

# UKRAINE: MASTER DATASET

**CODEBOOK V1.1**

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## INTRODUCTION

This document provides the structure for the ACAPS Ukraine Master Dataset. This dataset consolidates key indicators of the Ukraine crisis for the regular comparison and analysis of available data and the tracking of changes in the humanitarian situation.

The dataset puts together a variety of indicators on the Ukrainian situation and a number of pre-existing datasets collected from ACAPS and external sources.

Disclaimer: the first release of the dataset has a set of quantitative indicators. It will be integrated with a qualitative component and modified if necessary, as more data will become available in the next months. This concern may also apply to past entries. Sub-indicator % variation in consumer prices is still under development and subject to modifications, and will be published soon.

### Methodology

The core dataset puts together several ACAPS and non-ACAPS datasets, involving several data collection methodologies. ACAPS data collectors, trained on the relevant methodologies and indicators, are monitoring the situation in Ukraine and updating the indicators by inputting data under the correct indicators if applicable. The baseline data period is considered from 1 January to before 24 February 2022, the date of the start of the full-scale invasion. Data collection has been done retroactively to ensure coverage of the dataset since the beginning of the conflict. After being input, context-aware analysts then review the data under a quality check process, which is then made available through our API. The dataset is also published in CSV format.

The dataset is released monthly (API documentation will be published soon), and historical versions are available since January 2022.

### Sources

Data is sourced from publicly available information, such as reports from international and local humanitarian organisations, international and local media, social media platforms, UN agencies, and official government websites. Analytical judgement is applied when deciding what data to include in the dataset. Some indicators rely instead on fixed sources, as will be outlined in the indicators list.

### Limitations

ACAPS relies on open sources and the expert judgement of trained data collectors in selecting the most reliable sources. ACAPS has an operational presence, but we do not undertake primary data collection exercises, meaning some events might not be recorded. Data collectors have a range of language skills, but linguistic barriers might have prevented ACAPS from identifying all the available information. Considering the diversity and complexity of the crises, certain types of events may appear to fall outside of this categorisation. If you identify information gaps or would like to suggest the inclusion of missing information, please contact us at [info@acaps.org](mailto:info@acaps.org).

Crimea and Sevastopol admin areas have consistent limitations given the unavailability of data. The poverty rate for Ukraine is not logged because of inconsistency between different sources. The returnees tracked by IOM are logged under sub-indicator '# people moving back' because there is no data on whether these returns are sustainable.

Disclaimer: this report refrains from using the term 'returnee' to avoid implying that the analysed movements back to places of habitual residence within Ukraine are sustainable or permanent, as there is currently not enough evidence to support this assumption.

### Dataset structure

The dataset is structured on monthly releases, where every line is an oblast (admin1) – with the exception of the first line, which is the country level Ukraine (admin0). Every column is one indicator, and it contains figures or are empty, which means no information is available.

Data collection is done at the oblast and country levels. The data is uploaded to the dataset according to the following structure and coding system.

**Table 1: log**

VARIABLE NAME	FORMAT	DEFINITION	CODES	TYPE
ID	Numeric	Unique code for every entry	Progressive number	Integer
ISO	Text	Country ISO code		String
Country name	Text	Administration 0 name (English standard)		String
Country level	Checkbox	Checkbox marked if the event affects all the administration level 1s in the country	Checklist	Boolean
Admin 1	Text	Administration 1 code	List of ADM1 – GADM standards (see annex)	String
Admin 1 name	Text	Administration 1 name (English standard)	List of ADM1 – GADM standards (see annex)	String
Sub-indicator	List	The list of sub-indicators	List of indicators (see table 3)	String
Indicator	List	The list of indicators	List of sub-indicators (see table 3)	String
Pillar	List	The list of pillars	See indicators list	String
Figure	Numeric	The numeric value of the sub-indicator		Integer/float
Justification	Text	Short narrative description of the sub-indicator figure		String
Source name	Text	Source name		String
Source date	Date	Publication source date	None	DD-MM-YYYY
Data date (if different)	Date	The date relevant to the data in the source, if different than the publication date	None	DD-MM-YYYY
Source link	Text	Source link	None	
_Created	Date	Date of entry	None	DD-MM-YYYY

**Table 2: analysis framework**

PILLAR	EXPLANATION
Demography	This pillar provides demographic information on the Ukraine population.
Conflict and political developments	This pillar provides information about the conflict.
Socioeconomic	This pillar provides information on the socioeconomic situation in Ukraine.
Humanitarian context	This pillar provides information on the humanitarian response and access.
Crisis impact	This pillar covers the scope and scale of the current crisis.

**Table 3: indicators**

PILLAR	INDICATORS	SUB-INDICATORS	EXPLANATION	SOURCE	FREQUENCY
Demography	Population	# total population	This is the total population in the country, before (baseline) and post-crisis. Crisis population figures do not include population groups abroad (notably refugees) and add the number of people moving back.	Gov't of Ukraine and UNFPA	Monthly
Demography	Population	# female population (gender)	This is the total female population in the country before the crisis (baseline).	Gov't of Ukraine and UNFPA	Yearly
Demography	Population	# male population (gender)	This is the total male population in the country before the crisis (baseline).	Gov't of Ukraine and UNFPA	Yearly
Conflict and political developments	Areas of control	# km <sup>2</sup> landmass affected	This is the total landmass of Ukraine considered affected by the full-scale Russian invasion, in square kilometres (km <sup>2</sup> ).	OCHA	Monthly
Conflict and political developments	Areas of control	# km <sup>2</sup> controlled by Ukrainian authorities/ forces	This is the total landmass controlled by Ukrainian forces in square kilometres (km <sup>2</sup> ).	ISWN, ISW, Live UA Map	Monthly
Conflict and political developments	Areas of control	# km <sup>2</sup> controlled by Russian forces	This is the total landmass controlled by Russian forces in square kilometres (km <sup>2</sup> ).	ISWN, ISW, Live UA Map	Monthly
Conflict and political developments	Areas of control	# km <sup>2</sup> unconfirmed control	This is the total landmass of disputed or unconfirmed control in square kilometres (km <sup>2</sup> ).	ISWN, ISW, Live UA Map	Monthly
Conflict and political developments	Conflict events	# battles	This is the aggregation of the number of battles (see ACLED briefs on review and sourcing).	ACLED (standard source)	Monthly
Conflict and political developments	Conflict events	# explosions/ remote violence	This is the aggregation of the number of explosions and remote violence incidents (see ACLED briefs on review and sourcing).	ACLED (standard source)	Monthly
Conflict and political developments	Conflict events	# fatalities	This is the aggregation of the number of fatalities (see ACLED Fatality Methodology brief and ACLED briefs on review and sourcing).	ACLED (standard source)	Monthly
Conflict and political developments	Conflict events	# violence against civilians	This is the aggregation of violent incidents against civilians during the month (see ACLED briefs on review and sourcing).	ACLED (standard source)	Monthly
Socioeconomic	Economy	% inflation rate	This is the inflation rate in Ukraine.	National Bank of Ukraine	Monthly
Socioeconomic	Economy	% poverty rate	This is the poverty rate in Ukraine.	To be determined	Upon availability
Socioeconomic	Economy	% variation in consumer prices	This is the year-on-year percentage of increase in consumer prices.	National Bank of Ukraine	Monthly
Socioeconomic	Economy	# unemployed people	This is the number of officially registered unemployed people.	State Employment Service	Monthly
Humanitarian context	Access events	# total access events	This is the aggregation of access events tracked within the month (see ACAPS access events dataset).	ACAPS	Monthly
Crisis impact	Impact on infrastructure	# total infrastructure damages	This is the aggregation of all infrastructure damage recorded within the month (see ACAPS Ukraine Hub infrastructure damages dataset).	ACAPS	Monthly

PILLARS	INDICATORS	SUB-INDICATORS	EXPLANATION	SOURCE	FREQUENCY
Crisis Impact	Affected groups	# people exposed	This is the total number of people exposed to the crisis. The total population is considered exposed. (See INFORM Severity Index methodology.)	Multiple	Upon availability
Crisis impact	Affected groups	# people affected	This is the total number of people exposed to the crisis. The total population is considered affected. (See INFORM Severity Index methodology.)	Multiple	Upon availability
Crisis impact	Affected groups	# people displaced	This is the total number of people displaced because of the crisis, including refugees, IDPs, returnees, and migrants (see INFORM Severity Index methodology).	Multiple	Upon availability
Crisis impact	Affected groups	# outgoing refugees	This is the total number of Ukrainian refugees recorded across Europe.	UNHCR/HDX OCHA (UNHCR)	Monthly
Crisis impact	Affected groups	# outgoing refugees registered for protection	This is the total number of refugees from Ukraine registered for temporary protection or similar national protection schemes in Europe.	UNHCR	Monthly
Crisis impact	Affected groups	# people moving back	This is the total number of people moving back to their oblast of origin, from abroad or internally.	IOM	Monthly
Crisis impact	Affected groups	# people in need	The total number of people in need of humanitarian assistance.	OCHA	Yearly
Crisis impact	Affected groups	# people in level 1 humanitarian condition	This is calculated according to the INFORM Severity Index methodology.	Multiple	Upon availability
Crisis impact	Affected groups	# people in level 2 humanitarian condition	This is calculated according to the INFORM Severity Index methodology.	Multiple	Upon availability
Crisis impact	Affected groups	# people in level 3 humanitarian condition	This is calculated according to the INFORM Severity Index methodology.	Multiple	Upon availability
Crisis impact	Affected groups	# people in level 4 humanitarian condition	This is calculated according to the INFORM Severity Index methodology.	Multiple	Upon availability
Crisis impact	Affected groups	# people in level 5 humanitarian condition	This is calculated according to the INFORM Severity Index methodology.	Multiple	Upon availability

**Table 4: admin areas**

ADM1 – GADM	ADMIN1 NAME	ADMIN 1 PCODE
UKR.4_1	Autonomous Republic of Crimea	UA01
UKR.24_1	Vinnytsia	UA05
UKR.25_1	Volyn	UA07
UKR.5_1	Dnipropetrovsk	UA12
UKR.6_1	Donetsk	UA14
UKR.27_1	Zhytomyr	UA18
UKR.23_1	Zakarpattia	UA21
UKR.26_1	Zaporizhzhia	UA23
UKR.7_1	Ivano-Frankivsk	UA26
UKR.12_1	Kyiv	UA32
UKR.13_1	Kirovohrad	UA35
UKR.15_1	Luhansk	UA44
UKR.14_1	Lviv	UA46
UKR.16_1	Mykolaiv	UA48
UKR.17_1	Odesa	UA51
UKR.18_1	Poltava	UA53
UKR.19_1	Rivne	UA56
UKR.21_1	Sumy	UA59
UKR.22_1	Ternopil	UA61
UKR.8_1	Kharkiv	UA63
UKR.9_1	Kherson	UA65
UKR.10_1	Khmelnyskyi	UA68
UKR.1_1	Cherkasy	UA71
UKR.3_1	Chernivtsi	UA73
UKR.2_1	Chernihiv	UA74
UKR.11_1	Kyiv city	UA80
UKR.20_1	Sevastopol city	UA85