

HeRAMS Ukraine Operational status of primary healthcare health service delivery units in conflict affected oblasts

February-May 2023



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While the deployment of HeRAMS remains ongoing and data verification and validation continue, the analysis presented here is not final and has been produced solely to inform operations.

Caution must be taken when interpreting the results presented in this report. Differences between information products published by WHO, national public health authorities, and other sources using different inclusion criteria and different data cut-off times are to be expected. While steps are taken to ensure accuracy and reliability, all data are subject to continuous verification and change.

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Executive Summary

The Health Resources and Services Availability Monitoring System (HeRAMS) was launched in Ukraine in November 2022. From November 2022 to January 2023 data on 1058 public health facilities (legal entities) in the 10 oblasts of Ukraine most affected by the war, including 481 health facilities with geographically diverse health service delivery units.

Due to the unstable security situation in Khersonska oblast, data collection was initially facilitated by a third-party monitoring group specializing in health assessments. However, following the baseline data collection, the Khersonska oblast health department took responsibility for updating the data and expanding the data collection.

By May 2023, data was collected for the remaining 13 oblasts and Kyiv city except for Luhanska oblast and Avtonomna Respublika Krym as well as areas of Donetska, Khersonska, and Zaporizka oblasts under the temporary military control of the Russian Federation. In total data from 2,333 public healthcare facilities was collected.

However, to ensure that the data would be used for humanitarian purposes, it was requested to collect data on health service delivery units, which are part of Primary Healthcare centers and other types of health facilities. The data was collected from February to May 2023 for 481 health facilities including 4031 health service delivery units, in the 10 most conflict-affected oblasts.

In this report presents data on 1471 health service delivery units in five affected oblasts: Kharkivska, Donetska, Dnipropetrovska, Zaporizka, and Khersonska oblasts was presented following the consultation with data users. The data is presented at oblast (region) and raion (district) level of granularity.

This report demonstrates selected indicators relevant to primary healthcare services delivery including building condition, functionality, partner support, basic amenities, general services, sexual and reproductive health services, and NCDs services.

Methodology

Since November 2022, the Health Resources and Services Availability Monitoring System (HeRAMS) has collected data from 2,333 healthcare facilities in all oblasts of Ukraine except for Luhanska oblast and Avtonomna Respublika Krym, including those along the frontline. However, data from the areas of Donetska, Khersonska, and Zaporizka oblasts that are under the temporary military control of the Russian Federation were excluded from analysis because no data were available. Private healthcare facilities were excluded from the data collection because they represent only a small fraction of the healthcare facilities across Ukraine. Instead, the data collection focused on public healthcare facilities.

Data collection for Round 1 began in November 2022 and ended in February 2023 in nine of Ukraine's most conflict-affected oblasts: Odeska, Mykolaivska, Zaporizka, Kharkivska, Donetska, Sumska, Chernihivska, Kyivska, and Dnipropetrovska. In all oblasts except Khersonska, subnational focal points nominated by the oblasts' health departments were engaged in data collection. These focal points attended a two-day in-person training workshop to ensure familiarity with the questionnaire and ensure a common understanding of key concepts such as accessibility and functionality of a healthcare facility.

Due to the unstable security situation in Khersonska oblast, a third-party monitoring group specialized in health assessments facilitated data collection. However, following the baseline data collection, the Khersonska oblast health department took over responsibility for updating and expanding the data collection.

Data collection for the health service delivery units of primary healthcare centers in all oblasts included in Round 1 began on March 8, 2023. Data was collected on 4031 health service delivery units belonging to 481 health facilities (legal entities).

The questionnaire and training materials were adapted to the local context and translated into Ukrainian. All healthcare facilities included in the master healthcare facility list provided by the National Health Service of Ukraine were contacted. The overall response rate at the end of Round 1 was over 99%, and 100% for health service delivery units. The most recent data update for Round 1 was centrally initiated in mid-April.

Basic cleaning and logic checks were performed on the raw data to meet quality standards. Additional quality assurance was piloted through a third-party, which conducting on-site data verification of 70 healthcare facilities (including 332 health service delivery units presented in this report) located within a 10 to 50 kilometers zone from either the state border or the frontline in Donetska, Kharkivska, and Zaporizka oblasts. The data in the HeRAMS platform varied only in 6.37% of cases from the observations of the monitoring group. Half of these variations were due to changes in context and situation.

Conclusion

Building and equipment damage: Overall, 4% of health service delivery units in Kharkivska, Donetsk, Dnipropetrovska, Zaporizka, and Khersonska oblasts were completely damaged. The most affected oblasts were Donetsk, Kharkivska, and Khersonska, mainly due to armed conflict. Most health service delivery units reporting damages are located along the frontline or in regained territories.

Functionality: Despite damage to healthcare facilities, regained areas had the lowest functionality indicators. The primary cause of inaccessibility was damage to health facilities and lack of security. However, 34% of health facilities with limited functionality also reported lack of staff.

Partner support: Only 30% of health service delivery units that are partially operational reported receiving partner support. Out of 402 health service delivery units receiving partner support, 92% received medical supplies, and 53% received medical equipment. Other modalities, including the provision of training, operational costs, oversight, and staff personnel were reported in only 2% to 12% of instances.

Availability of energy supply, cold chain, water supply: the availability of energy supply, cold chain, and water supply was reported by at least 80% of health service delivery units that were at least partially operational. They are receiving primarily from the public network, making healthcare facilities dependent on their operation. Since the data were collected as of May 2023, they may not fully reflect the availability of safe water supply, which changed dramatically after the explosion on Nova Kakhovka dam in early June 2023, resulting in shallow water reservoir in Dnipropetrovska and Zaporizka oblasts, and flooding in Khersonska oblast.

Basic emergency care: Only 58% of health service delivery units reported the availability of basic emergency care. Only 53 health service delivery units reported impediments to this service delivery, including a lack of medical equipment in 47% of cases, a lack of personnel in 40% of cases, a lack of medical supplies in 38% of cases, a lack of training in 23% of cases, and a lack of financial resources in 6% of cases.

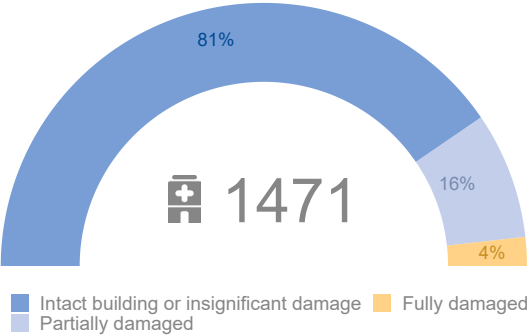
Outpatient services of primary medical care: Although the availability of outpatient services is quite high, 8% of health service delivery units lack complete access to these services, according to the data. The primary obstacle was lack of personnel and equipment.

Noncommunicable Diseases (NCDs): Despite the widespread availability of services, only 77 % of health service delivery units reported full availability. The barriers to service delivery reported were lack of medical supplies (51%) and personnel (34%). The services for diagnostics, treatment and clinical follow-up of hypertension were reported to be fully available in 93% of health service delivery units. The impediments to care, primarily lack of personnel, were mainly reported in health service delivery units located along the frontline or in regained territories.

Sexual Violence: The availability of clinical management of rape survivors, including first psychological aid, emergency contraception, and post-contact prevention, was reported to be extremely limited at the primary healthcare level, regardless of the oblast. Only 19% of health service delivery units offer these services. Common barriers cited for these services were lack of personnel and training, whereas the primary barrier for post-contact prevention was lack of medical supplies (in 100% of health facilities reporting limited services availability).

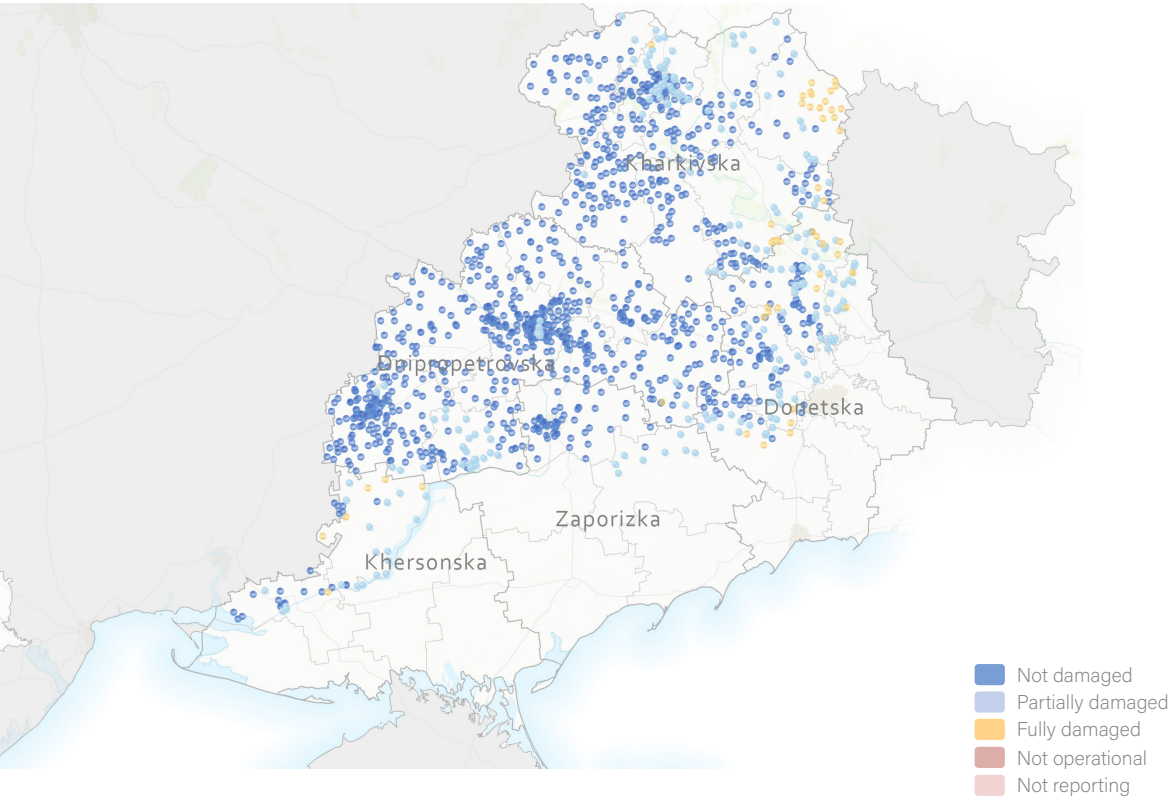
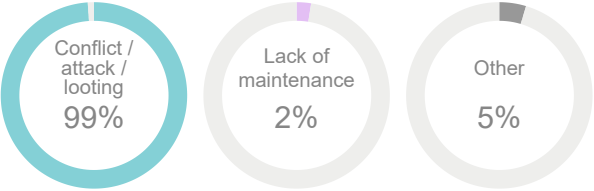
BUILDING CONDITION

Building condition overview



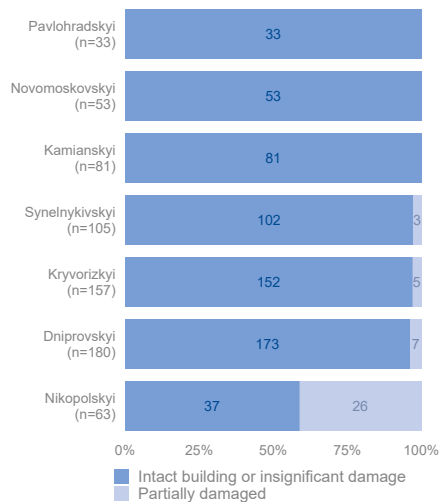
Main causes of damage

(n = 281)

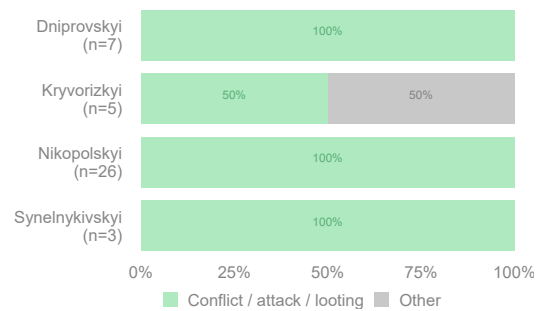


BUILDING CONDITION

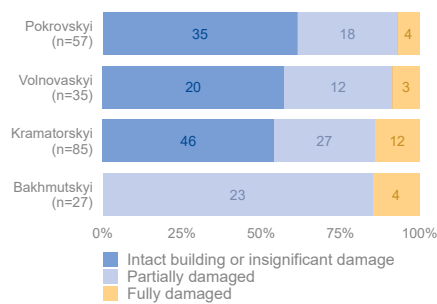
Building condition raion, Dnipropetrovska oblast*



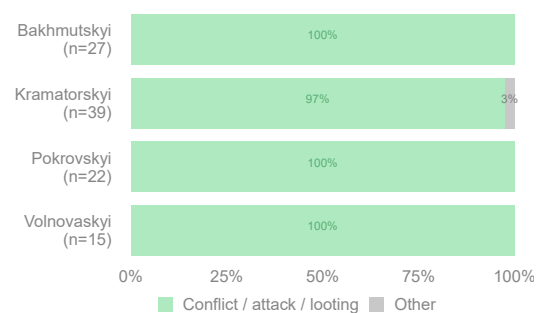
Main causes of damage by raion, Dnipropetrovska oblast



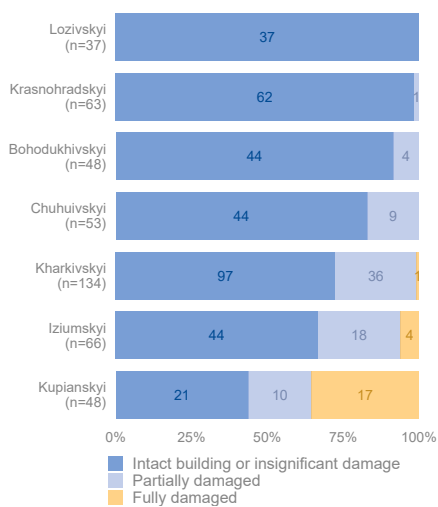
Building condition raion, Donetsk oblast*



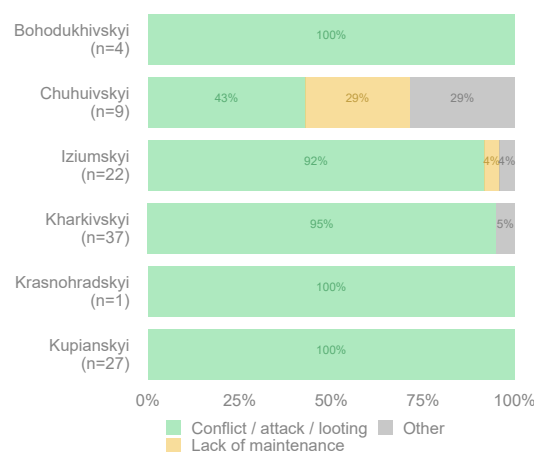
Main causes of damage by raion, Donetsk oblast



Building condition raion, Kharkivska oblast*



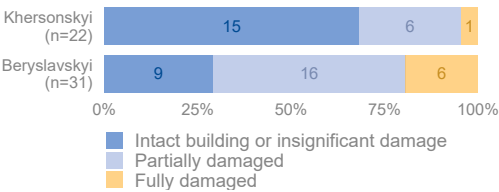
Main causes of damage by raion, Kharkivska oblast



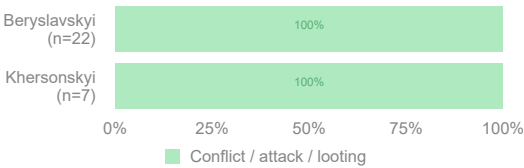
* Chart excludes health facilities where the service is not normally provided.

BUILDING CONDITION

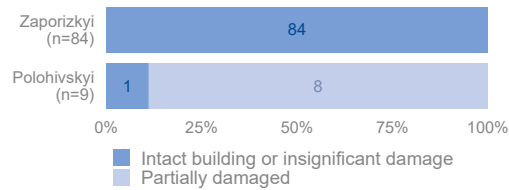
Building condition raion, Khersonska oblast*



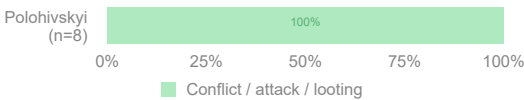
Main causes of damage by raion, Khersonska oblast



Building condition raion, Zaporizka oblast*



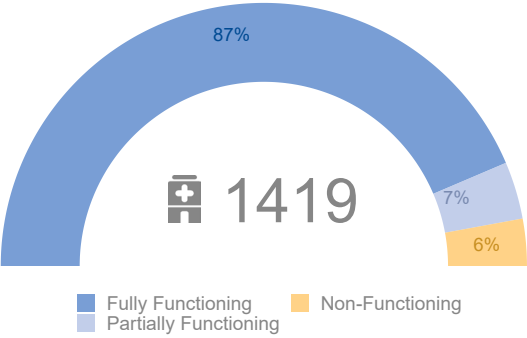
Main causes of damage by raion, Zaporizka oblast



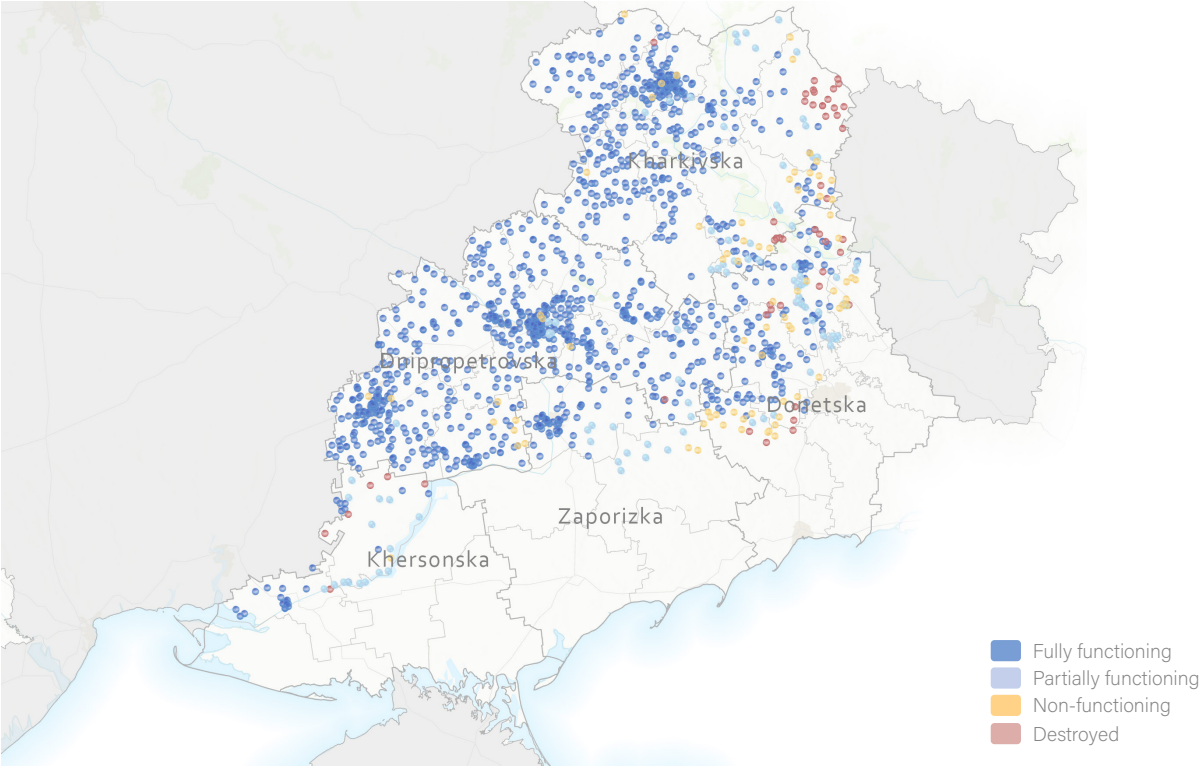
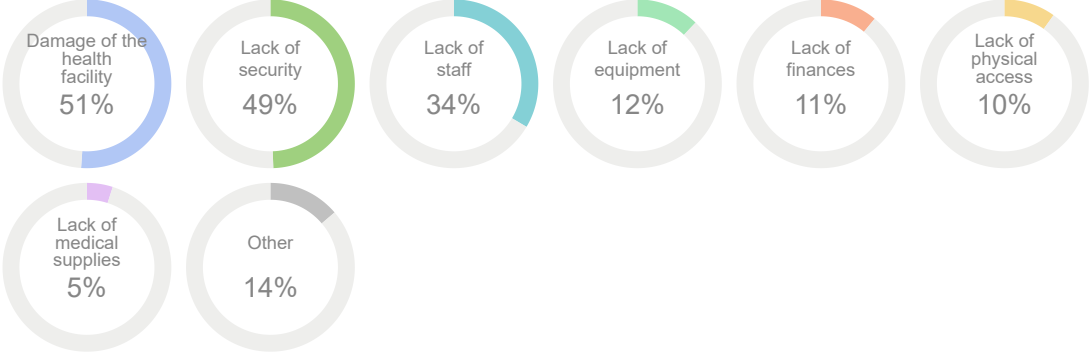
*Chart excludes health facilities where the service is not normally provided.

FUNCTIONALITY

Functionality overview

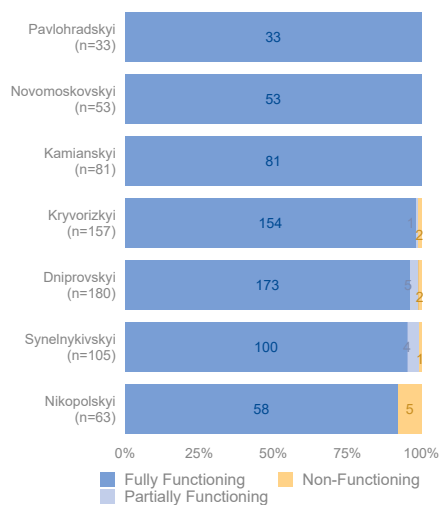


Main causes of non-functionality (n = 182)

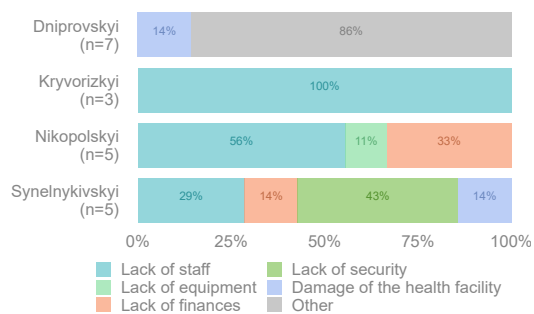


FUNCTIONALITY

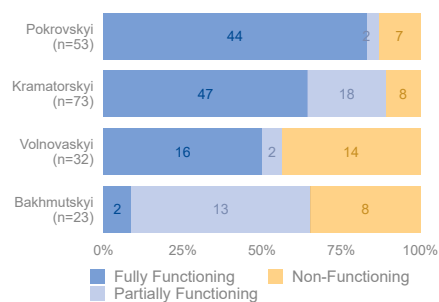
Functionality by raion, Dnipropetrovska oblast*



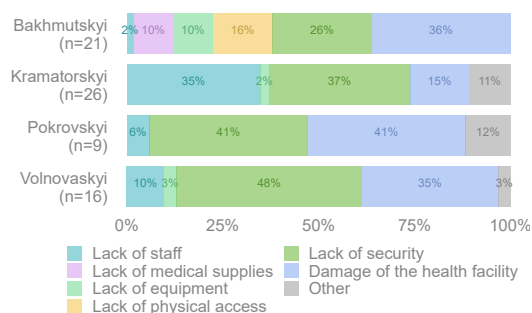
Main causes of non-functionality by raion, Dnipropetrovska oblast



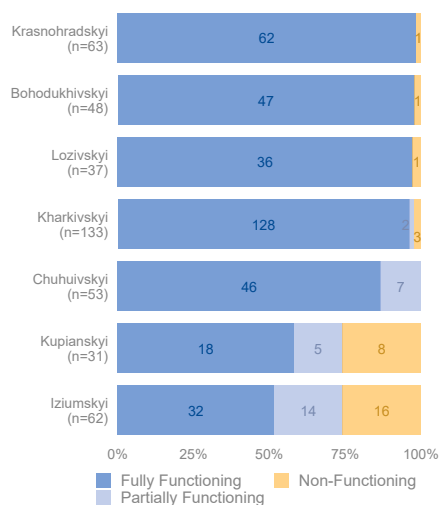
Functionality by raion, Donetsk oblast*



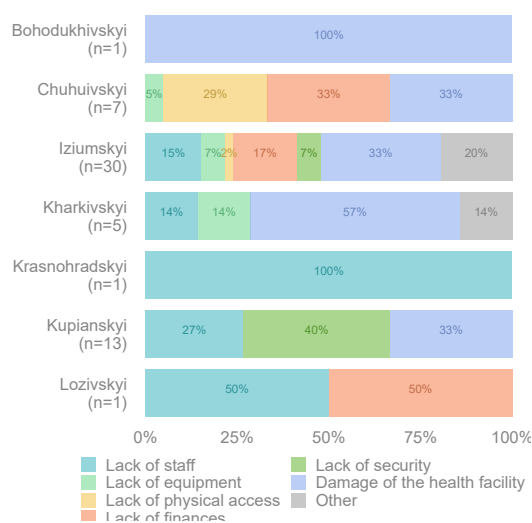
Main causes of non-functionality by raion, Donetsk oblast



Functionality by raion, Kharkivska oblast*



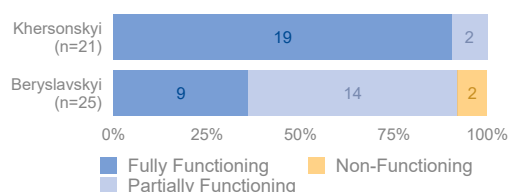
Main causes of non-functionality by raion, Kharkivska



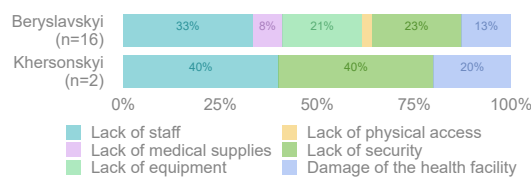
* Chart excludes health facilities where the service is not normally provided.

FUNCTIONALITY

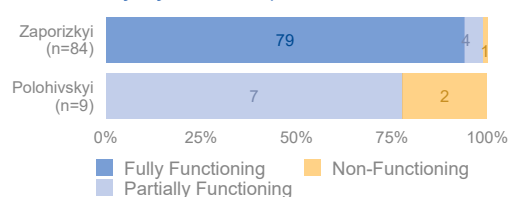
Functionality by raion, Khersonska oblast*



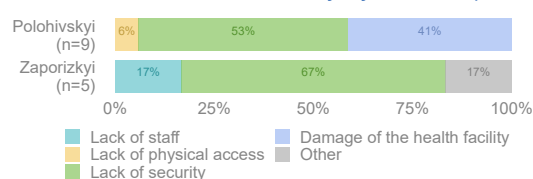
Main causes of non-functionality by raion, Khersonska oblast



Functionality by raion, Zaporizka oblast*



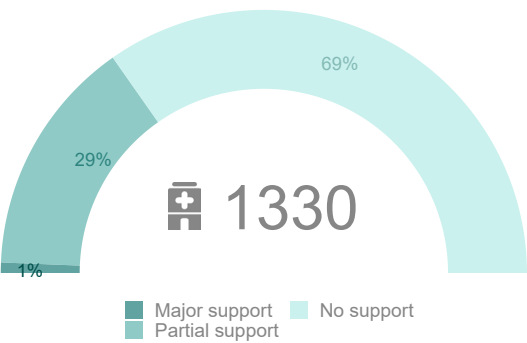
Main causes of non-functionality by raion, Zaporizka oblast



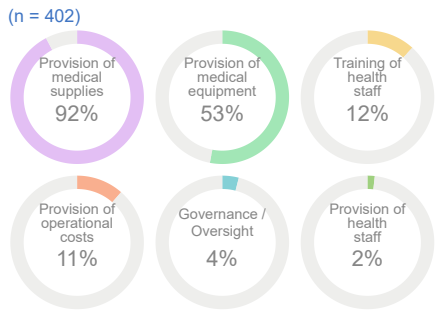
*Chart excludes health facilities where the service is not normally provided.

PARTNER SUPPORT

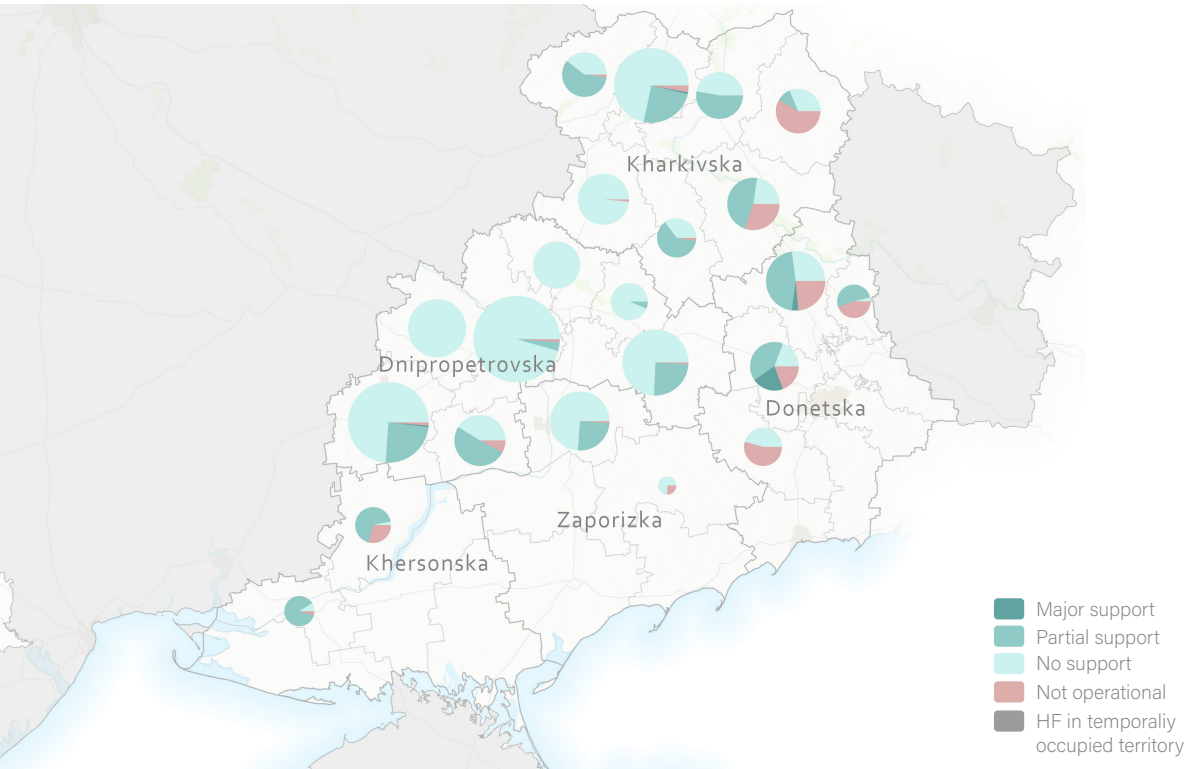
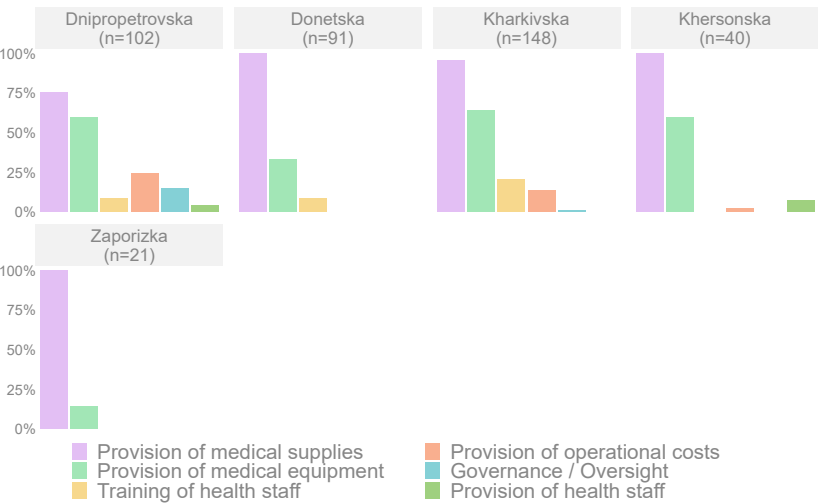
Partner support overview



Type of support

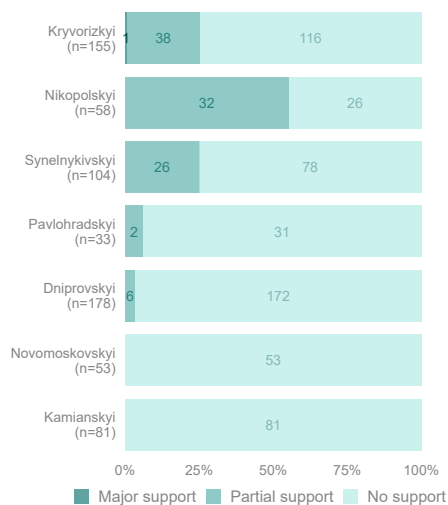


Type of support by oblast

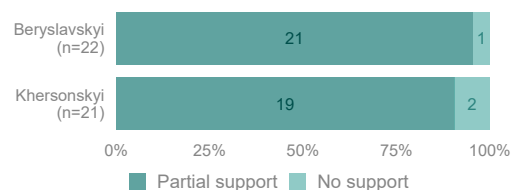


PARTNER SUPPORT

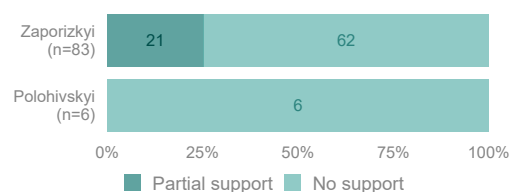
Support by raion, Dnipropetrovska oblast*



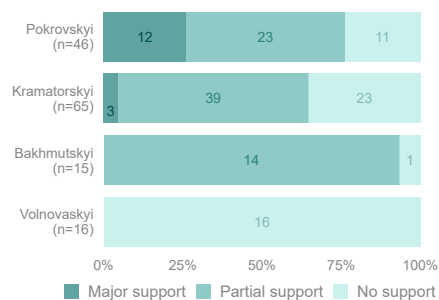
Support by raion, Khersonska oblast*



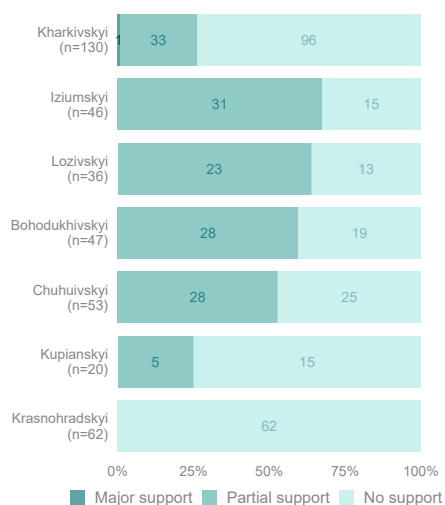
Support by raion, Zaporizka oblast*



Support by raion, Donetsk oblast*



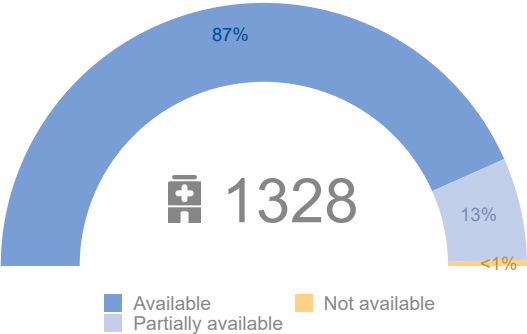
Support by raion, Kharkivska oblast*



* Chart excludes health facilities where the service is not normally provided.

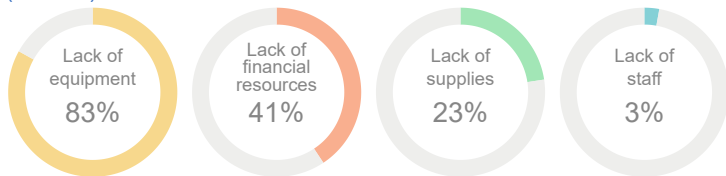
WATER

Water overview



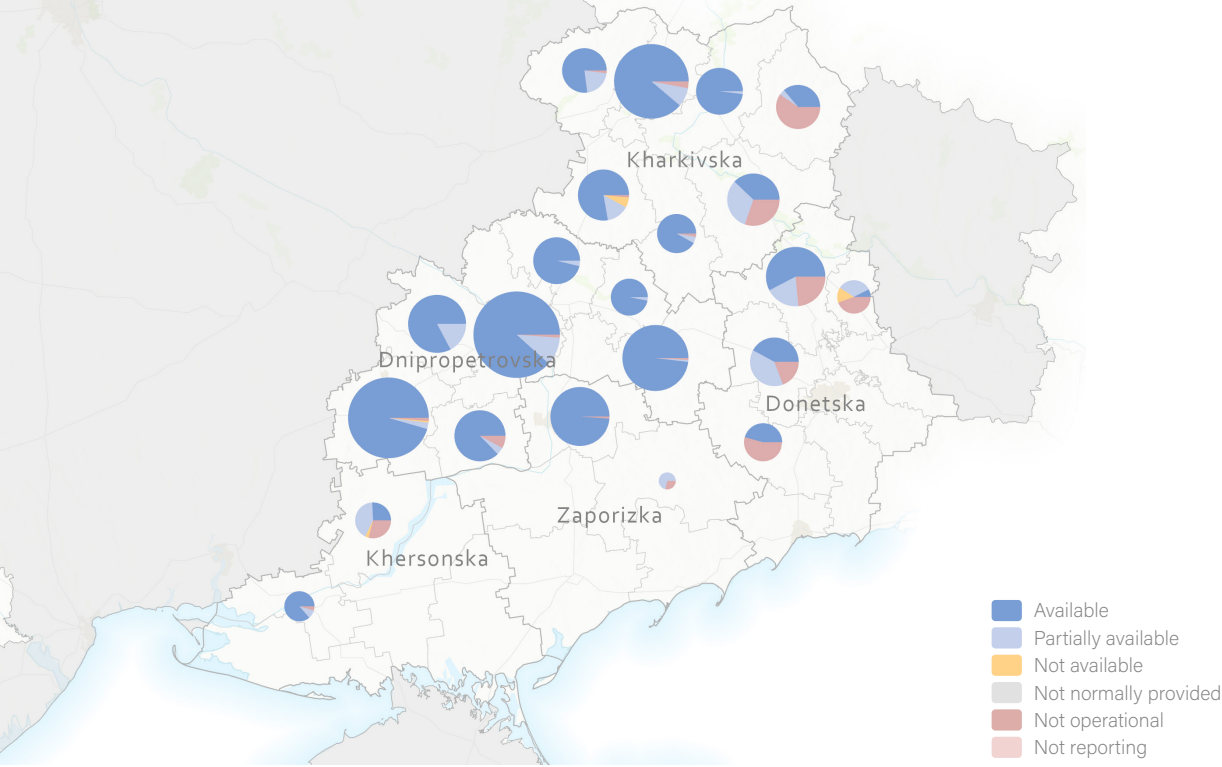
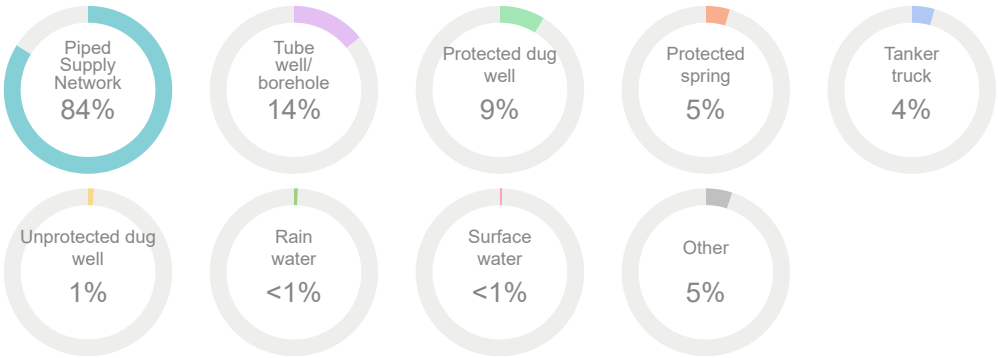
Main causes of unavailability

(n = 177)



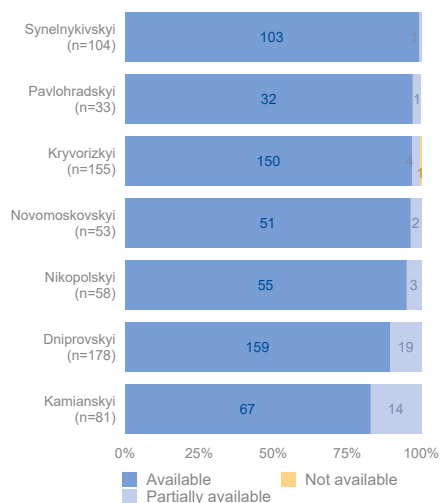
Main sources of water

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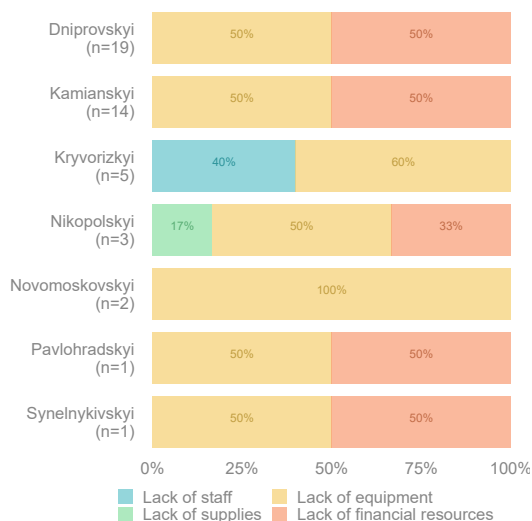


WATER

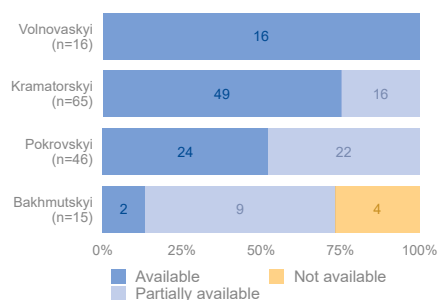
Availability by raion, Dnipropetrovska oblast*



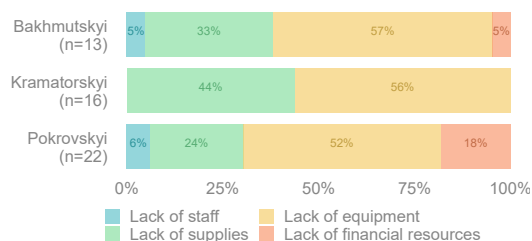
Main causes of unavailability by raion, Dnipropetrovska oblast



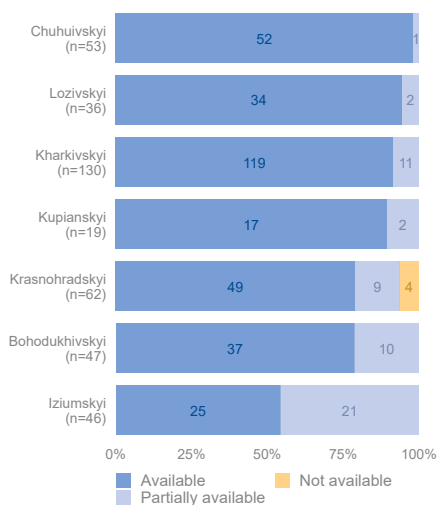
Availability by raion, Donetsk oblast*



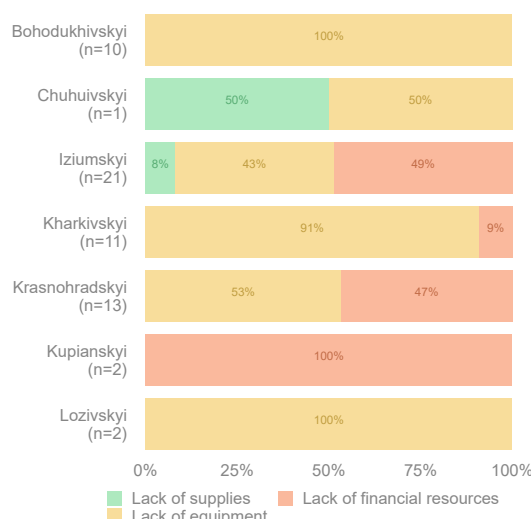
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Availability by raion, Kharkivska oblast*



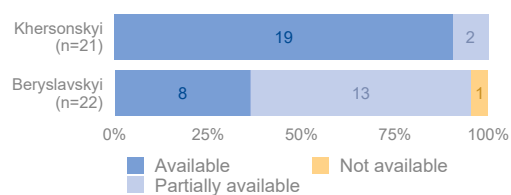
Main causes of unavailability by raion, Kharkivska oblast



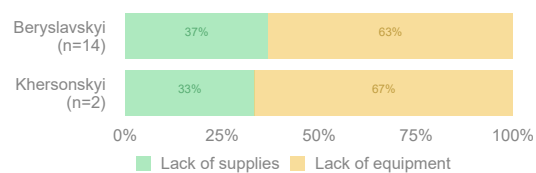
* Chart excludes health facilities where the service is not normally provided.

WATER

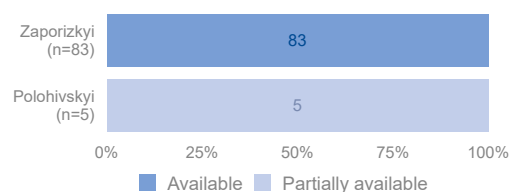
Availability by raion, Khersonska oblast*



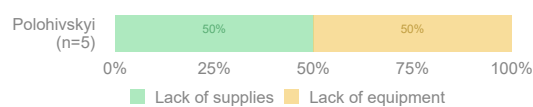
Main causes of unavailability by raion, Khersonska oblast



Availability by raion, Zaporizka oblast*



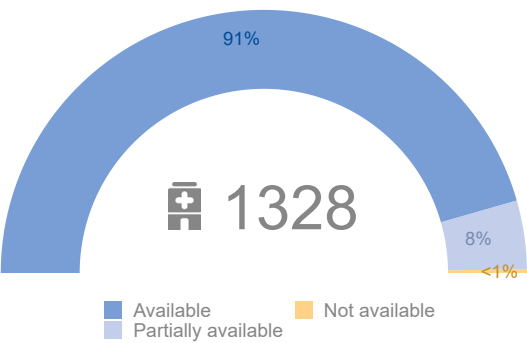
Main causes of unavailability by raion, Zaporizka oblast



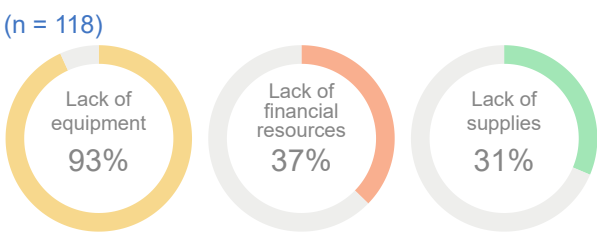
*Chart excludes health facilities where the service is not normally provided.

POWER

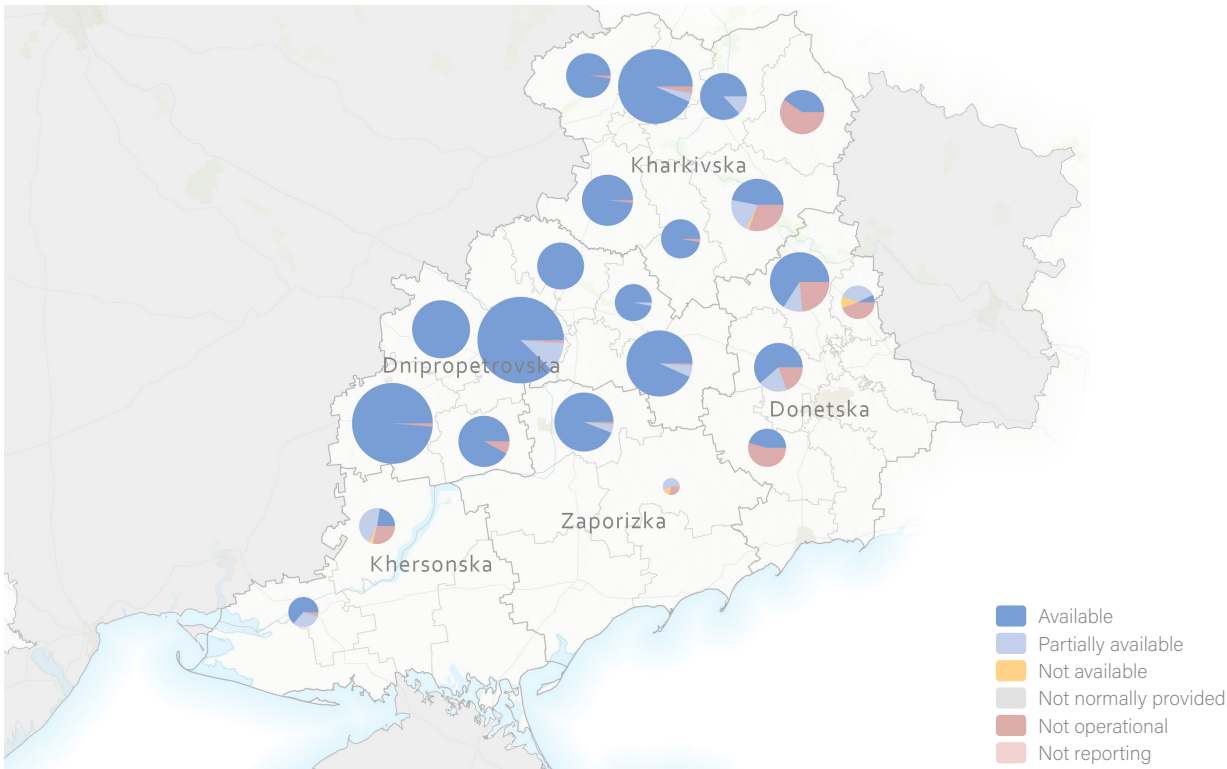
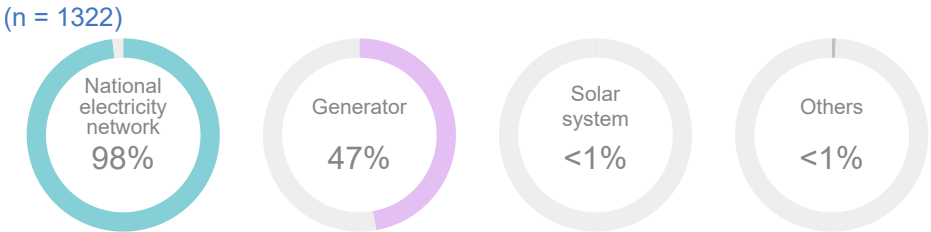
Power overview



Main causes of unavailability

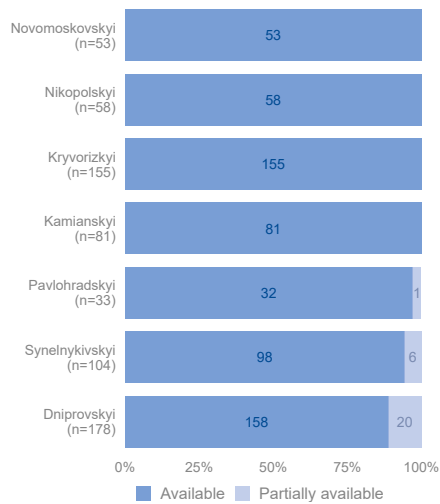


Main power sources

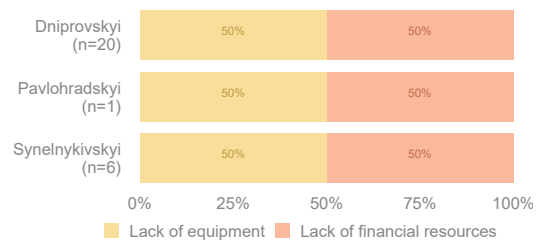


POWER

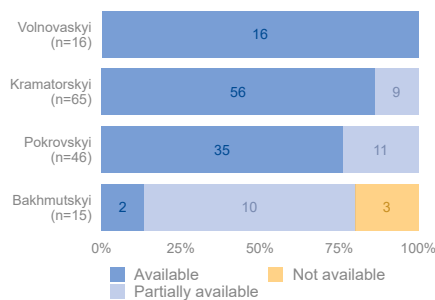
Availability by raion, Dnipropetrovska oblast*



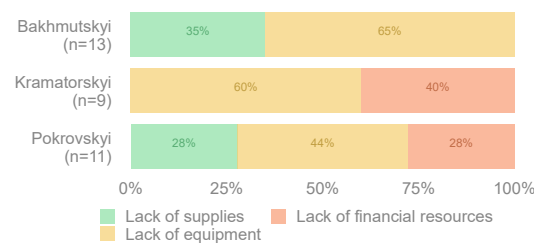
Main causes of unavailability by raion, Dnipropetrovska oblast



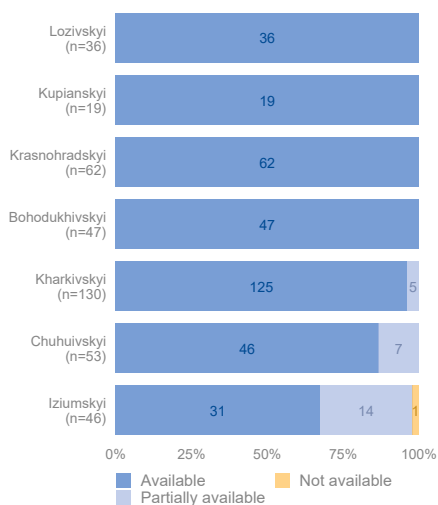
Availability by raion, Donetsk oblast*



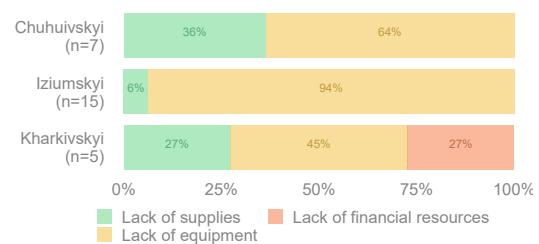
Main causes of unavailability by raion, Donetsk oblast



Availability by raion, Kharkivska oblast*



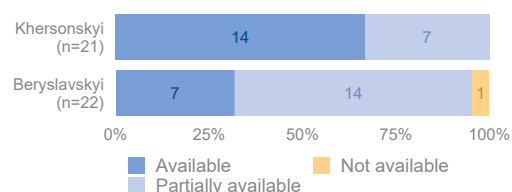
Main causes of unavailability by raion, Kharkivska oblast



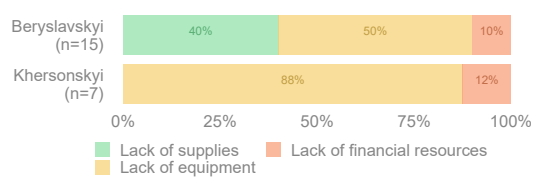
* Chart excludes health facilities where the service is not normally provided.

POWER

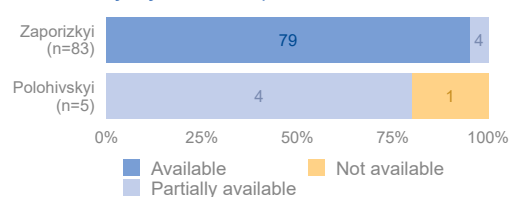
Availability by raion, Khersonska oblast*



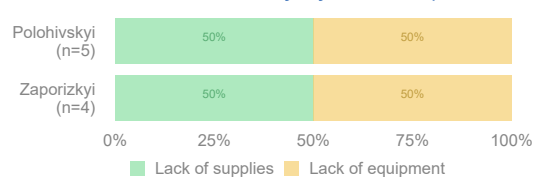
Main causes of unavailability by raion, Khersonska oblast



Availability by raion, Zaporizka oblast*



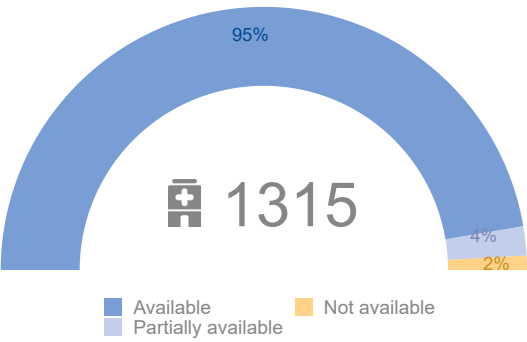
Main causes of unavailability by raion, Zaporizka oblast



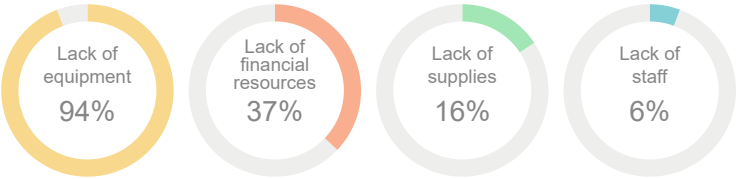
*Chart excludes health facilities where the service is not normally provided.

COLD CHAIN

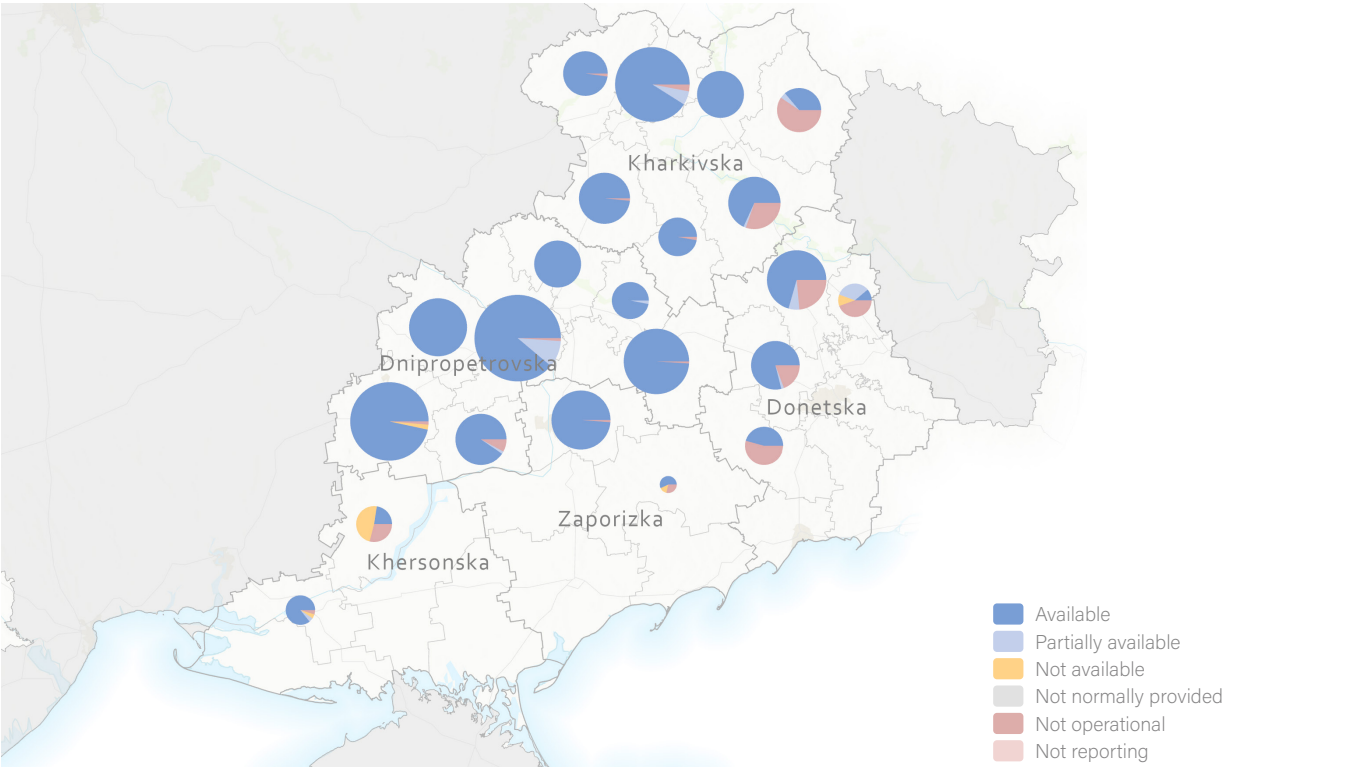
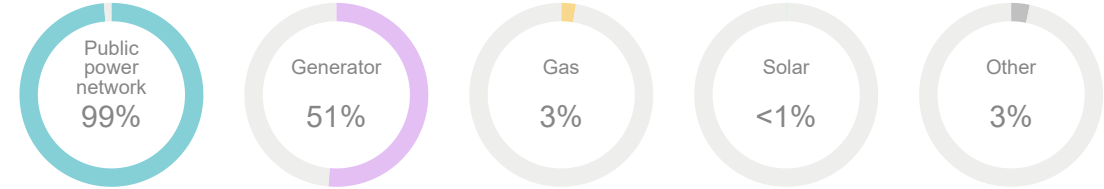
Cold chain overview



Main causes of unavailability
(n = 70)

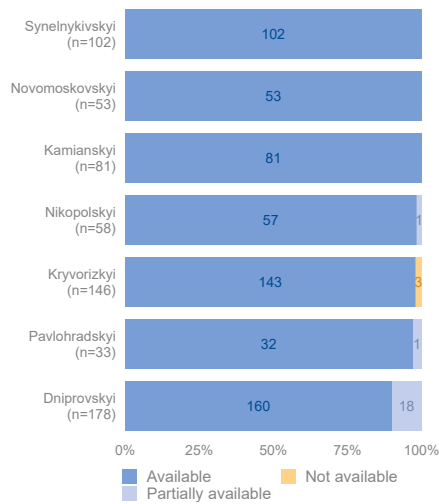


Main power sources
(n = 1292)

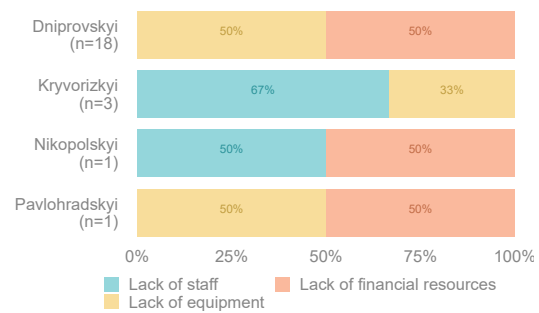


COLD CHAIN

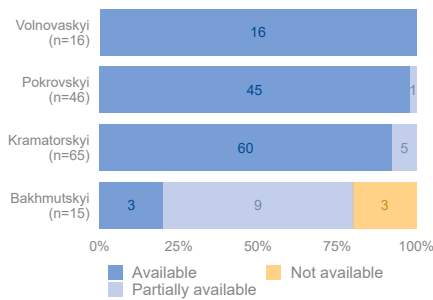
Availability by raion, Dnipropetrovska oblast*



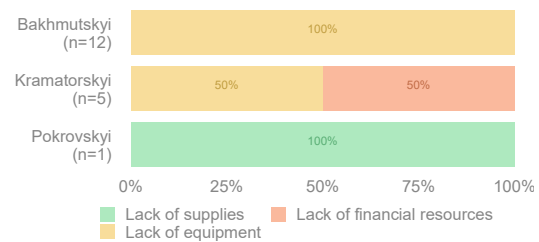
Main causes of unavailability by raion, Dnipropetrovska oblast



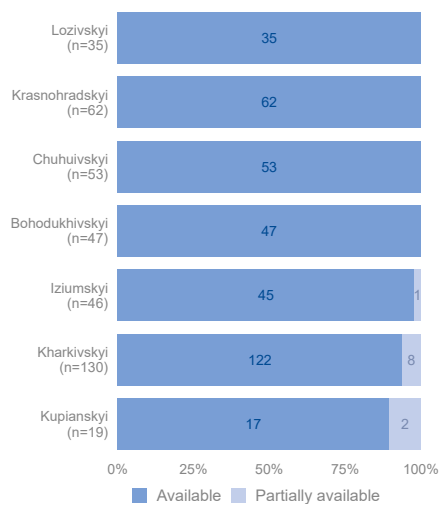
Availability by raion, Donetsk oblast*



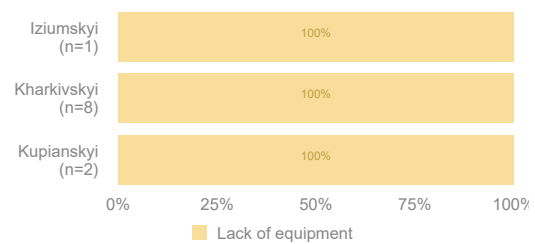
Main causes of unavailability by raion, Donetsk oblast



Availability by raion, Kharkivska oblast*



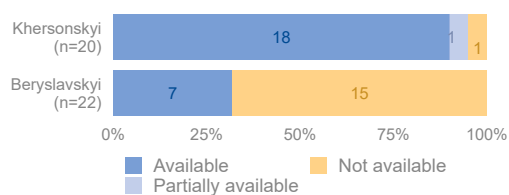
Main causes of unavailability by raion, Kharkivska oblast



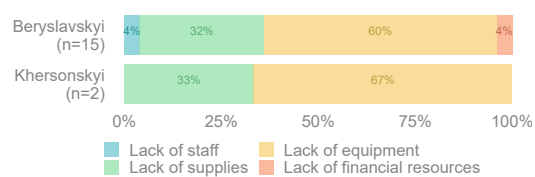
* Chart excludes health facilities where the service is not normally provided.

COLD CHAIN

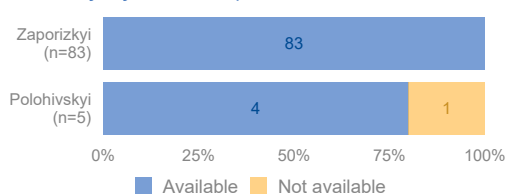
Availability by raion, Khersonska oblast*



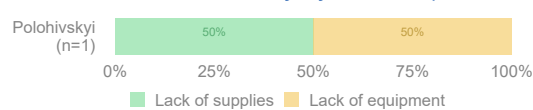
Main causes of unavailability by raion, Khersonska oblast



Availability by raion, Zaporizka oblast*



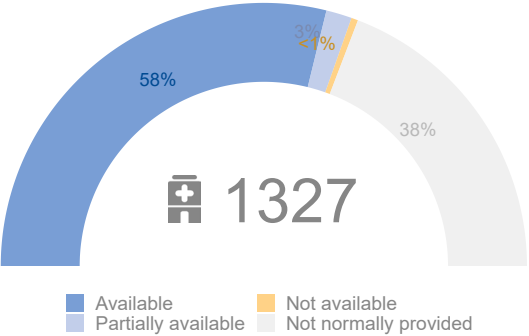
Main causes of unavailability by raion, Zaporizka oblast



*Chart excludes health facilities where the service is not normally provided.

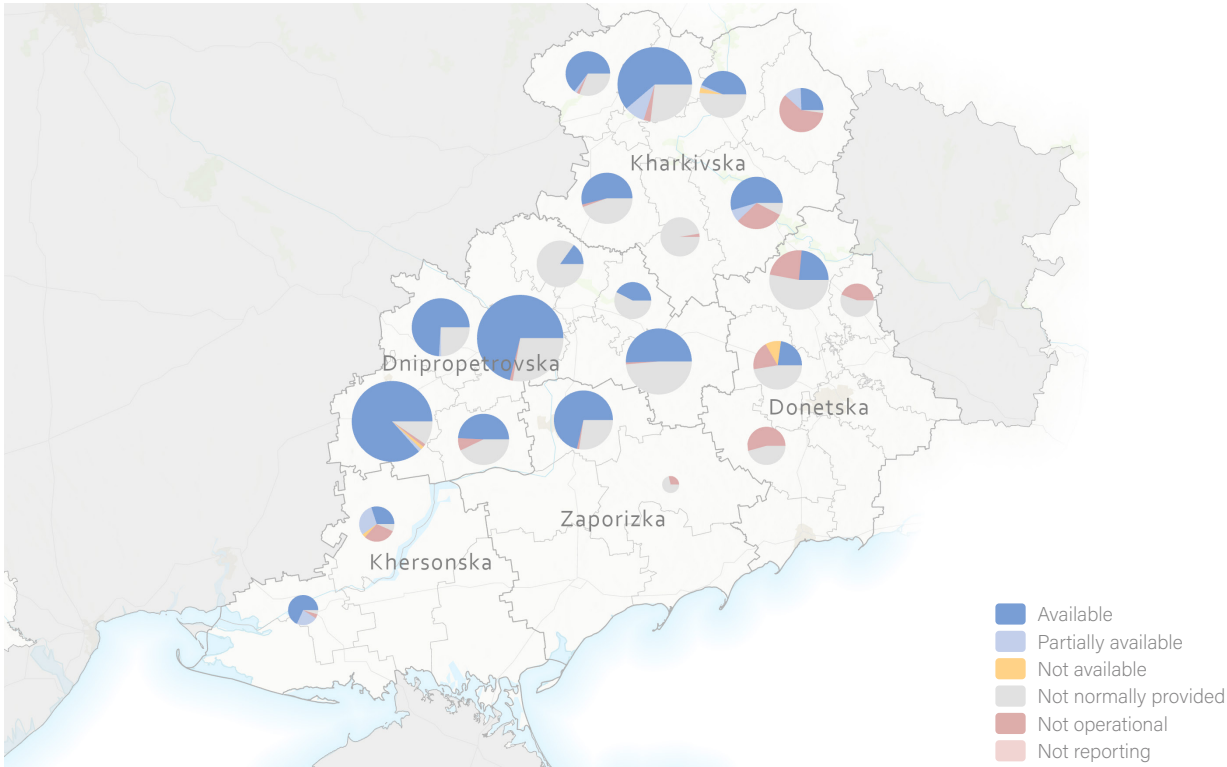
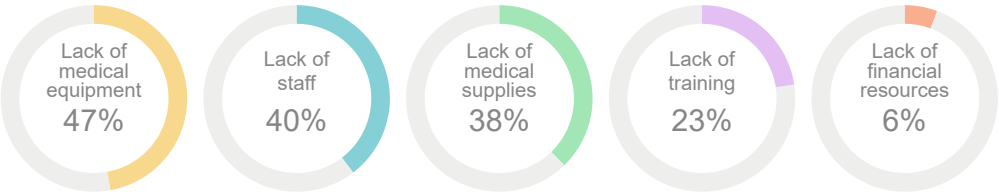
BASIC EMERGENCY CARE

Service availability



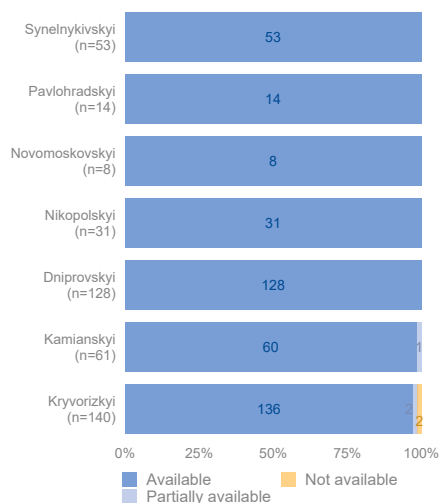
Main barriers

(n = 53)

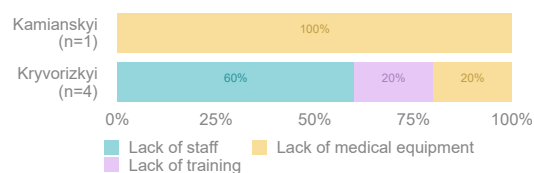


BASIC EMERGENCY CARE

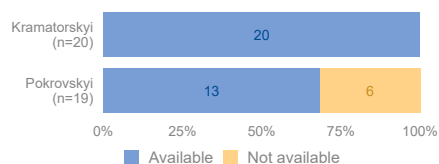
Service Availability by raion, Dnipropetrovska oblast*



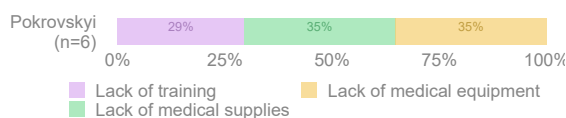
Main barriers by raion, Dnipropetrovska oblast



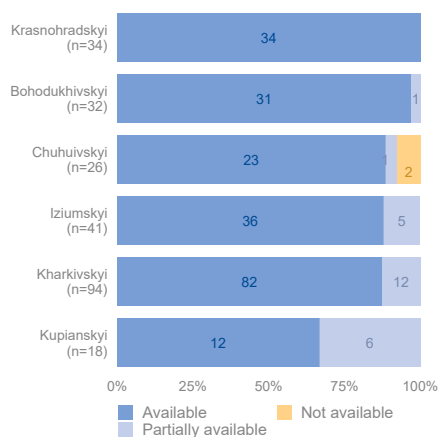
Service Availability by raion, Donetsk oblast*



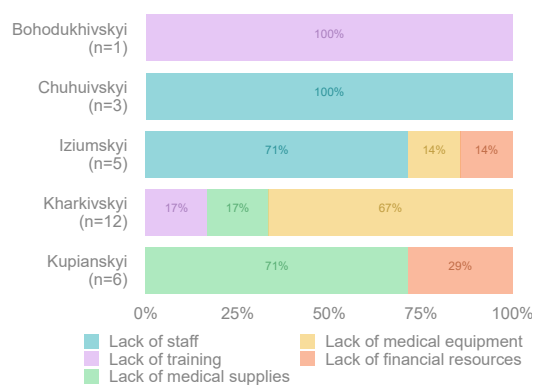
Main barriers by raion, Donetsk oblast



Service Availability by raion, Kharkivska oblast*



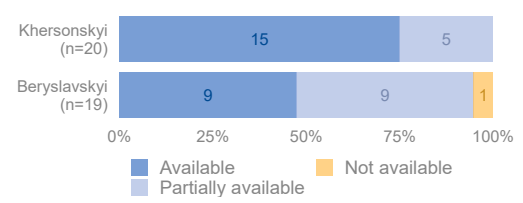
Main barriers by raion, Kharkivska oblast



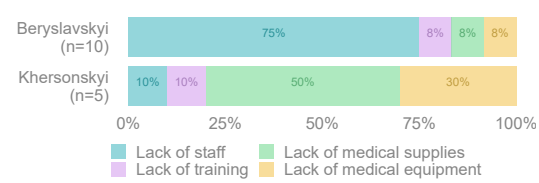
* Chart excludes health facilities where the service is not normally provided.

BASIC EMERGENCY CARE

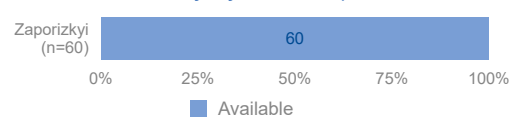
Service Availability by raion, Khersonska oblast*



Main barriers by raion, Khersonska oblast



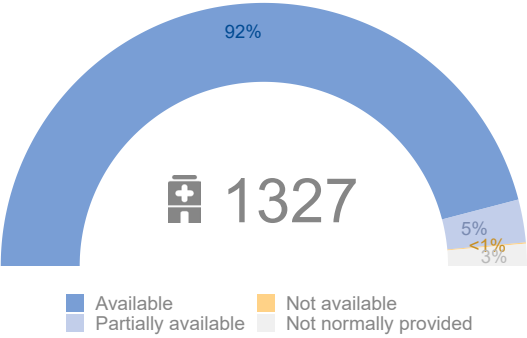
Service Availability by raion, Zaporizka oblast*



*Chart excludes health facilities where the service is not normally provided.

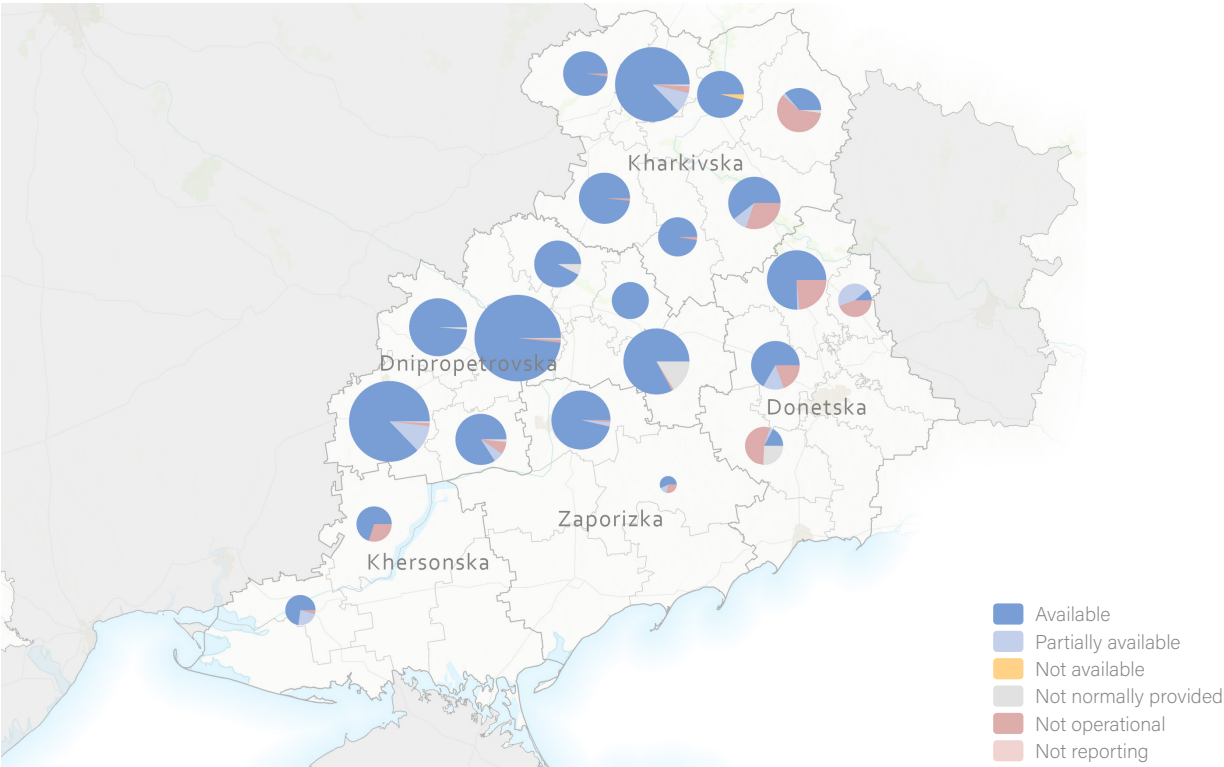
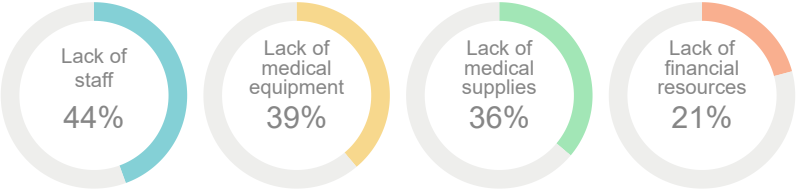
OUTPATIENT SERVICES FOR PRIMARY CARE

Service availability



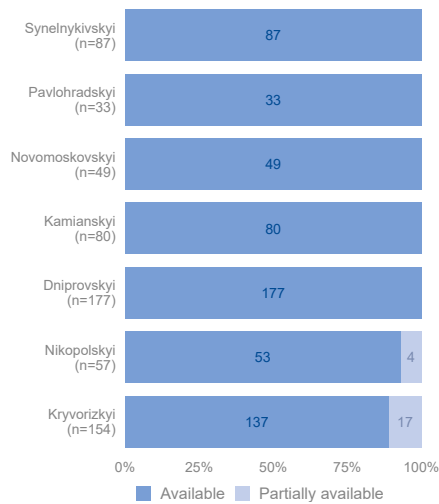
Main barriers

(n = 72)

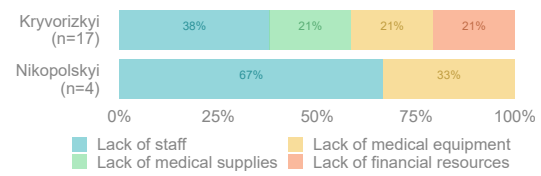


OUTPATIENT SERVICES FOR PRIMARY CARE

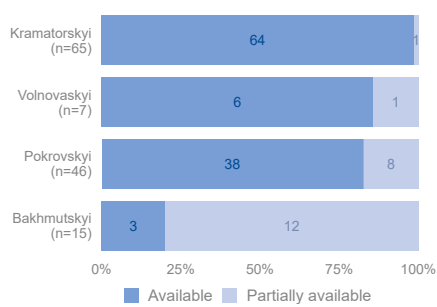
Service Availability by raion, Dnipropetrovska oblast*



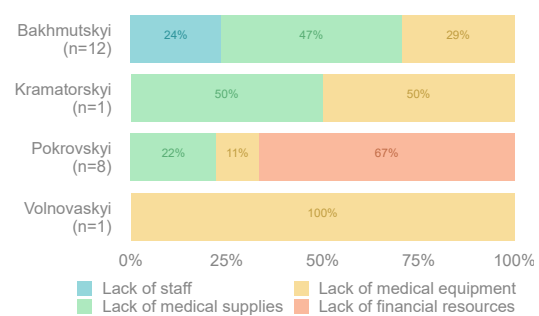
Main barriers by raion, Dnipropetrovska oblast



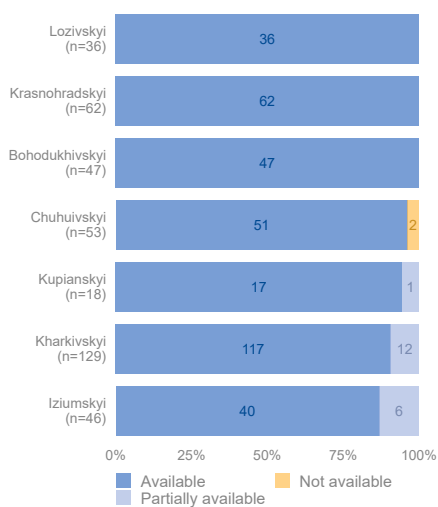
Service Availability by raion, Donetsk oblast*



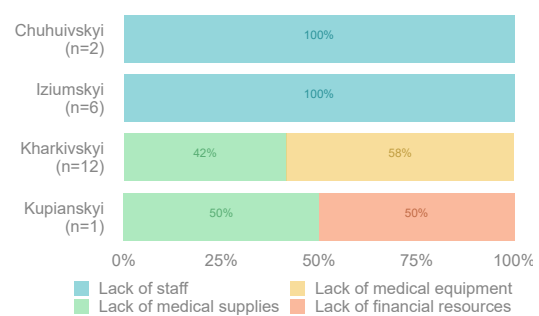
Main barriers by raion, Donetsk oblast



Service Availability by raion, Kharkivska oblast*



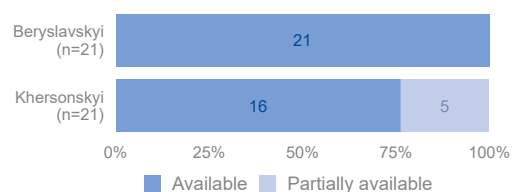
Main barriers by raion, Kharkivska oblast



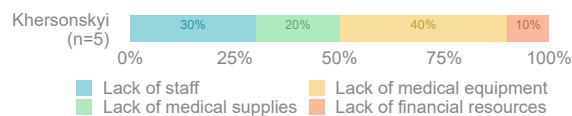
* Chart excludes health facilities where the service is not normally provided.

OUTPATIENT SERVICES FOR PRIMARY CARE

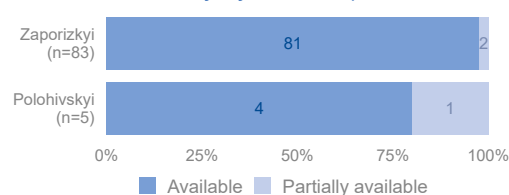
Service Availability by raion, Khersonska oblast*



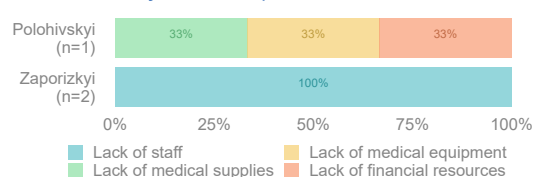
Main barriers by raion, Khersonska oblast



Service Availability by raion, Zaporizka oblast*



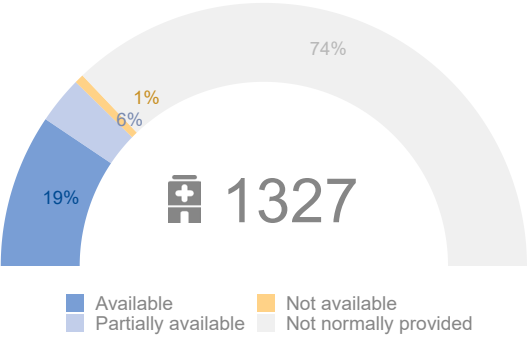
Main barriers by raion, Zaporizka oblast



*Chart excludes health facilities where the service is not normally provided.

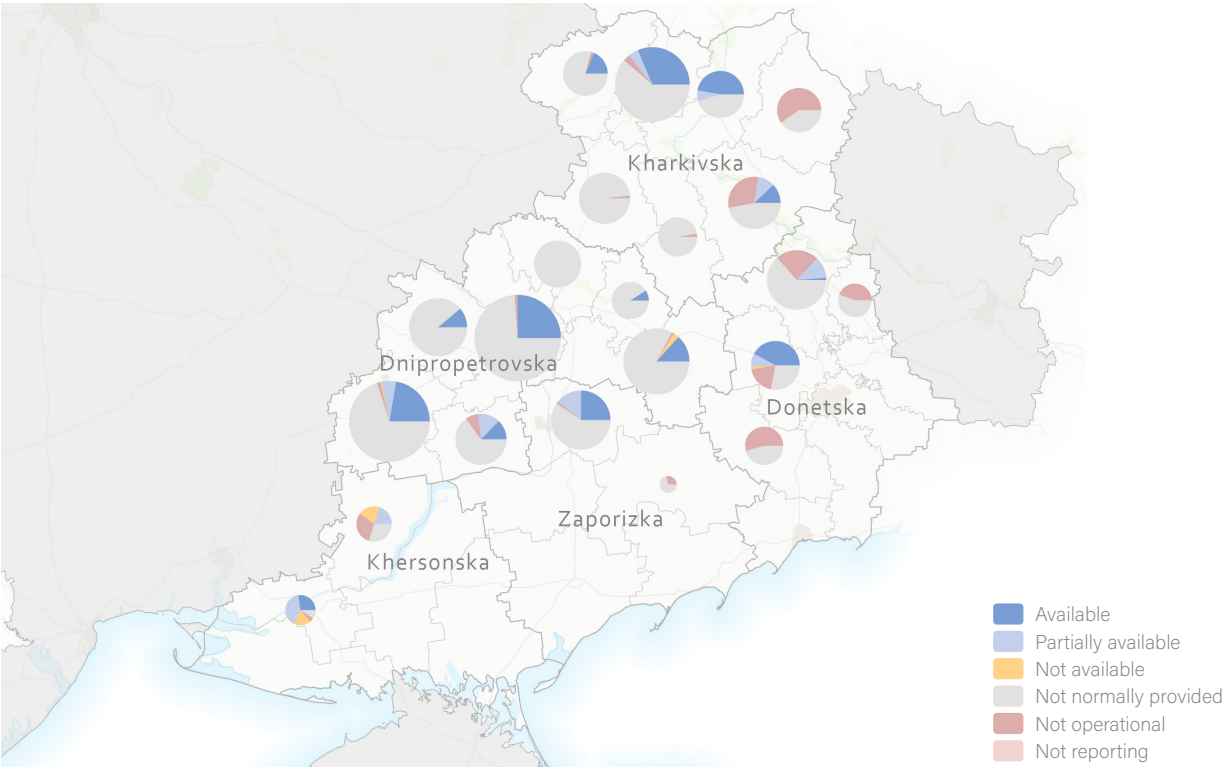
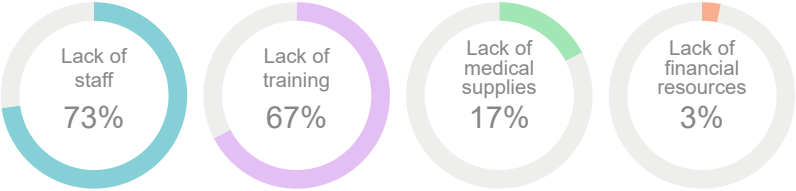
CLINICAL MANAGEMENT OF RAPE SURVIVORS

Service availability



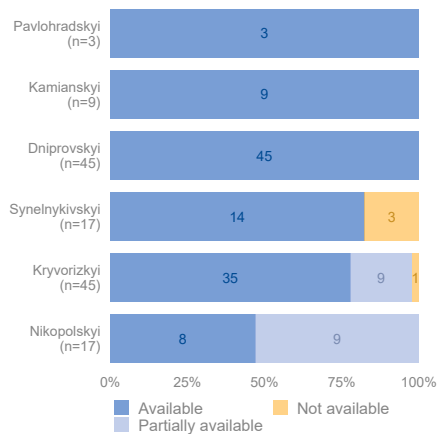
Main barriers

(n = 92)

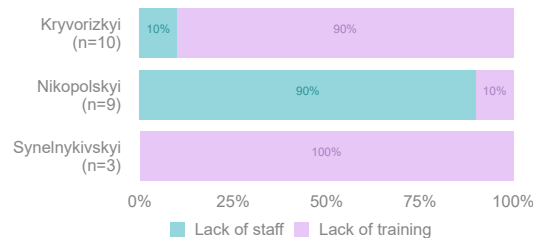


CLINICAL MANAGEMENT OF RAPE SURVIVORS

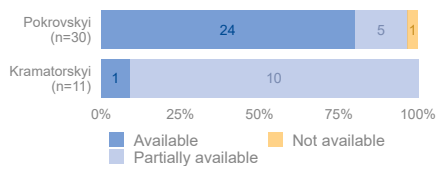
Service Availability by raion, Dnipropetrovska oblast*



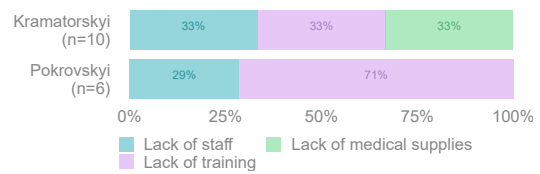
Main barriers by raion, Dnipropetrovska oblast



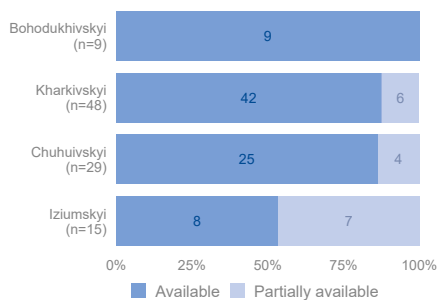
Service Availability by raion, Donetsk oblast*



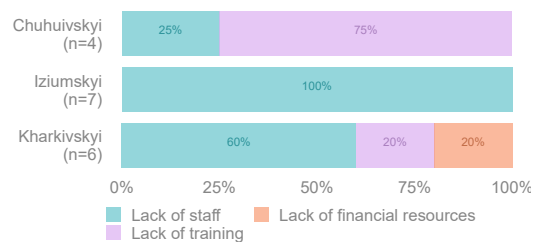
Main barriers by raion, Donetsk oblast



Service Availability by raion, Kharkivska oblast*



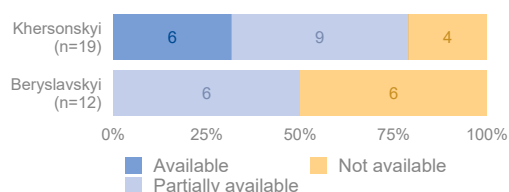
Main barriers by raion, Kharkivska oblast



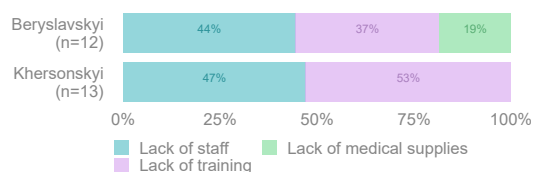
* Chart excludes health facilities where the service is not normally provided.

CLINICAL MANAGEMENT OF RAPE SURVIVORS

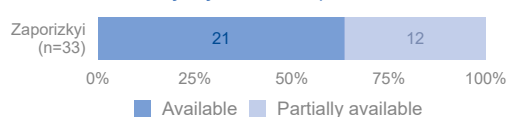
Service Availability by raion, Khersonska oblast*



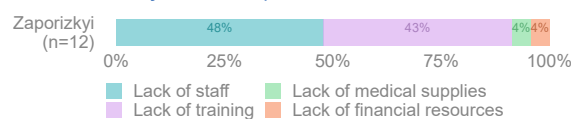
Main barriers by raion, Khersonska oblast



Service Availability by raion, Zaporizka oblast*



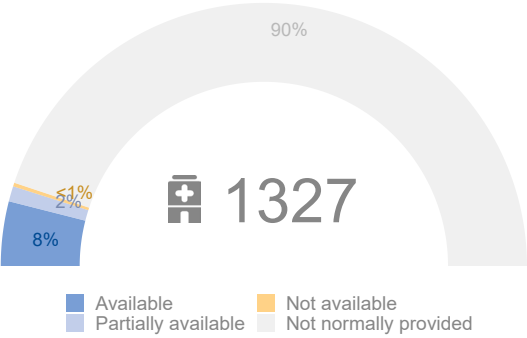
Main barriers by raion, Zaporizka oblast



*Chart excludes health facilities where the service is not normally provided.

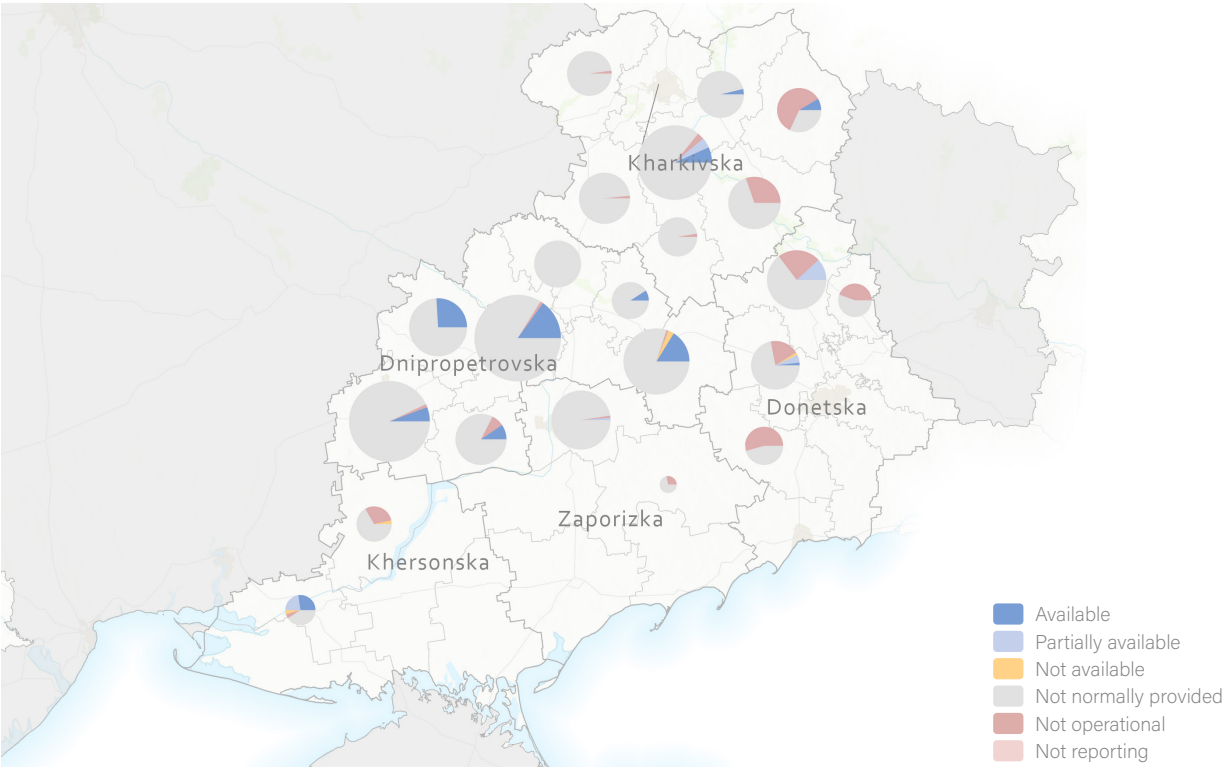
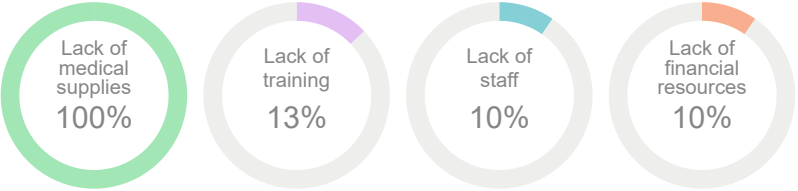
POST-EXPOSURE PROPHYLAXIS

Service availability



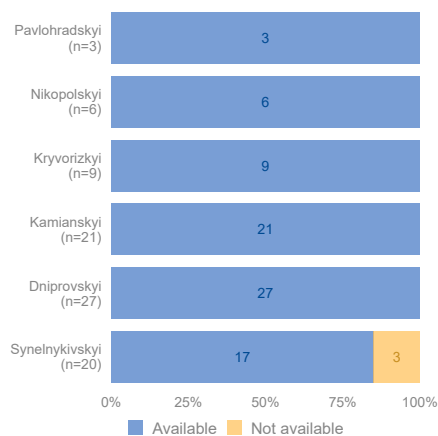
Main barriers

(n = 31)

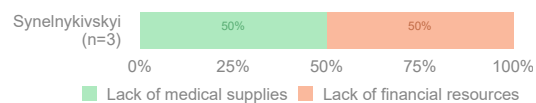


POST-EXPOSURE PROPHYLAXIS

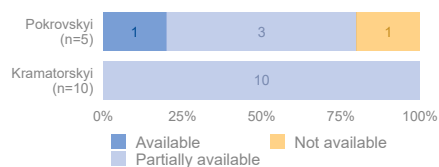
Service Availability by raion, Dnipropetrovska oblast*



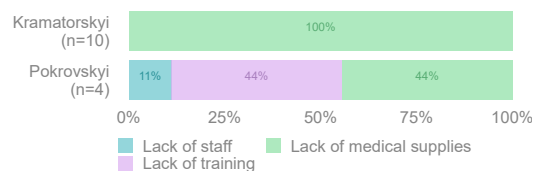
Main barriers by raion, Dnipropetrovska oblast



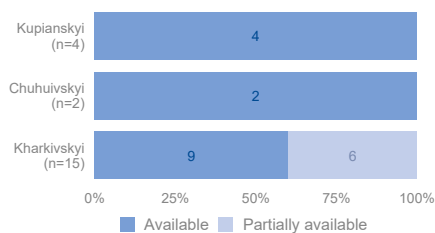
Service Availability by raion, Donetsk oblast*



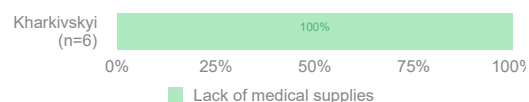
Main barriers by raion, Donetsk oblast



Service Availability by raion, Kharkivska oblast*



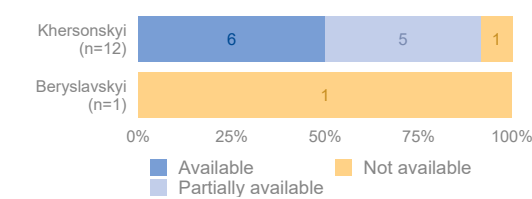
Main barriers by raion, Kharkivska oblast



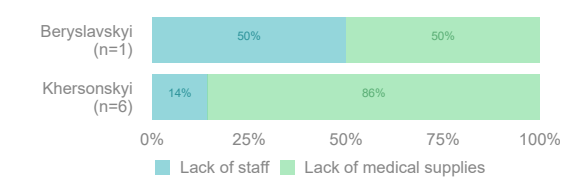
* Chart excludes health facilities where the service is not normally provided.

POST-EXPOSURE PROPHYLAXIS

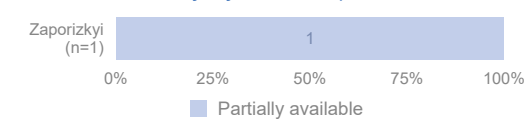
Service Availability by raion, Khersonska oblast*



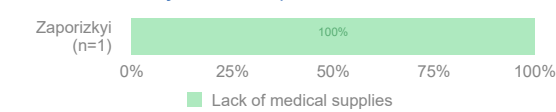
Main barriers by raion, Khersonska oblast



Service Availability by raion, Zaporizka oblast*



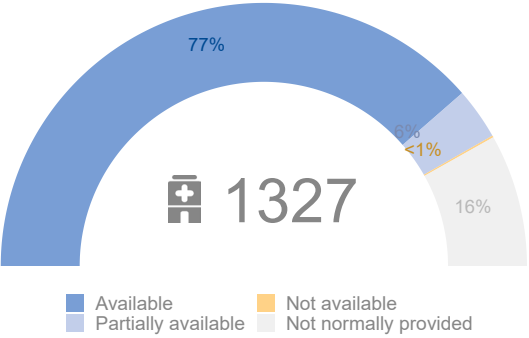
Main barriers by raion, Zaporizka oblast



*Chart excludes health facilities where the service is not normally provided.

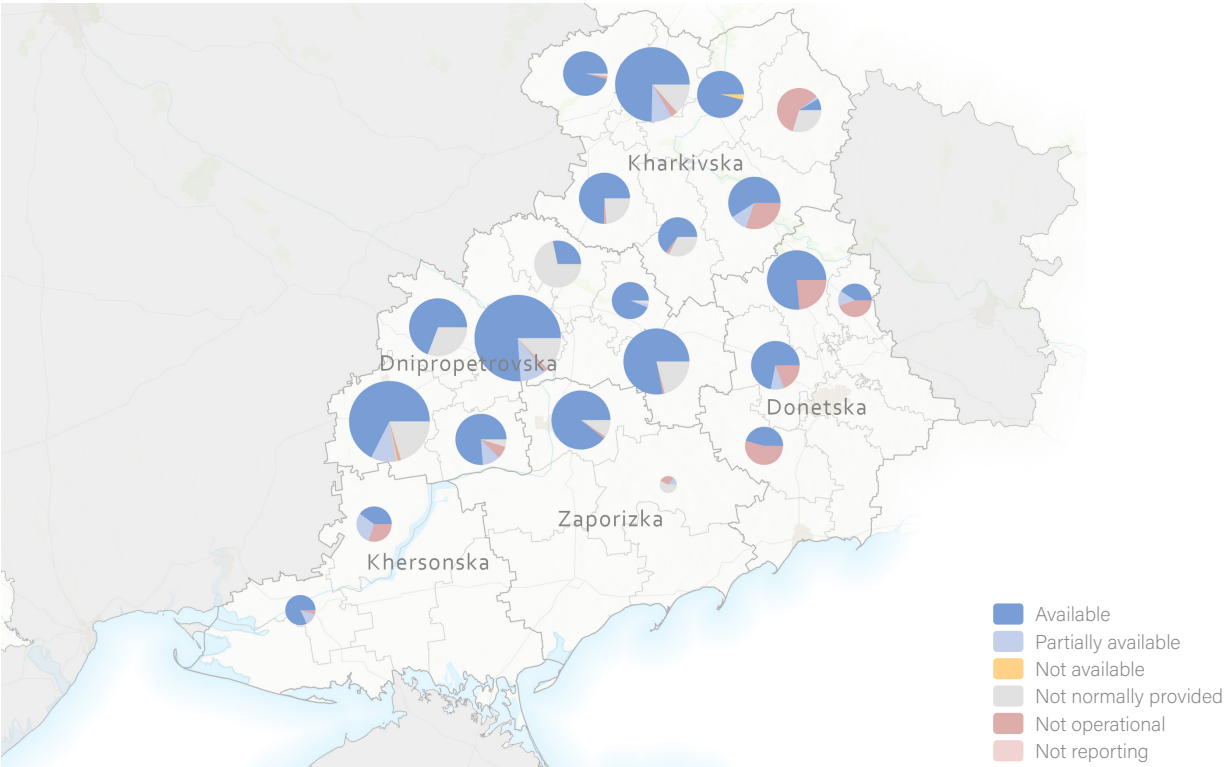
NCD CLINIC

Service availability



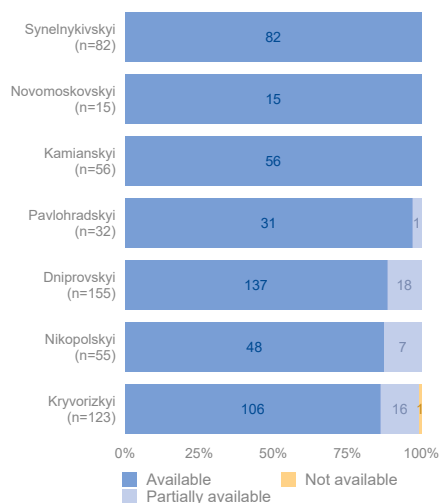
Main barriers

(n = 87)

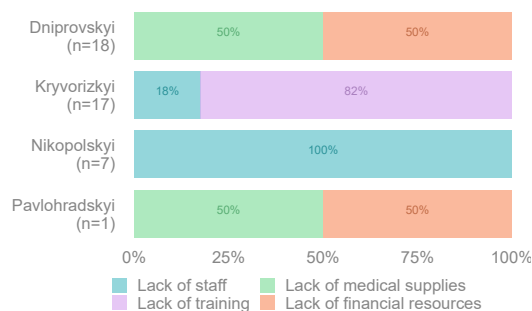


NCD CLINIC

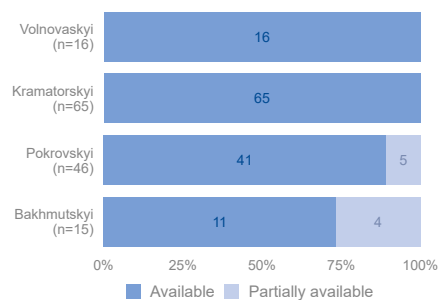
Service Availability by raion, Dnipropetrovska oblast*



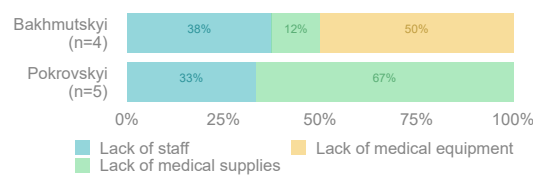
Main barriers by raion, Dnipropetrovska oblast



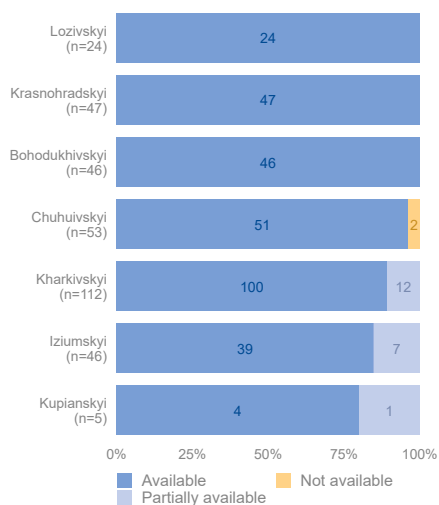
Service Availability by raion, Donetsk oblast*



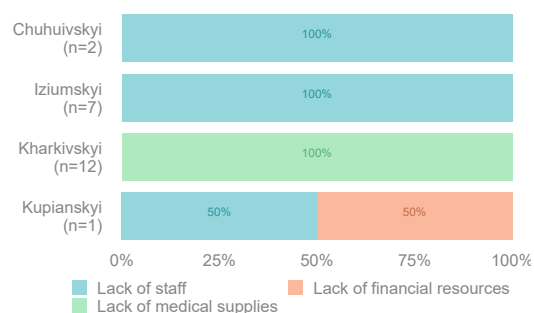
Main barriers by raion, Donetsk oblast



Service Availability by raion, Kharkivska oblast*



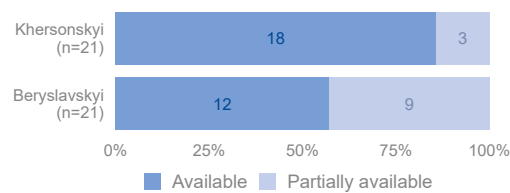
Main barriers by raion, Kharkivska oblast



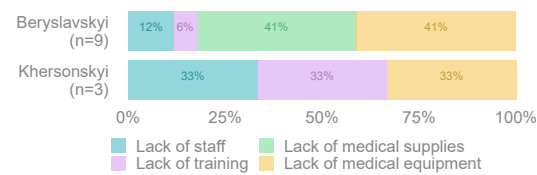
* Chart excludes health facilities where the service is not normally provided.

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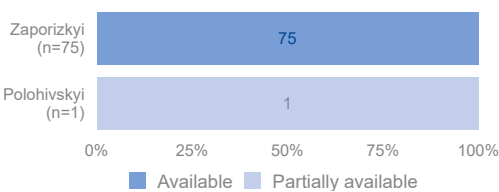
Service Availability by raion, Khersonska oblast*



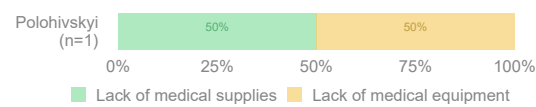
Main barriers by raion, Khersonska oblast



Service Availability by raion, Zaporizka oblast*



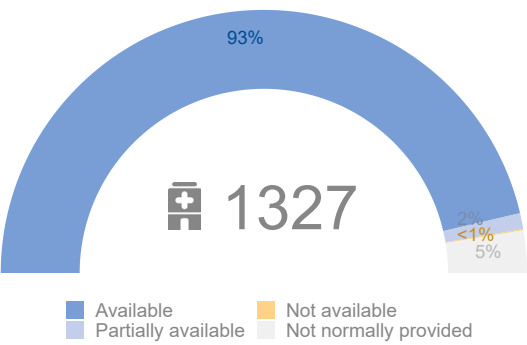
Main barriers by raion, Zaporizka oblast



*Chart excludes health facilities where the service is not normally provided.

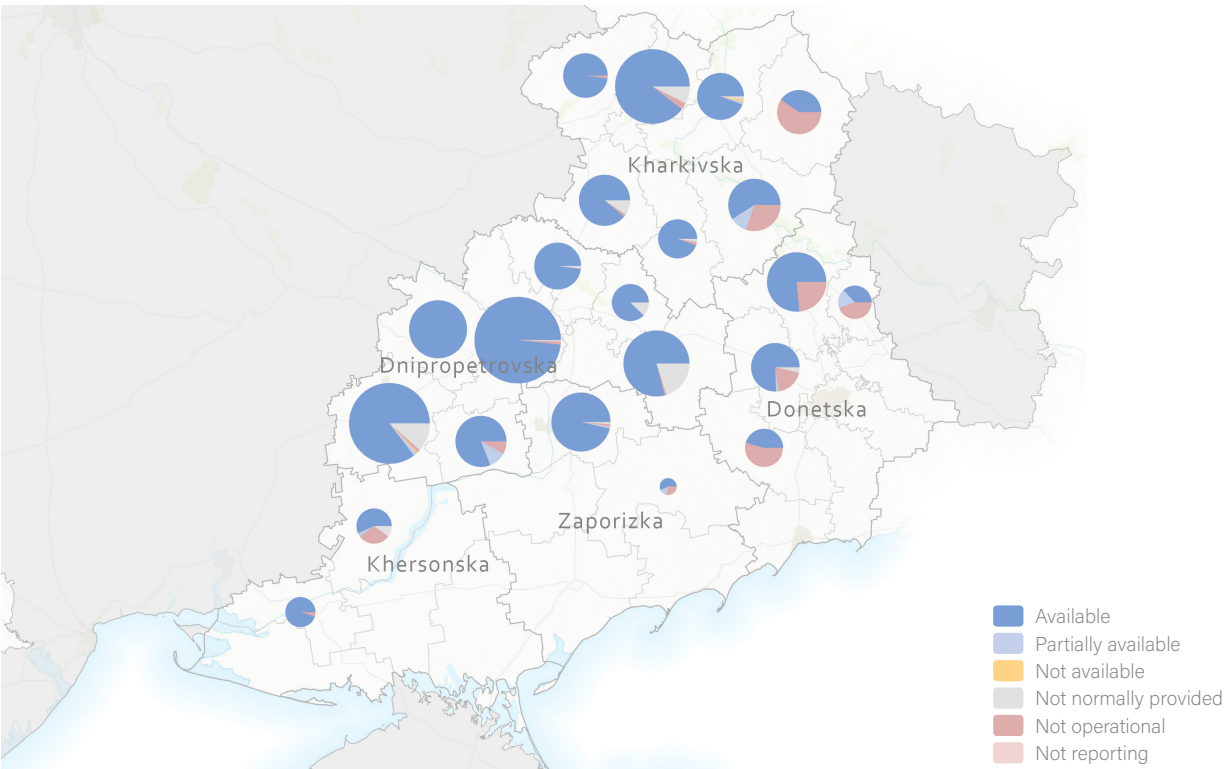
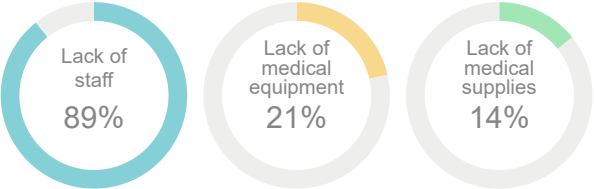
HYPERTENSION

Service availability



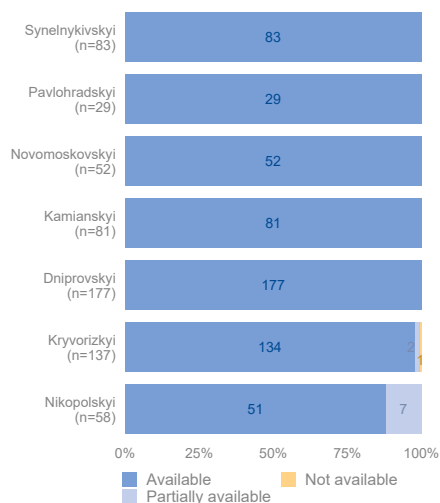
Main barriers

(n = 28)

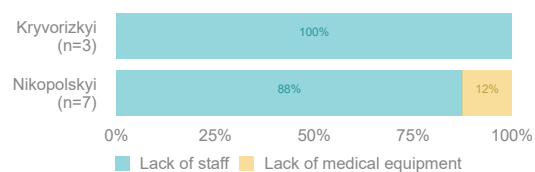


HYPERTENSION

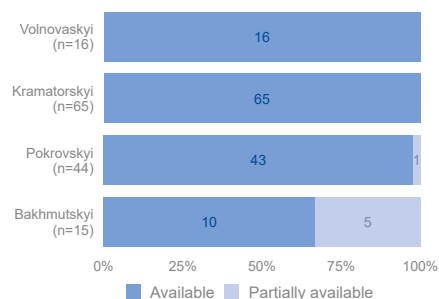
Service Availability by raion, Dnipropetrovska oblast*



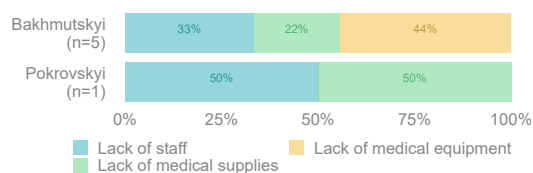
Main barriers by raion, Dnipropetrovska oblast



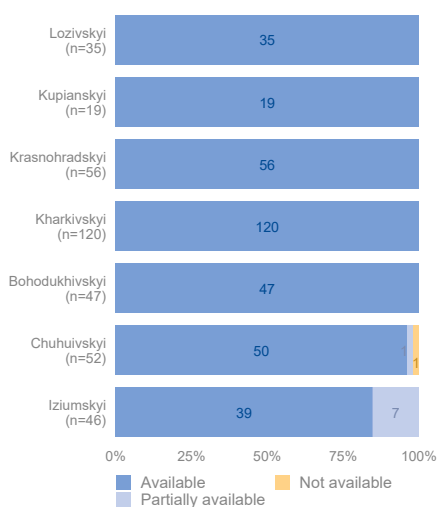
Service Availability by raion, Donetsk oblast*



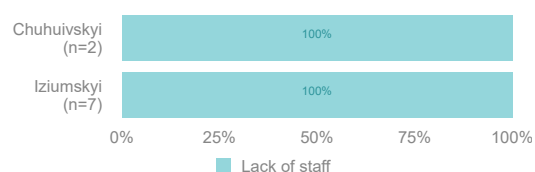
Main barriers by raion, Donetsk oblast



Service Availability by raion, Kharkivska oblast*



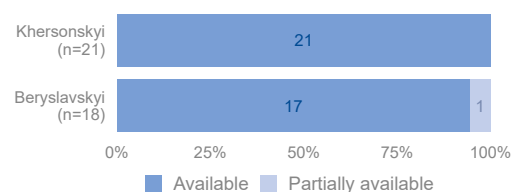
Main barriers by raion, Kharkivska oblast



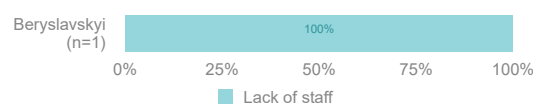
* Chart excludes health facilities where the service is not normally provided.

HYPERTENSION

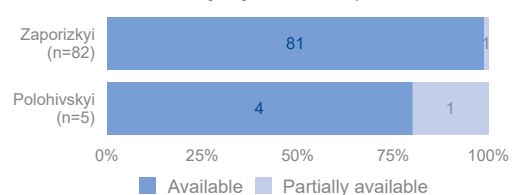
Service Availability by raion, Khersonska oblast*



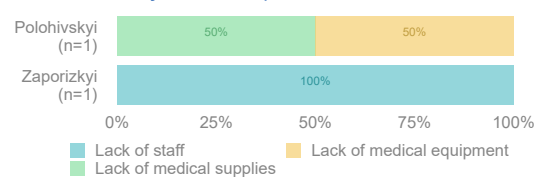
Main barriers by raion, Khersonska oblast



Service Availability by raion, Zaporizka oblast*



Main barriers by raion, Zaporizka oblast



*Chart excludes health facilities where the service is not normally provided.

