Research Terms of Reference

Multi-Sector Needs Assessment (MSNA)
SDN2001
Sudan

August 2020
V4

REACH Informing
more effective
humanitarian action

1. Executive Summary

Country of intervention	Sudan
Type of Emergency	□ Natural disaster X Conflict
Type of Crisis	□ Sudden onset □ Slow onset X Protracted
Mandating Body/ Agency	*United States Office of Foreign Disaster Assistance (USOFDA) [99AJW]*
Project Code	*23APJ, 99AJW*
Overall Research Timeframe	01/05/2020 to 28/02/2021
Research Timeframe	1. Start collect data: 16/08/2020 (Start date for IOM. Most partners started at end of August or early September.)	7. Preliminary presentations (to sectors): Full dataset: 03-16/12/2020
	2. Partial data collected: 11/09/2020, 06/10/2020 (HNO will be based primarily on secondary data, supplemented by two non-complete MSNA datasets, below called v1 and v2)[1]	8. Outputs sent for validation: 14/10/2020 (v2 of HH survey dataset analysis), 11/2020 (full HH survey dataset analysis), 11/2020 (full AoK KII dataset analysis), 11-12/2020 (sector presentations), 12/2020 (ISCG/HCT presentation), 01/2021 (online dashboard design), 01/2021 (final report outline), 02/2021 (any additional analysis), 02/2021 (populated online dashboard), 02/2021 (final report draft)
	3. Full data collected: 30/11/2020	9. Outputs published: 22/02/2021 (online dashboard), 30/03/2021 (est. final report)
	4. Data analysed: 30/11/2020 (for MSNA report; non-complete v1 and v2 datasets will be analysed by sectors for HNO analysis)	10. Final presentation (to ISCG/HCT): 12/2020
	5. Data sent for validation: Non-complete dataset (to meet HPC milestones):	

[1] The partial datasets are being prepared to aid in the HNO process, given that the final dataset is not expected to be available until after the HNO is finalized.

	09/09/2020, 01/10/2020 (for submission to OCHA on 11/09/2020 and 16/10/2020, respectively) Final dataset: 26/10/2020 (HH survey dataset), 30/11/2020 (AoK KII dataset)		
Number of assessments	X	Single assessment (one cycle)	
	□	Multi assessment (more than one cycle)	
Humanitarian milestones	**Milestone**		**Deadline**
	□	Donor plan/strategy	_ _/_ _/_ _ _ _
	X	Inter-cluster plan/strategy	15/10/2020 (est. for HNO, following finalisation of sector strategies)
	X	Cluster plan/strategy	20/09/2020 (sectors will use secondary data, supplemented by partial MSNA dataset)
	□	NGO platform plan/strategy	_ _/_ _/_ _ _ _
	□	Other (Specify):	_ _/_ _/_ _ _ _
Audience Type & Dissemination	**Audience type**		**Dissemination**
	X Strategic X Programmatic X Operational □ [Other, Specify]		X General Product Mailing (e.g. mail to NGO consortium; HCT participants; Donors) X Cluster Mailing (e.g. Education, Shelter and WASH) and presentation of findings at next cluster meeting X Presentation of findings (e.g. at HCT meeting; Cluster meeting) X Website Dissemination (Relief Web & REACH Resource Centre) □ [Other, Specify]
Detailed dissemination plan required	□	Yes	X No
General Objective	The general objective of this MSNA is to contribute to a more targeted and evidence-based humanitarian response in Sudan by providing humanitarian actors with a nationwide, locality-level, multi-sector analysis of current population needs and dynamics.		

Specific Objective(s)	1. Understand humanitarian needs in terms of:
	   a. the impact that the crisis has had on people;
	   b. humanitarian conditions (i.e., living standard gaps and use of coping mechanisms); and
	   c. current and forecasted priority needs and concerns;
	
	   And how these humanitarian needs differ by:
	      i. geographic location (i.e., locality);
	      ii. population group (i.e., non-displaced, IDPs and refugees); and
	      iii. pre-existing vulnerability profile (i.e., female or child HoH, relatively large age-dependency ratio).
	
	2. Identify the severity of humanitarian needs, and the proportion of households in each severity category, in order to provide robust evidence to support and inform:		

	a. Key milestone documents such as the Humanitarian Needs Overview (HNO) and the Humanitarian Response Plan (HRP) for 2021; b. Sudanese humanitarian response planning in general, especially around inter-sectoral needs.

Research Questions	1. **Pre-existing vulnerability[2]**
	   a. What proportion of the population has pre-existing vulnerability?
	   b. And how does this proportion differ based on:
	      i. Locality?
	      ii. Population group?
	
	2. **Impact on people**
	   a. What is the level of impact of the crisis?
	   b. And how does the level of impact differ based on:
	      i. Locality?
	      ii. Population group?
	
	3. **Living standard gaps**
	   a. What is the severity of living standard gaps across the following sectors: Food Security and Livelihoods (FSL); Health; Nutrition; Water, Sanitation and Hygiene (WASH); Shelter and Non-food Items (Shelter & NFIs); Protection; and Education?
	   b. And how does the severity of living standard gap differ based on:
	      i. Locality?
	      ii. Population group?
	
	4. **Food-related coping mechanisms**
	   a. To what extent do households use food-related coping mechanisms?
	   b. And how does the use of food-related coping mechanisms differ based on:
	      i. Locality?
	      ii. Population group?
	
	5. **Severity of humanitarian needs**
	   a. What is the overall severity of humanitarian needs, both by and across sectors?
	   b. And how does the overall severity of humanitarian needs differ based on:
	      i. Locality?
	      ii. Population group?

Geographic Coverage	The MSNA is planned to cover all 18 states and 185[3] localities in Sudan, plus Abyei PCA. Coverage may be affected by access and security restrictions during the data collection period.
Secondary data sources	The following four datasets were used to construct the sampling frame: • **Republic of Sudan Central Bureau of Statistics baseline population data**[4]: This dataset was used to establish overall population figures for Sudan. It is the same dataset used by IPC Sudan.

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[2] "Pre-existing vulnerabilities can be defined as the underlying processes or conditions that influence the degree of the shock and influence exposure, vulnerability or capacity, which could subsequently exacerbate the impact of a crisis on those affected by the vulnerabilities." IMPACT Initiatives, MSNA Analysis: Guidance, 2020.

[3] Please note that this number might change during data collection, for access or security reasons.

[4] Republic of Sudan Central Bureau of Statistics, "Population & Socio-economy: Baseline Population by Age and Sex," 1 January 2018. Available at: https://data.humdata.org/dataset/population-socio-economy-baseline-population-by-age-and-sex

	WorldPop Sudan population counts[5]: This dataset was used to fill in gaps in the preceding dataset, as well as to disaggregate population data for localities which were presented with aggregate figures in the preceding dataset. **International Organisation for Migration IDP population data**[6]: This dataset was used to calculate IDP population figures. **UNHCR refugee population data**: This dataset was used to calculate refugee population figures. For the details on how these datasets were combined to create the sampling frame, please see section 3.4.2 of this document. In addition, data on sub-national administrative boundaries was obtained from a dataset produced by OCHA and the Information Management Working Group (IMWG).[7] Finally, a secondary data review was conducted to better understand pre-existing conditions, contextual factors and dynamics within the crisis in Sudan, and the results are available online.[8]		

Population(s)	X	IDPs in camp	X	IDPs in informal sites
	X	IDPs in host communities	□	IDPs [Other, Specify]
	X	Refugees in camp	X	Refugees in informal sites
	X	Refugees in host communities	□	Refugees [Other, Specify]
	X	Host communities	□	[Other, Specify]

Stratification	X	Geographical #: 185 localities, plus Abyei PCA Population size per strata is known? □ Yes X No (Population size for most strata is known. For remaining strata, population data is available in the aggregate; REACH has create estimated, disaggregated totals using WorldPop data.)	X	Group #: 4 (Non-displaced, IDPs, Refugees) Population size per strata is known? □ Yes X No (See preceding note.)	□	*[Other Specify]* #: _ _ Population size per strata is known? □ Yes □ No

Data collection tool(s)	X	Structured (Quantitative)	□	Semi-structured (Qualitative)

	Sampling method	**Data collection method**
Structured data collection tool # 1	X Purposive (HH surveys, quota sampling with purposive and snowball strategies) □ Probability / Simple random □ Probability / Stratified simple random □ Probability / Cluster sampling □ Probability / Stratified cluster sampling	□ Key informant interview (Target #):_ _ _ _ _ □ Group discussion (Target #):_ _ _ _ _ X Household interview (Target #): maximum 15,759[9] □ Individual interview (Target #):_ _ _ _ _ □ Direct observations (Target #):_ _ _ _ _

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[5] WorldPop, "Population counts," 2010. Available at: https://www.worldpop.org/doi/10.5258/SOTON/WP00256
[6] IOM Sudan, "IDP Population DTM IOM – Sudan," 29 February 2020. Available at: https://data.humdata.org/dataset/idp-population-dtm-iom-sudan
[7] OCHA/IMWG, "Sudan - Subnational Administrative Boundaries," 2019. Available at: https://data.humdata.org/dataset/sudan-administrative-boundaries-levels-0-2
[8] REACH, "2020 Sudan MSNA secondary data review." Available at: https://docs.google.com/spreadsheets/d/10JGqf6caOZz5AfgtxaZurw8t1hgb4IfQhHN5ro7qHwA/edit#gid=0
[9] Total figure may change if geographic coverage of the assessment changes for access or security reasons.

	□ [Other, Specify]			□ [Other, Specify] (Target #):_ _ _ _ _			
Structured data collection tool # 2	X Purposive (Area of Knowledge Key Informant Interviews) □ Probability / Simple random □ Probability / Stratified simple random □ Probability / Cluster sampling □ Probability / Stratified cluster sampling □ [Other, Specify]			X Key informant interview (Target #): TBD (will cover all strata for which it was not possible to collect an adequate number of HH surveys, due to access and/or partner capacity issues) □ Group discussion (Target #):_ _ _ _ _ □ Household interview (Target #):_ _ _ _ _ □ Individual interview (Target #):_ _ _ _ _ □ Direct observations (Target #):_ _ _ _ _ □ [Other, Specify] (Target #):_ _ _ _ _			

Data management platform(s)	X	IMPACT		□	UNHCR	
	□	[Other, Specify]				

Expected ouput type(s)	□	Situation overview #: _ _	X	Report #: 1	□	Profile #: _ _	
	X	Presentation (Preliminary findings) #: 1 (est.)	X	Presentation (Final) #: 1 (est.)	X	Factsheet #: 0	
	□	Interactive dashboard #: 1	□	Webmap #: _ _	□	Map #: _ _	
	□	[Other, Specify] #: _ _					

Access	X	Public (available on REACH resource center and other humanitarian platforms)
	□	Restricted (bilateral dissemination only upon agreed dissemination list, no publication on REACH or other platforms)

Visibility	**REACH**
	Donor: OFDA
	Coordination Framework: OCHA, ISCG
	Data Collection Partners: ADRA, Altawaki, ARC, CDF, CIS, DPI, DRC, EDCO, GPA, IOM, IRW, JMCO, Maarif, NaHA, NCA, NIDAA, NRC, NuWEDA, Plan International, SMOH, SOS Sahel, SRCS, UNHCR, UNICEF, VNRHD, WDECO, WFP, WHH, World Relief, ZOA

2. Rationale

2.1. Rationale

Sudan is currently experiencing a combination of political uncertainty, economic fragility, poor service provision, continued civil conflict and vulnerability to flooding and other natural disasters.[10] The year 2019 witnessed a major political shift; since April 2019, the country has been led by a transitional government. The new government has stated that it will prioritise finding solutions to both the multiple civil conflicts, as well as to the economic crisis. However, current humanitarian needs are pressing. According to the 2020 Sudan Humanitarian Needs Overview, 9.3 million people (23% of the population) were in need of humanitarian assistance.[11] Sudan's most recent IPC snapshot (June-December 2020) reported that 9.6 million

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[10] OCHA, "Humanitarian Needs Overview: Sudan," January 2020, pp. 8-10. Available at: https://reliefweb.int/sites/reliefweb.int/files/resources/Sudan_2020_HNO.pdf

[11] Ibid, pp. 8.

people, or 21% of the population, were experiencing high levels of acute food insecurity (IPC Phase 3 or above).[12] This represents the highest IPC figure for Sudan on record, and it has the potential to worsen if economic conditions do not improve, or if localised desert locust infestations along Sudan's eastern coast spread to the interior.[13] Alongside these economic and food security challenges, Sudan – like most countries – is battling an outbreak of COVID-19. The first confirmed case of the virus was reported in Sudan on 12 March 2020, and by early September, there had been 13,407 cases and 832 deaths.[14] This outbreak occurred in the context of Sudan's chronically under-funded basic services, including health and WASH.[15] In addition, Sudan is currently experiencing record-breaking floods that have claimed the lives of 99 people and affected over half a million more.[16] In response to these conditions, the Sudanese government has declared a state of emergency that will last until December 2020.

In the context of these challenges, OCHA and the humanitarian community decided to conduct the first annual Multi-Sector Needs Assessment for Sudan in 2020. This assessment is intended to address the lack of reliable and up-to-date data on humanitarian conditions for humanitarian planning and decision-making processes, a gap that especially affects parts of the country that historically have seen less presence of aid actors.

3. Methodology

3.1. Methodology overview[17]

This MSNA will follow a primarily quantitative approach. This quantitative approach will consist of both household (HH) surveys and structured Area of Knowledge (AoK) Key Informant Interviews (KIIs), with respondents selected using non-probability sampling strategies. REACH and its data collection partners will seek to cover all assessment strata with household surveys, for a maximum of 15,759 household surveys. Respondents will be classified by displacement status: non-displaced, internally displaced persons (IDPs), and refugees. Respondents for the HH surveys will be selected via non-probability, quota sampling with purposive and snowballing strategies. Wherever possible, household surveys will be conducted remotely, i.e., over the phone. When phone-based interviews are not possible, then they will be conducted face-to-face.

However, it is expected that REACH and its partners will encounter access issues in certain localities and with certain population groups. These access issues may arise from limited mobile network coverage, the difficulty of physically accessing certain areas during the rainy season, COVID-19-based movement restrictions, limited partner availability and/or security concerns. In such cases, REACH and its data collection partners will jointly decide to shift its methodology for these affected strata from HH surveys to AoK KIIs.[18] These AoK KIIs will be conducted with key informants who have recent knowledge of the humanitarian conditions for the targeted stratum, and who will be asked to provide data on the situation of

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[12] Integrated Food Security Phase Classification, 'SUDAN: Integrated Food Security Phase Classification Snapshot: June-December 2020,' July 2020. Available at:
http://www.ipcinfo.org/fileadmin/user_upload/ipcinfo/docs/IPC_Sudan_AcuteFoodInsecurity_2020JuneDec_Snapshot.pdf

[13] Food and Agricultural Organisation, "Desert locust situation update," 2 September 2020. Available at:
http://www.fao.org/ag/locusts/en/info/info/index.html

[14] OCHA, "Sudan: COVID-19 Situation Dashboard 2020." Available at:
https://app.powerbi.com/view?r=eyJrIjoiNTJmYTlkZTgtOTgyOC00ZWY1LTlmZDAtNzQ1OTIxNDhjZDIzIiwidCI6IjBmOWUzNWRiLTU0NGYtNGY2MC1iZGNjLTVIYTQxNmU2ZGM3MCIsImMiOjh9

[15] OCHA, "Humanitarian Needs Overview," pp. 8.

[16] Reuters, "Sudan declares 3-month state of emergency over floods," 5 September 2020. Available at:
https://af.reuters.com/article/sudan-floods-emergency-idAFL8N2G201V

[17] For more details on the data collection methodology, please see the 2020 Sudan MSNA Data Collection Standard Operating Procedures (SOPs).

[18] If some HH surveys have already been collected for the affected strata, REACH will decide on a case-by-case basis whether to retain these surveys in the final dataset, or whether to exclude them. If very few HH surveys have been collected when the switch takes place, then these surveys will be excluded from the final dataset. However, if more than 30 surveys have been collected – though still fewer than the target – REACH may choose to include them in the final dataset, while also triangulating this HH survey data against the AoK KII results.

HHs as a whole. As with the HH surveys, the AoK KII will be phone-based whenever possible, and face-to-face where remote interviews are not possible.

The results of the quantitative data collection will be indicative for all strata. Comparability among strata will be limited due to sampling methodology, as well as mixed approach of HH surveys and AoK KIIs.

Quantitative data collection will run from late August until the end of October. After the quantitative dataset is finalised, REACH and its data collection partners will present the results to both the sectors and the ISCG/HCT. Upon completion of these presentations, and if there is sufficient buy-in and capacity among data collection partners, a supplementary qualitative component may be added in November or early December. If added, this qualitative component will consist of targeted, unstructured KIIs with subject matter experts. The purpose of this component will be to fill in any gaps in the quantitative analysis.

3.2 Population of interest

3.2.1 Geographical area assessed

This assessment will be conducted at the locality level in Sudan. It will cover all 18 Sudanese states, which are further broken down into 185 localities.[19] Three localities in South Kordofan state, plus portions of localities in Blue Nile states, may need to be excluded due to context sensitivities.

Additionally, the assessment will cover Abyei PCA, which is an area on the border of Sudan and South Sudan which has special administrative status, and which is considered part of both Sudan and South Sudan. Results for Abyei PCA will be analysed and presented separately from the results for the rest of Sudan.

Several challenges related to geography are expected to affect data collection and analysis:

- **Mobile network coverage:** Not all of Sudan is covered by a mobile network. Some areas have no network at all, while others have partial or unreliable coverage. REACH will work with its data collection partners to determine in which areas phone-based data collection can be conducted, and in which areas data will have to be collected face-to-face.
- **Physical access during the rainy season:** The rainy season in Sudan is expected to begin in July and to last until at least September. During this period, some roads may become impassable. Physical access may also be limited by floods or the risk of floods.
- **COVID-19-based movement restrictions:** In response to the COVID-19 pandemic, Sudan has put in place restrictions around movements and gatherings of people. These restrictions vary from state to state. Data collection partners must respect the restrictions that apply to their areas of data collection.
- **Limited partner availability:** Some areas of Sudan have few humanitarian actors present. In other areas, partners may be present but have limited availability to participate in data collection due to other obligations.
- **Security concerns:** Some portions of Sudan may be inaccessible during the data collection period due to security or other, related reasons.

3.2.2 Population groups assessed

The assessment will target three population groups:

- **Non-displaced:** For the purpose of this MSNA, non-displaced people, also called "residents," are Sudanese people that either have never been displaced from their habitual residence, or that were formerly displaced and have now returned to their habitual residence, or whose displacement occurred prior to 2003.
- **Internally Displaced Persons (IDPs):** IDPs are Sudanese people (whether native-born or naturalised) that have been displaced from their habitual residence by an event (e.g., violence or natural disaster) since 2003 and forced to seek safety in another village, neighbourhood, camp or gathering site.[20]

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[19] As noted above, this number may change based on access and security issues.
[20] This definition of IDPs was drawn from the Sudan IOM-DTM Round Zero report from October 2019, pp. 6:

- **Refugees:** Refugees are people living in Sudan who have fled war, violence, conflict or persecution and who have crossed an international border to find safety in another country.

3.2.3 Unit of measurement

This MSNA will use two units of measurements for the two components of the final dataset. The main component of the final dataset, which is generated from HH surveys, will have the following unit of measurement:

- **Household:** A household is a group of people who live in the same dwelling and share food and other key resources. This may include people who are not part of the family but who are being hosted by the family. If there is any ambiguity, survey respondents will have the final say on who belongs to their household.

The second component of the final dataset, which is generated from AoK KIIs, will have the following unit of measurement:

- **Stratum:** In this assessment, a stratum represents the intersection between a geographic area (i.e., locality) and a population group (i.e., non-displaced, IDP, and refugee). AoK KIIs are asked questions about the humanitarian conditions in the stratum which they represent.

3.3 Secondary data review

As this is the first year that a MSNA will be conducted in Sudan, the secondary data review (SDR) will be composed of a wide range of secondary sources on Sudan. The topics covered by these sources will include:

- Political and economic background
- Peacemaking and peacebuilding initiatives
- Humanitarian conditions
- Recent events
- Humanitarian response (including 4Ws)

The types of sources in the SDR will include:

- HNOs and HRPs for 2020 and prior
- Integrated Food Security Phase Classification System (IPC) reports
- International Organisation for Migration Displacement Tracking Matrix (IOM-DTM) data and reports
- OCHA Situation Reports
- Sector publications (e.g., COVID-19 live dashboard)
- UNHCR reports on the conditions of refugees
- Reports and press releases published by humanitarian actors
- Reports and press releases published by Government of Sudan technical ministries

The main use of these secondary sources will be to orient the assessment and ensure that the data collection tools, methodology, and analysis are in line with the most critical humanitarian issues in Sudan, and that they effectively address current information gaps. A secondary use of these sources will be to triangulate data collected through the MSNA.

"According to the Guiding Principles on Internal Displacement, internally displaced persons (IDPs) are 'persons or groups of persons who have been forced or obliged to flee or to leave their homes or places of habitual residence, in particular as a result of or in order to avoid the effects of armed conflict, situations of generalized violence, violations of human rights or natural or human-made disasters, and who have not crossed an internationally recognized state border.' (United Nations, 1998). Building from this, and for operational purposes, the DTM considers a person to be displaced if they have been forced or obliged to flee from their habitual residence by a causing event since 2003 and subsequently sought safety in a different location: village, neighborhood, camp, or gathering-site."
Available at:
https://displacement.iom.int/system/tdf/reports/MT%20Round%20Zero%20Report%20final.pdf?file=1&type=node&id=6838

3.4 Primary Data Collection

3.4.1 Method

The approach to data collection for the 2020 Sudan MSNA was influenced by a few limiting factors: the absence of REACH field presence; the COVID-19 pandemic; a late start date and shortened timeline; and the fact that it was the inaugural Sudan MSNA, and therefore did not have an existing foundation of methodology, data or data collection partners to build upon. With these limiting factors in mind, REACH, OCHA, the NATT, and other data collection partners collaborated to design an MSNA approach that would produce a streamlined, targeted dataset that would address the most pressing humanitarian data needs, to aid in the 2021 HNO and HRP process.

As noted above, this MSNA will follow a primarily quantitative approach with non-probability sampling, using both HH-level surveys and AoK KIIs. Data collection will begin in mid-August and end in late October. It will cover all 18 Sudanese states and 185 localities, plus Abyei PCA.

Both HH surveys and AoK KIIs will be conducted by Sudanese enumerators, who in turn will be supervised by data collection partners. All data collection partners will be either UN or other multilateral agencies, international NGOs or local NGOs. The possible data collection approaches, in order of preference, are:

1. HH phone surveys
2. HH face-to-face surveys
3. Area of Knowledge (AoK) KI phone interviews
4. AoK KI face-to-face interviews
5. No data collection

By preference, all assessment strata will be covered by HH surveys. However, it is expected that some strata will be either inaccessible during the data collection period, or that data collection partners will not be able to collect the minimum required number of HH surveys before the end of the data collection period. In such cases, and upon agreement with OCHA and data collection partners, such strata will be switched from HH surveys to AoK KIIs. In this way, these strata may still be represented in the final MSNA dataset.

Also, by preference, all data will be collected over the phone, to minimise the risk of COVID-19 transmission. However, it is expected that phone-based data collection will not be possible for large portions of Sudan, due to a combination of limited mobile network coverage and feasibility issues with data collection partners. Where face-to-face data collection is conducted, all due precaution will be taken to avoid the transmission of COVID-19.[21]

Due to limitations in the timeline and partner capacity, there are not currently plans to collect qualitative data as part of this assessment. However, as noted above, if data collection partners are willing to participate in qualitative data collection after the results presentations in November or early December, REACH will provide all necessary technical support. Such limited qualitative data collection could be used to resolve any unanswered questions or fill in any gaps that emerge from the MSNA quantitative dataset or the discussions that emerge from the presentations. If added, this qualitative component will consist of targeted, unstructured KIIs with subject matter experts.

The REACH Sudan team will remotely support data collection by providing technical oversight, training materials, timely feedback on submitted surveys and weekly, open-ended question and answer (Q&A) sessions for data collection partner focal points.

3.4.2 Sampling

As referenced above, this assessment will rely on a non-probability sampling approach for both HH surveys and AoK KIIs. A non-probability approach was chosen due to limitations in the available population data for Sudan, as well as due to limitations in the logistics of collecting data and challenges in covering the entire population of interest using probabilistic methods, as previously mentioned under section 3.2.1. Although using quota sampling for the HH survey will come with

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[21] See the Data Collection SOPs for more details.

some limitations and biases, it will nevertheless allow REACH to conduct composite indicator and inter-sectoral analysis. Such inter-sectoral analysis would not be possible if the assessment were based entirely on KIIs.[22]

Determining strata population size
The following four datasets were used to determine the population size of each stratum:

- **Republic of Sudan Central Bureau of Statistics baseline population data**[23]: This dataset was used to establish overall population figures for Sudan. It is the same dataset used by IPC Sudan.
- **WorldPop Sudan population counts**[24]: This dataset was used to fill in gaps in the preceding dataset, as well as to disaggregate population data for localities which were presented with aggregate figures in the preceding dataset.
- **International Organisation for Migration IDP population data**[25]: This dataset was used to calculate IDP population figures.
- **UNHCR refugee population data**: This dataset was used to calculate refugee population figures.

As referenced above, the Central Bureau of Statistics' population dataset presented aggregate population figures for some localities (e.g., population figures for two or three localities were presented as one total number). These figures needed to be disaggregated, for the purpose of the MSNA. To do this, WorldPop data was used to estimate the relative difference in population size among the aggregated localities. Then, these proportions were applied to the aggregate total, splitting it among the affected localities.

Household survey sampling
Once the assessment strata's population sizes were calculated, the HH survey quotas were determined. HH survey quotas were determined first by setting an initial, minimum, indicative quota of 30 surveys, with a 10% buffer of 3 surveys, for a total minimum quota of 33 HH surveys. Specific quotas per stratum were determined proportionally, based on population size.

Individual respondent HHs will be selected using purposive and snowball sampling. Data collection partners will first approach key informants and compile a list of "seed" HHs. Seed HHs should represent a wide range of socioeconomic statuses. Starting with the seed HHs, partners will collect (as part of the HH survey) the names and contact information for additional, potential respondents, preferably within the same stratum. In this way, the sample will "snowball" from the original set of respondents, until the quota for the stratum is reached. For more details, please see Annex 1, Data Collection SOPs.

The table below summarises the HH survey sampling figures for this assessment. Localities are grouped under the state to which they belong, and states (and their totals are bolded). For the full HH survey sampling frame, please see Annex 3.

The final HH survey data will be weighted at the analysis stage, when calculating results by locality, state, population group and overall. This will help compensate for any unexpected variations in survey submissions (e.g., survey over-submission for some strata).

Please note that the household survey sampling frame represents the maximum number of HH surveys that may be selected. As previously noted, it is expected that some of the strata listed below will be transitioned to AoK KIIs midway through the data collection period. Therefore, although the maximum number of HH surveys is 15,924, the actual, final total is expected to be less.

Area of Knowledge Key Informant sampling
AoK KIs will be selected purposively by data collection partners, under the supervision of REACH, based on three main criteria:

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[22] IMPACT Initiatives, "Sampling Guidance Note," April 2020, pp. 48.

[23] Republic of Sudan Central Bureau of Statistics, "Population & Socio-economy: Baseline Population by Age and Sex," 1 January 2018. Available at: https://data.humdata.org/dataset/population-socio-economy-baseline-population-by-age-and-sex

[24] WorldPop, "Population counts," 2010. Available at: https://www.worldpop.org/doi/10.5258/SOTON/WP00256

[25] IOM Sudan, "IDP Population DTM IOM – Sudan," 29 February 2020. Available at: https://data.humdata.org/dataset/idp-population-dtm-iom-sudan

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- Recent, reliable knowledge of the stratum in question
- Preferably, special expertise in one of more sectors (e.g., Health, Education)
- Willingness to participate

For every stratum that is switched from the HH survey approach to AoK KIIs, there will be at least three AoK KIIs to ensure that data from any single KI can be triangulated. Partners will submit their proposed KIIs to REACH, which will ensure that these KIIs show an appropriate balance of gender and areas of expertise.

3.4.3 Tools

This assessment will rely on the following two data collection tools, which will be available in both English and Arabic:

- **HH survey tool:** The HH survey tool covers the sectors of Food Security & Livelihoods, Health, Nutrition, Emergency Shelter & NFIs, Protection and Education. Additionally, it includes modules on HH demographics and AAP. It is mostly in alignment with the 2020 set of globally standardized MSNA indicators, questions and response options. Where there are deviations from these global standards, these changes are intended to address specific data needs within the Sudan humanitarian community.
- **AoK KII tool:** This tool will be based on the HH survey tool. It will have most of the same indicators and question, but all questions will be posed from a stratum standpoint rather than a household standpoint. It is expected that some questions present in the HH survey tool will be too granular to include in the AoK KII tool; such questions will be excluded.

Both tools will be drafted by REACH, then circulated to OCHA, the ISCG and the sectors for comments. REACH will integrate any comments, ensuring that the final tool is compatible with Sudan sector needs and priorities.

3.4.4 Triangulation / briefing and debriefing of enumerators

Data collection partner focal points will be responsible for enumerator management, field logistics and communication with REACH. Partners will be responsible for selection, training, briefing and debriefing of enumerators, using the training materials and tools provided by REACH.

In addition to training materials, REACH will provide technical and quality oversight, timely feedback on submitted surveys, weekly Q&A sessions and any necessary ad hoc support (e.g., KoBoCollect troubleshooting). REACH's support will include the creation of a live data collection monitoring dashboard, as well as daily, emailed verification reports. REACH will communicate directly with partner focal points, and partner focal points will be responsible for cascading information to their enumerators. For more details, please see Annexes 1 and 2, Data Collection and Data Cleaning SOPs.

3.5 Data Processing & Analysis

3.5.1 Data entry and cleaning process

Data from the household surveys will be collected via the KoBo Toolbox platform, using the KoBoCollect Android application. Survey data will be uploaded from the field and stored on the KoBo server. Data checking and cleaning will take place every business day during the data collection period. This cleaning process will include the identification of outliers and logical inconsistencies, surveys that were submitted for the wrong strata and surveys that were completed in too little time. It will also include the correct categorisation of "other" responses, as well as the removal and / or replacement of incomplete or inaccurate records. Data cleaning and checking will also entail the deletion of surveys which contain discrepancies that cannot be verified. All changes to the dataset will be documented in an Excel data cleaning log which will be published as part of the final clean dataset package. Data checking will be streamlined as much as possible through an R script. The Database Officer will identify any issues in ongoing data collection whilst checking and cleaning data, and the Assessment Specialist and Assessment Officer will reach out to the designated contacts for enumerator teams and work through them to try and resolve any contradictory or problematic data points.

For more details on the data entry and cleaning process, please see Annex 2, Data Cleaning SOPs.

3.5.2 Data analysis process

Once the Data Analysis Plan (DAP) is finalised, the Data Officer will produce an R script that will automate the analysis process. Any additional, ad hoc analyses conducted during the production of the assessment outputs will also be produced in R. The final outputs are expected to be an online dashboard and a final report, and both will be based on this analysis. For the final report, composite indicators will also be constructed to determine the severity of needs by sector and across sectors. The methodology behind this component of the analysis will follow the REACH MSNA internal analysis framework guidance and will be documented in the final report.

4. Roles and responsibilities

Table 3: Description of roles and responsibilities

Task Description	Responsible	Accountable	Consulted	Informed
Research design	Assessment Specialist, Data Officer	Assessment Specialist	Country Coordinator, IMPACT Research team	OCHA, ISCG
Supervising data collection	Assessment Specialist, Data Officer, Assessment Officer	Assessment Specialist	Country Coordinator	OCHA, ISCG, IMPACT Research team
Data processing (checking, cleaning)	Data Officer, Assessment Officer	Data Officer	Country Coordinator, IMPACT Research team	OCHA, ISCG
Data analysis	Data Officer, Assessment Specialist, Assessment Officer	Assessment Specialist	Country Coordinator, IMPACT Research team	OCHA, ISCG
Output production	Assessment Specialist, Assessment Officer, Data Officer	Assessment Specialist	Country Coordinator, IMPACT Research team	OCHA, ISCG
Dissemination	Assessment Specialist, Assessment Officer, Data Officer	Country Coordinator	N/A	OCHA, ISCG, IMPACT Research team
Monitoring & Evaluation	Assessment Officer	Assessment Specialist	Country Coordinator	IMPACT Research team
Lessons learned	Assessment Specialist, Data Officer, Assessment Officer	Assessment Specialist	Country Coordinator	IMPACT Research team

Responsible: the person(s) who executes the task

Accountable: the person who validates the completion of the task and is accountable of the final output or milestone

Consulted: *the person(s) who must be consulted when the task is implemented*

Informed: *the person(s) who need to be informed when the task is completed*

5. Data Analysis Plan

Indicator risk categories:

- A – no identification risk; no mitigation required
- B – benefit identified and risk is mitigated: implement proposed mitigation
  - B1: deleted directly after verification/cleaning (e.g. key informant phone number)
  - B2: deleted after analysis/visualisation (e.g. GPS coordinates)
  - B3: stored (e.g. GPS coordinates of dataset that will be used as a baseline for future data collection)

Research questions	Research sub-questions	IN #	Data collection method	Indicator group / sector	Indicator / Variable	Questionnaire Question	Instructions	Questionnaire Responses	Data collection level	Sampling	Maps planned?	Risk status
N/A	N/A	N/A	HH interview AoK KII interview	Survey start-up	Enumerator organization	[For the enumerator] Please select your organisation	Select one	List of organizations	N/A	Non-probability (quota)		B1
			HH interview AoK KII interview		Enumerator ID	[For the enumerator] Please select your enumerator ID	Select one	List of enumerator IDs	N/A			B1
			HH interview AoK KII interview		Enumerator name	[For the enumerator] Please enter your first name	Enter text	[free text response]	N/A			B1
			HH interview AoK KII interview		Survey type	[For the enumerator] Is this a phone survey or face-to-face survey?	Select one	Phone Face-to-face	N/A			A
			HH interview AoK KII interview	Recording/ collecting phone numbers	Phone number of called person	[For the enumerator] Please log in the 10-digit-long phone number that you are calling.	Enter number	[integer length = 10]	N/A			B1
			HH interview AoK KII interview		Presumed displacement status of called person	[For the enumerator] To which population group does the respondent you are trying to reach presumably belong? (You will verify this later.)	Select one	Non-displaced Internally displaced Refugee Don't know	N/A			A (to delete after cleaning)

		HH interview AoK KII interview		Presumed state of residence of called person	[For the enumerator] In which state does the respondent you are trying to reach presumably live? (You will verify this later.)	Select one	List of states	N/A			A (to delete after cleaning)
		HH interview AoK KII interview		Presumed locality of residence of called person	[For the enumerator] In which locality does the respondent you are trying to reach presumably live? (You will verify this later.)	Select one	List of localities	N/A			A (to delete after cleaning)
		HH interview AoK KII interview	Status of attempt to call number	Call status	[For the enumerator] What was the outcome of your attempt to call this number?	Select one	Number not available/not working Number available/working but person did not answer phone Number available/working and person answered phone	N/A			A (to delete after cleaning)
		HH interview	Consent status	Consent status	Hello, my name is [enumerator name]. I am working with [agency name] on a survey that is being facilitated by the humanitarian community, including the United Nations and non-governmental organisations. We were given your number by one of your contacts who took the survey, on the understanding that you might be able to help us with our survey. The survey is happening all	Acknow ledge	[enumerator must check box after reading script]	Individual			A

| | | | | | | across the country to help update humanitarian organizations about what people need, so that appropriate help and assistance can be provided next year. However, no assistance will be provided based on participation or lack of participation in this survey. Participation in the survey is voluntary, and anyone can choose to stop at any time. No personal information will ever be shared, and your responses will be kept anonymous. The survey takes approximately 30 minutes, and your participation would be greatly appreciated. | | | | | | |
| | | *AoK KII interview* | | | | *Hello, my name is* [enumerator name].

I am working with [agency name] *on a survey that is being facilitated by the humanitarian community, including the United Nations and non-governmental organisations.*

The survey is happening all across the country to help update humanitarian organizations about what people need, so that | *Acknow ledge* | *[enumerator must check box after reading script]* | *Individual* | | | A |

				appropriate help and assistance can be provided next year. However, no assistance will be provided based on participation or lack of participation in this survey. Participation in the survey is voluntary, and anyone can choose to stop at any time. No personal information will ever be shared, and your responses will be kept anonymous. The survey takes approximately 30 minutes, and your participation would be greatly appreciated.				
HH interview AoK KII interview			*Could you spare some time and take the survey now?*	*Select one*	*Yes, I can participate now* *Yes, I want to participate but am not available right now* *No, I don't want to participate*	*Individual*		**A (to delete after cleaning)**
HH interview	*Recording/ collecting phone numbers*	*Willingness of people who do not want to participate to provide phone contacts of potential respondents*	*If no to participating right now, that's OK, I understand. Would you be willing to provide us with any contacts of other people outside your household who would be willing to participate?*	*Select one*	*Yes* *No*	*Individual*		**A (to delete after cleaning)**
HH interview		*Phone numbers of referred contacts*	*What is the phone number of the head of that household?*	*Enter number*	*[integer length = 10]*	*Individual*		**B1**
HH interview		*Gender of referred contacts*	*What is the gender of that person?*	*Select one*	*Male* *Female*	*Individual*		**B1**

			HH interview		Displacement status of referred contacts	What is the displacement status of that household?	Select one	Non-displaced Internally displaced Refugee Don't know	Individual			**B1**
			HH interview		State of residence of referred contacts	In which state do they live?	Select one	List of states	Individual			**B1**
			HH interview		Locality of residence of referred contacts	In which locality do they live?	Select one	List of localities	Individual			**B1**
			HH interview		Willingness of respondent to provide additional phone contacts	Would you be able to provide us with another phone number of a person living in Sudan that we could potentially interview?	Select one	Yes No	Individual			**B1**
			HH interview AoK KII interview	Rescheduling call	Willingness of people who do not want to participate now but maybe at a later date	If no to both participating right now, we may be collecting more data later this year. Would you be willing to participate then?	Select one	Yes No	Individual			**A (to delete after cleaning)**
			HH interview AoK KII interview		Willingness of people who do not want to participate now but later to participate some time next week	If no to participating right now but yes to participating later, would sometime next week be OK?	Select one	Yes No	Individual			**A (to delete after cleaning)**
			HH interview AoK KII interview		Willingness of people who do not want to participate now but maybe during the following weeks	Okay I understand. Would you be willing to participate another time during the following weeks?	Select one	Yes No	Individual			**A (to delete after cleaning)**
			HH interview AoK KII interview		Details of the preferred time for reschedulling the interview	[For the enumerator] Any other details about when they would be available? For example, if they are only available at a specific time of day, enter that here.	Enter text	[free text response]	Individual			**A (to delete after cleaning)**
			HH interview	Recording/ collecting	Willingness of people who want to participate to provide phone	One last thing before we begin: do you have any contacts who might also	Select one	Yes No	Individual			**A (to delete**

				phone numbers		*contacts of potential respondents*	*be willing to participate in this survey?*					**after cleaning)**
			HH interview		*Phone numbers of referred contacts*	*Thank you. What are the numbers of these contacts?*	*Enter number*	*[integer length = 10]*	*Individual*		**B1**
			HH interview AoK KII interview	*HH demographic data*	*GPS coordinates*	**[Face-to-face surveys only]** *Note: Take the GPS coordinates of this location now.*	*Geopoint*	*NA*	*N/A*		**B1**
			HH interview	*Respondent HoH confirmation*	*% of respondents that are head of household*	*Are you the head of your household?*	*Select one*	*Yes No*	*Individual*		**A**
			HH interview		*Willingness of respondents who are not head of household to respond on household's behalf*	*If no, are you willing and able to respond to questions on behalf of your household?*	*Select one*	*Yes No*	*Individual*		**A**
			HH interview AoK KII interview	*Respondent age confirmation*	*Confirmation of respondent being adult*	*Are you 18 years old or older?*	*Select one*	*Yes No*	*Individual*		**A**
What proportion of the population has pre-existing vulnerability? And how does this proportion differ based on: i. Locality? ii. Population group?	*What is the proportion of HHs whose head of household is a minor?*	*1.1*	*HH interview*	*HH demographic data*	*% of HHs with a HoH under the age of 18*	*How old is the head of your household? If you do not know exactly, an estimate is OK.*	*Enter number*	*[integer >0]*	*Household*	**Yes**	**A**
			AoK KII interview		*% of HHs with a HoH under the age of 18*	*What proportion of [population group] households in [locality] have a head of household who is under the age of 18?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*	**Yes**	**A**
	What is the proportion of HHs whose head of household is female?	*1.2*	*HH interview*		*% of HHs with a female HoH*	*Is the head of household male or female?*	*Select one*	*Male Female*	*Household*	**Yes**	**A**
			AoK KII interview		*% of HHs with a female HoH*	*What proportion of [population group] households in [locality] have a female head of household?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*	**Yes**	**A**

N/A	*N/A*	*1.3*	*HH interview AoK KII interview*		*% of female respondents*	*[For the enumerator] Note down respondent gender*	*Select one*	*Male Female*	*Individual*			*A*
		1.4	*HH interview*		*Median HH size*	*How many people live in your household, including yourself?*	*Enter number*	*[integer >0]*	*Household*		Yes	*A*
			AoK KII interview		*Mean HH size*	*What is the average household size among [population group] in [locality]?*	*Enter number*	*[integer >0]*	*Locality*		Yes	*A*
		1.5	*HH interview*		*Median HH roster [calculated based on looped age/gender input]* *hh_children* *hh_children_0_4* *hh_children_6_17* *hh_children_4_16* *hh_men* *hh_women* *hh_boys* *hh_girls* *hh_boys_0_3* *hh_girls_0_3* *hh_boys_4_5* *hh_girls_4_5* *hh_boys_6_9* *hh_girls_6_9* *hh_boys_10_13* *hh_girls_10_13* *hh_boys_14_16* *hh_girls_14_16* *hh_boys_15_17* *hh_girls_15_17* *hh_boys_5_15* *hh_girls_5_15* *hh_boys_5_17* *hh_girls_5_17* *hh_boys_6_17*	*Please tell me the age and gender of everyone who lives in your household. If you do not know exact ages, estimates are OK.*	*Select one; enter number*	*Gender: male/female/prefer not to answer* *Age: integer*	*Household*			*A*

					hh_girls_6_17 *hh_men_18_24* *hh_women_18_24* *hh_men_25-59* *hh_women_25-59* *hh_men_60_64* *hh_women_60_64* *hh_men_65_plus* *hh_women_65_plus*						Yes	A
What is the level of living standard gaps across the following sectors: Food Security and Livelihoods (FSL); Health; Nutrition; Water, Sanitation and Hygiene (WASH); Shelter and Non-food Items (Shelter & NFIs); Protection; and Education? And how does the level of living standard gap differ based	*What is the proportion of HHs with at least one child under the age of 18 who is not living with the HH, and what are the reasons for this situation?*	*1.6*	*HH interview*	*HH demographic data, Protection*	*% of HHs with at least one child under the age of 18 who is not living with the HH*	*How many children (sons or daughters) are under age 18 but are NOT living in your household? If all are living in the household, enter '0.'*	*Enter number*	*[integer >=0]*	*Household*		Yes	A
			AoK KII interview			*What proportion of [population group] households in [locality] have at least one child under the age of 18 who is not living with her/his household?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*		Yes	A
		1.7	*HH interview*		*% of HHs with at least one child under the age of 18 who is not living with the HH, by reason*	*If at least one child under age 18 is not living in your household, we would like to understand why those children are not living under your roof. Could you tell us why these children are not living in your household?*	*Enter number*	*Staying with relatives* *Married and left the house* *Left the house to seek employment* *Left the house to study* *Left the house to engage with the army or armed groups* *Kidnapped/abducted* *Missing (left and no news)* *Arbitrarily detained* *Prefer not to answer*	*Household*		Yes	A

on: i. Locality? ii. Population group?			*AoK KII interview*				*If at least some households among [population group] in [locality] have children who are not living with the household, we would like to understand why those children are not living under their household's roof. I will read a list of options. For each option, please state whether there are any children in the settlement who fall into each category.*	*Select multiple*	*Staying with relatives Married and left the house Left the house to seek employment Left the house to study Left the house to engage with the army or armed groups Kidnapped/abducted Missing (left and no news) Arbitrarily detained*	*Locality*		A
	What is the proportion of HHs hosting any children that have been separated from their parents or other typical adult caregivers?	**1.8**	*HH interview*		*% of HHs reporting member hosting any children that have been separated from their parents or other typical adult caregivers*		*Does your household include any children that have been orphaned or separated from their parents or other typical adult caregivers?*	*Select one*	*Yes No*	*Household*	Yes	A
			AoK KII interview				*What proportion of [population group] households in [locality] include children that have been orphaned or separated from their parents or other typical adult caregivers?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*	Yes	A
What proportion of the population has pre-existing vulnerability? And how does this proportion differ based	*What is the proportion of HHs with at least one member with a disability?*	**1.9**	*HH interview*	*HH demographic data, Health*	*% of HHs with at least one member who has difficulty seeing, hearing, speaking, walking, climbing steps, taking care of themselves (e.g., washing), remembering, or concentrating*		*Is there anyone in your household who has difficulty seeing, hearing, speaking, walking, climbing steps, taking care of themselves (e.g., washing), remembering, or concentrating? Please do not include very young household members, such as infants, for whom it is*	*Select one*	*Yes No*	*Household*	Yes	A

on: *i. Locality?* *ii. Population group?*						*normal that they should need assistance.*					
			AoK KII interview			*What proportion of [population group] households in [locality] has at least one member who has difficulty seeing, hearing, speaking, walking, climbing steps, taking care of themselves (e.g., washing), remembering, or concentrating? Please do not include households with very young members, such as infants, for whom it is normal that they should need assistance.*	*Enter number*	*[integer >=0 and <=100]*	*Locality*	Yes	A
N/A	*N/A*	*1.10*	*HH interview*	*HH demographic data*	*% of HHs by state of residence*	*What state does your household live in?*	*Select one*	*List of states*	*Household*	Yes	A
			AoK KII interview		*% of KIIs by state*	*As you know, you are answering questions for a specific locality about which you have special knowledge. Could you please confirm what state this locality is located in?*	*Select one*	*List of states*	*Individual*	Yes	A
		1.11	*HH interview*		*% of HHs by locality of residence*	*What locality does your household live in?*	*Select one*	*List of localities*	*Household*	Yes	A
			AoK KII interview		*% of KIIs by locality*	*And could you also please confirm the name of the locality for which you are answering questions?*	*Select one*	*List of localities*	*Individual*	Yes	A

		1.12	HH interview		% of HHs by settlement type	What type of settlement does your household live in?	Select one	City Village Camp Temporary, informal settlement Other (specify)	Household		Yes	A
			Secondary data (if available)			What proportion of households in this locality live in each of the following types of settlement?	Enter number	City Village Camp Temporary, informal settlement Other (specify)	Locality		Yes	A
		1.13	HH interview		% of IDP and refugee HHs by camp	If a camp, which camp? If there is no camp in this locality, this field is empty.	Select one	List of refugee and IDP camps	Household			A
			Secondary data (if available)			How many households live in each camp in this locality?	Enter number	List of refugee and IDP camps	Locality			A
			HH interview			If camp name not listed, what is the name of the camp?	Enter text	[free text response]	Household			A
		1.14	HH interview		% of HHs or KIIs by origin	Are your household members of Sudanese origin or naturalised Sudanese citizens? And if your household is from another country, did you come to Sudan as refugees?	Select one	Sudanese origin or naturalised Sudanese citizens Refugees from another country From another country but not refugees	Household			A
			AoK KII interview			Are you of Sudanese origin or a naturalised Sudanese citizen? And if you are from another country, did you come to Sudan as a refugee?	Select one	Sudanese origin or naturalised Sudanese citizens Refugees from another country From another country but not refugees	Individual			A

										A
			Secondary data (if available)			*What is the breakdown of the population in this locality by displacement type?*	*Enter number*	*Sudanese origin or naturalised Sudanese citizens Refugees from another country From another country but not refugees*	*Locality*	
		1.15	*HH interview*		*% of refugee HHs or KIIs by country of origin*	*If came to Sudan as refugees, what is your country of origin?*	*Select one*	*South Sudan Eritrea Chad Yemen Syria Ethiopia Central African Republic (CAR) Democratic Republic of the Congo (DRC) Other (specify)*	*Household*	A
			AoK KII interview			*If came to Sudan as refugees, what is your country of origin?*	*Select one*	*South Sudan Eritrea Chad Yemen Syria Ethiopia Central African Republic (CAR) Democratic Republic of the Congo (DRC) Other (specify)*	*Individual*	A

		Secondary data (if available)			*Among those who came to this locality as refugees, what is the breakdown of their country of origin?*	*Enter number*	*South Sudan* *Eritrea* *Chad* *Yemen* *Syria* *Ethiopia* *Central African Republic (CAR)* *Democratic Republic of the Congo (DRC)* *Other (specify)*	*Locality*	A
1.16	*HH interview*		*% of refugee HHs or KIIs having UNHCR refugee ID card*		*If came to Sudan as refugees, does your household have a UNHCR refugee ID card?*	*Select one*	*Yes* *No* *Don't know* *Prefer not to answer*	*Household*	A
	AoK KII interview				*If came to Sudan as a refugee, do you have a UNHCR refugee ID card?*	*Select one*	*Yes* *No* *Don't know* *Prefer not to answer*	*Individual*	A
1.17	*HH interview*		*% of Sudanese HHs or KIIs currently displaced*		*If your household is of Sudanese origin or naturalised Sudanese, has your household been displaced from your habitual residence by an event (e.g., violence or natural disaster) since 2003 and forced to seek safety in another village, neighborhood, camp or gathering site? And if so, are you still displaced?*	*Select one*	*Yes, household has been displaced since 2003 and is still displaced* *Yes, household was displaced since 2003 but is no longer displaced* *No, household has not been displaced since 2003*	*Household*	A

										A
		AoK KII interview			*If you are of Sudanese origin or a naturalised Sudanese citizen, have you been displaced from your habitual residence by an event (e.g., violence or natural disaster) since 2003 and forced to seek safety in another village, neighborhood, camp or gathering site? And if so, are you still displaced?*	*Select one*	*Yes, household has been displaced since 2003 and is still displaced* *Yes, household was displaced since 2003 but is no longer displaced* *No, household has not been displaced since 2003*	*Individual*			A
		Secondary data (if available)			*What proportion of Sudanese households in this locality have been displaced from their habitual residence by an event (e.g., violence or natural disaster) since 2003 and forced to seek safety in another village, neighbourhood, camp or gathering site? And what proportion are still displaced?*	*Enter number*	*Yes, household has been displaced since 2003 and is still displaced* *Yes, household was displaced since 2003 but is no longer displaced* *No, household has not been displaced since 2003*	*Locality*			A
1.18	*HH interview*		*% of IDP HHs or KIIs by state of origin*	*If yes, what is your household's state of origin?*	*Select one*	*List of states*	*Household*			A
	AoK KII interview			*If yes, what is your state of origin?*	*Select one*	*List of states*	*Individual*			A
1.19	*HH interview*		*% of IDP HHs or KIIs by locality of origin*	*If yes, what is your household's locality of origin?*	*Select one*	*List of localities*	*Household*			A
	AoK KII interview			*If yes, what is your locality of origin?*	*Select one*	*List of localities*	*Individual*			A

		1.20	*AoK KII interview*	*AoK survey criteria*	*AoK survey criteria*	*We are going to ask you a series of questions about [population group] households in [locality]. We understand that you probably do not know the exact answers to all of these questions. That is OK. What we need from you is simply your best estimate based on the knowledge that you have.*	*Acknow ledge*	*[enumerator must check box after reading script]*	*Individual*		A
What is the level of impact of the crisis? And how does the level of impact differ based on: i. Locality? ii. Population group?	*What is the proportion of HHs that faced challenges obtaining enough money to meet their needs in the 30 days prior to data collection?*	*2.1*	*HH interview*	*Cash & Markets*	*% of HHs that faced challenges in obtaining enough money to meet their needs in the 30 days prior to data collection*	*Did your household face any challenges obtaining enough money to meet its needs during the past 30 days?*	*Select one*	*Yes No Don't know Prefer not to answer*	*Househol d*	Yes	A
			AoK KII interview			*What proportion of [population group] households in [locality] faced challenges obtaining enough money to meet their needs in the past 30 days?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*		A
	What is the proportion of HHs that experienced a shock in the 6 months prior to data collection, what were these shocks, and did the households sell any assets	*2.2*	*HH interview*	*Food Security*	*% of HHs that experienced a shock in the 6 months prior to data collection*	*Did your household experience any difficulties or shocks in the past 6 months? A difficulty or shock can be any external event that your household experienced which resulted in a loss or disruption of income, livelihood, food and/or other essential needs.*	*Select one*	*Yes No Don't know Prefer not to answer*	*Househol d*	Yes	A

| | *due to these shocks?* | | *AoK KII interview* | | | *What proportion of [population group] households in [locality] experienced difficulties or shocks in the past 6 months? A difficulty or shock can be any external event that a household experienced which resulted in a loss or disruption of income, livelihood, food and/or other essential needs.* | *Enter number* | *[integer >=0 and <=100]* | *Locality* | | | A |

		2.3	HH interview		Among HHs that experienced a shock in the 6 months prior to data collection, % of HHs by type of shock	If yes, what were these shocks? Note: Do not read the list of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.	Select multiple	Loss of or reduced employment for any household member Reduced income of any household member COVID-19 Serious illness (other than COVID-19) or accident resulting in injury for any household member Death of a working adult household member Disease outbreak in the community Unusually high food prices Unusually high prices of fuel/transport and other non-food prices Drought/irregular rains, prolonged dry spell Too much rain, flooding Locusts Unusually high level of crop pests (other than locusts) and crop disease Livestock disease outbreak Insecurity/violence/raiding/looting Non-violent theft/criminals Other (specify)	Household		Yes	A

| | | | | *AoK KII interview* | | | | *I will read a list to you. Please say which of the following types of shocks affected [population group] households in [locality] in the past 6 months?* | *Select multiple* | *None* *Loss of or reduced employment for any household member* *Reduced income of any household member* *COVID-19* *Serious illness (other than COVID-19) or accident resulting in injury for any household member* *Death of a working adult household member* *Disease outbreak in the community* *Unusually high food prices* *Unusually high prices of fuel/transport and other non-food prices* *Drought/irregular rains, prolonged dry spell* *Too much rain, flooding* *Locusts* *Unusually high level of crop pests (other than locusts) and crop disease* *Livestock disease outbreak* *Insecurity/violence/raiding/looting* *Non-violent theft/criminals* *Other (specify)* | *Locality* | | | A |

		2.4	*HH interview*		*Among HHs that experienced a shock in the 6 months prior to data collection, % of HHs that sold assets to cope with this shock*	*If yes, did your household sell any assets (including livestock, jewelry, furniture or electronics) due to this shock(s)? If you sold assets for reasons other than the shock(s), for example because selling livestock is your primary source of income, then please do not include that here.*	*Select one*	*Yes No Don't know Prefer not to answer*	*Household*		Yes / A
			AoK KII interview			*Among households that were affected by shocks in the past 6 months, what proportion of them sold any assets (including livestock, jewelry, furniture or electronics) due to these shocks? If they sold assets for reasons other than the shocks, for example because selling livestock is their primary source of income, then please do not include that here.*	*Enter number*	*[integer >=0 and <=100]*	*Locality*		A
What is the level of living standard gaps across the following sectors: Food Security and Livelihoods (FSL); Health; Nutrition; Water, Sanitation	*What proportion of HHs have poor or borderline food consumption scores? And what proportion of HHs rely on unsustainable food sources?*	*2.5*	*HH interview*		*Food Consumption Score (Sudan version)*	*On how many days in the past 7 days has your household eaten the following food items, and what was the main source of each food item consumed? Food source codes (do not read to respondent): 1 = Own production (e.g., crops, animals) 2 = Fishing / hunting 3 = Gathering*	*Enter number*	*Number of days when the food was eaten last week: (0-7) Food source: (1-10)*	*Household*		Yes / A

and Hygiene (WASH); Shelter and Non-food Items (Shelter & NFIs); Protection; and Education? And how does the level of living standard gap differ based on: *i. Locality?* *ii. Population group?*						*4 = Loan* *5 = Market (purchase on cash)* *6 = Market (purchase on credit)* *7 = Beg for food* *8 = Exchange labor or items for food* *9 = Gift (food) from family/relatives* *10 = Food aid (e.g., NGOs, WFP)* *Food Items:* *1. Cereal (e.g., sorghum, millet, wheat, bread, maize and rice)* *2. Legumes/nuts (e.g., beans, cowpeas, peanuts, lentils)* *3. Milk and other dairy products (e.g., fresh milk, yogurt, cheese)* *4. Meat, fish and egg (e.g., beef, goat, chicken, fish, tuna) (dry meat not included in this group)* *4.1 Flesh meat (e.g., beef, lamb, goat, chicken)* *4.2 Organ meat (e.g., liver, kidney, heart)* *4.3 Fish/shellfish (e.g., fish, tuna) (not as a condiment)* *4.4 Eggs* *5. Vegetables and leaves (e.g., spinach, onions, tomatoes, carrots, peppers, green beans, lettuce) (does include dried vegetables)*				

					5.1 Orange vegetables (e.g., carrots, red peppers, orange sweet potatoes, pumpkin) *5.2 Dried vegetables (e.g., dried okra, dried tomatoes, dried onions)* *5.3 Dark green leafy vegetables (e.g., spinach, other dark green leaves)* *6. Fruits (e.g., bananas, apples, lemons, mangos, papayas, watermelons, honey melons)* *6.1 Orange fruits (e.g., mangos, papayas, apricots, peaches)* *7. Cooking oil/fats* *8. Sugar or sweets (e.g., sugar, honey, jam, cakes, candy)* *9. Condiments / spices (e.g., tea, coffee, salt, garlic, dried meat or fish as condiment)*			
		AoK KII interview		*Most reported foods consumed regularly by MOST HHs*	*In the last 7 days, what types of food were REGULARLY eaten by MOST [population group] households in [locality]?*	*Select multiple*	*Cereal (e.g., sorghum, millet, wheat, bread, maize and rice)* *Legumes/nuts (e.g., beans, cowpeas, peanuts, lentils)* *Milk and other dairy products (e.g., fresh milk, yogurt, cheese)* *Meat, fish and egg (e.g., beef, goat, chicken, fish, tuna) (dry meat not included in this*	*Locality*

						group) *Vegetables and leaves (e.g., spinach, onions, tomatoes, carrots, peppers, green beans, lettuce) (does include dried vegetables)* *Fruits (e.g., bananas, apples, lemons, mangos, papayas, watermelons, honey melons)* *Cooking oil/fats* *Sugar or sweets (e.g., sugar, honey, jam, cakes, candy)* *Condiments / spices (e.g., tea, coffee, salt, garlic, dried meat or fish as condiment)*					
To what extent do households use food-related coping mechanisms? And how does the use of food-related coping mechanisms differ based on: *i. Locality?* *ii. Population group?*	*What coping strategies do HHs use in order to cope with a lack of food?*	*2.6*	*HH interview*		*Reduced Coping Strategy Index (rCSI)*	*In the past 7 days, if there have been times when you did not have enough food or money to buy food, on how many days has your household had to…* *…rely on less preferred and less expensive food?* *…limit portion sizes at meals?* *…restrict consumption by adults in order for small children to eat?* *…reduce number of meals eaten in a day?* *…borrow food or rely on help from friends or relatives?*	*Enter number*	*[integer >=0 and <8]*	*Household*		Yes	A

			AoK KII interview		*Most commonly used strategies by HHs to cope with a lack of food*	*In the past 7 days, if there was not enough food among [population group] households in [locality], which of the actions on this list did ANY [population group] household take to make their food last longer?*	*Select multiple*	*None* *Rely on less preferred and less expensive food* *Limit portion sizes at meals* *Restrict consumption by adults in order for small children to eat* *Reduce number of meals eaten in a day* *Borrow food or rely on help from friends or relatives*	*Locality*			A
What is the level of living standard gaps across the following sectors: Food Security and Livelihoods (FSL); Health; Nutrition; Water, Sanitation and Hygiene (WASH); Shelter and Non-food Items (Shelter & NFIs); Protection; and Education? And how does the level of living	*What is the average monthly HH income, food expenditure, and health expenditure in SDG?*	**2.7**	*HH interview*	*Food Security, Cash & Markets*	*Median income in the 30 days prior to data collection (including responses of zero)*	*How much income in Sudanese pounds was generated by the household in the past 30 days? Please include all income sources. If you received income in multiple currencies, please give the equivalent total in Sudanese pounds. If you are not certain of the exact amount, an estimate is OK.*	*Enter number*	*Number*	*Household*		Yes	A
			AoK KII interview		*Mean income in the 30 days prior to data collection*	*What was the average amount of income (in Sudanese pounds) generated per [population group] household in [locality], in past 30 days?*	*Enter number*	*Number*	*Locality*			A
		2.8	*HH interview*		*Median food expenditure share in the 30 days prior to data collection (including responses of zero)*	*How much in Sudanese pounds did the household spend on all purchases of food in the past 30 days? If you purchased food in multiple currencies, please give the equivalent total in*	*Enter number*	*Number*	*Household*		Yes	A

standard gap differ based on: *i. Locality?* *ii. Population group?*						*Sudanese pounds. If you are not certain of the exact amount, an estimate is OK.*					
			AoK KII interview		*Mean food expenditure share in the 30 days prior to data collection*	*What was the average amount of money (in Sudanese pounds) spent per [population group] household in [locality] on food, in the past 30 days?*	*Enter number*	*Number*	*Locality*		A
		2.9	*HH interview*	*Food Security, Health, Cash & Markets*	*Median health care expenditure share in the 30 days prior to data collection (including responses of zero)*	*How much in Sudanese pounds did the household spend on all healthcare in the past 30 days? If you spent money on healthcare in multiple currencies, please give the equivalent total in Sudanese pounds. If you are not certain of the exact amount, an estimate is OK.*	*Enter number*	*Number*	*Househol d*	Yes	A
			AoK KII interview		*Mean health care expenditure share in the 30 days prior to data collection*	*What was the average amount of money (in Sudanese pounds) spent per [population group] household in [locality] on health care, in the past 30 days?*	*Enter number*	*Number*	*Locality*		A
	What proportion of HHs can access primary health care within one hour's walk from their dwellings?	**3.1**	*HH interview*	*Health*	*% of HHs that can access primary healthcare within one hour's walk from their dwellings*	*If you started at your home and walked to the nearest healthcare facility, how long would it take?*	*Select one*	*Less than 15 minutes* *Between 15 minutes and 1 hour* *More than 1 hour* *Prefer not to answer*	*Househol d*	Yes	A
			AoK KII interview			*What proportion of [population group] households in [locality] can walk to the nearest*	*Enter number*	*[integer >=0 and <=100]*	*Locality*		A

					healthcare facility within one hour's time or less?					
	What is the proportion of HHs that attempted to access health care (including medicines) in the 3 months prior to data collection, and what were the main access barriers?	**3.2**	*HH interview*		*% of HHs that attempted to access health care (including medicines) in the 3 months prior to data collection*	*Has anyone in your household attempted to access health services or treatment, including medicines, in the past 3 months?*	*Select one*	*Yes No Prefer not to answer*	*Household*	Yes	A
			AoK KII interview			*Are health services or treatment, including medicines, available to the MAJORITY of [population] households in [locality] when needed?*	*Select one*	*Yes No Prefer not to answer*	*Locality*		A
		3.3	*HH interview*		*Among HHs that attempted to access health care in the 3 months prior to data collection, % of HHs that had to pay for it*	*If yes, did your household have to pay for these services/treatment or medicines?*	*Select one*	*Yes No Prefer not to answer*	*Household*	Yes	A
			AoK KII interview			*Do the MAJORITY of [population group] households in [locality] that attempt to access health services or treatment, including medicines, have to pay for it?*	*Select one*	*Yes No Prefer not to answer*	*Locality*		A
		3.4	*HH interview*		*Among HHs that had to pay for health care in the 3 months prior to data collection, % of HHs by type of service*	*If yes, what services did you pay for?*	*Select multiple*	*Consultation (to see the doctor) Treatment procedure Medicines Lab analysis*	*Household*	Yes	A
			AoK KII interview			*What health services or treatment, including medicines, did ANY [population group] household in [locality] have to pay for in the past 3 months? I will read a list of services. Please say*	*Select multiple*	*None Consultation (to see the doctor) Treatment procedure Medicines Lab analysis*	*Locality*		A

						"yes" to the services that had to be paid for.				
		3.5	*HH interview*		*Among HHs that attempted to access health care in the 3 months prior to data collection, % of HHs that experienced barriers to accessing this health care*	*If yes, did your household encounter any difficulties accessing these health services or treatment?*	*Select one*	*Yes* *No* *Prefer not to answer*	*Household*	Yes	A
			AoK KII interview			*Among [population group] households in [locality] that attempted to access health services or treatment, including medicines, in the past 3 months, what proportion encountered difficulties in accessing these health services or treatment?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*		A
		3.6	*HH interview*		*Among HHs that attempted to access health care in the 3 months prior to data collection and experienced barriers, % of HHs by type of barrier*	*If yes, what were these difficulties?* *Note: Do not read the list of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select multiple*	*Cost of services and/or medicine was too high / cannot afford to pay* *Absence/shortage of qualified health workers at the health facility* *High cost of transportation to health facilities* *Health facility is too far away* *Health facility is not easily accessible for people who have difficulty (e.g., disability)* *Do not have trust in the health workers at*	*Household*	Yes	A

								the facility due to concerns about privacy or being mistreated Lack of trust in health workers other reasons (e.g., health worker skill level) Travel to health facility is not safe / security concerns Specific people are being discriminated against when visiting the health facility *Lack of medicines at the health facility Treatment for my condition/disease is not available at health facility Health facility is overcrowded Health facility has long waiting times Other (specify)*				
		AoK KII interview			*What barriers to accessing health care did ANY [population group] household in [locality] experience in the past 3 months? I will read a list of barriers. Please say "yes" to the ones that apply.*	*Select multiple*	*None Cost of services and/or medicine was too high / cannot afford to pay Absence/shortage of qualified health workers at the health facility High cost of transportation to health facilities Health facility is too*	*Locality*			A

| | | | | | | | *far away*
Health facility is not easily accessible for people who have difficulty (e.g., disability)
Do not have trust in the health workers at the facility due to concerns about privacy or being mistreated Lack of trust in health workers other reasons (e.g., health worker skill level)
Travel to health facility is not safe / security concerns
Specific people are being discriminated against when visiting the health facility

Lack of medicines at the health facility
Treatment for my condition/disease is not available at health facility
Health facility is overcrowded
Health facility has long waiting times
Other (specify) | | | |

	What were the most common places of delivery, among HH women who had given birth in the 2 years prior to data collection?	**3.7**	*HH interview*		*Among HHs with a woman/girl who gave birth in the 2 years prior to data collection, % by place of delivery*	*If one or more women in your household have given birth in the last 2 years, where did the most recently pregnant woman deliver her baby?*	*Select one*	*Not applicable (no woman in household has given birth in the last two years) At home alone At home with non-professional care (e.g., untrained or traditional midwife) At home with professional care (e.g., trained midwife or doctor) In a health facility Other (specify)*	*Household*	**Yes**	A
			AoK KII interview		*Most common place for delivery in the 2 years prior to data collection*	*Among [population group] households in [locality] over the past 2 years, what was the most common place for women to deliver their babies?*	*Select one*	*At home alone At home with non-professional care (e.g., untrained or traditional midwife) At home with professional care (e.g., trained midwife or doctor) In a health facility Other (specify)*	*Locality*		A
	What proportion of HHs has at least one child aged 6-59 months enrolled in a therapeutic feeding program, and among these, what proportion also	**4.1**	*HH interview*	*Nutrition*	*% of HHs with at least one child aged 6-59 months enrolled in a therapeutic feeding program*	*Have any children between the ages of 6 months and 5 years old in this household been diagnosed with malnutrition and provided with either sachets of a peanut butter-like product or therapeutic biscuits, to be used at home?*	*Select one*	*Yes No Don't know Prefer not to answer*	*Household*	**Yes**	A

received micronutrient powder?			*AoK KII interview*			*Do the MAJORITY of [population group] households in [locality] that have children between the ages of 6 months and 5 years receive either sachets of a peanut-butter-like product or therapeutic biscuits, to be used at home?*	*Select one*	*Yes* *No* *Don't know* *Prefer not to answer*	*Locality*		A
	4.2		*HH interview*		*Among HHs with at least one child aged 6-59 months enrolled in a therapeutic feeding program, % that received micronutrient powder*	*If yes, were any of these children also provided with sachets of either Vitamino or a powder to be added to the children's cooked food?*	*Select one*	*Yes* *No* *Don't know* *Prefer not to answer*	*Household*	Yes	A
What proportion of HHs rely exclusively on breastfeeding for their children between the ages of 0-6 months?	**4.3**		*HH interview*		*Among HHs with at least one woman who has given birth in the 2 years prior to data collection, % that relied exclusively on breastfeeding between the ages of 0-6 months*	*If a woman in the household has given birth in the last two years, for how long was the child breastfed? If there has been more than one child born in the last two years, please respond for a child that is at least six months old.*	*Select one*	*Child was never breastfed* *Child was breastfed for less than 6 months* *Child was breastfed for 6-12 months* *Child was breastfed for more than 12 months* *Don't know* *Prefer not to answer*	*Household*	Yes	A
			AoK KII interview			*I will read you a list of options related to breastfeeding for children between 6 months and 2 years old. Please choose the option that is most common among [population group] households in [locality].*	*Select one*	*Child was never breastfed* *Child was breastfed for less than 6 months* *Child was breastfed for 6-12 months* *Child was breastfed for more than 12 months*	*Locality*		A

								Don't know *Prefer not to answer*				
		4.4	*HH interview*			*If a woman in the household has given birth in the last two years, what was the child given to eat or drink between the ages of 0 and 6 months? If there has been more than one child born in the last two years, please respond for the same child as in the previous question.*	*Select multiple*	*Breastfeeding* *Bottle feeding* *Other foods or drinks* *Don't know* *Prefer not to answer*	*Household*		Yes	A
			AoK KII interview			*I will read you a list of options related to feeding children between 0 and 6 months old. Please select the options that are most common among* *[population group]* *households in [locality].*	*Select multiple*	*Breastfeeding* *Bottle feeding* *Other foods or drinks* *Don't know* *Prefer not to answer*	*Locality*			A
What proportion of HHs have access to an improved, functioning source of drinking water?		*5.1*	*HH interview*	*WASH*	*% of HHs that have access to an improved source of drinking water*	*What is the main source of water used by your household for drinking?* *Note: Do not read the list of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select one*	*Public tap/standpipe* *Handpumps/borehole s* *Protected well* *Unprotected well* *Water seller/kiosks* *Piped connection to house (or neighbor's house)* *Protected spring*	*Household*		Yes	A

			AoK KII interview						*Unprotected spring* *Rain water collection* *Bottled water, water sachets* *Tanker trucks* *Surface water (lake, pond, dam, river)* *Other (specify)* *Don't know* *Prefer not to answer*			
			AoK KII interview				*What proportion of [population group] households in [locality] use an unprotected well, unprotected spring, or surface water (lake, pond, dam, river) as their main source of drinking water?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*		A
		5.2	*HH interview*		*% of HHs whose primary source of drinking water is functioning at the time of data collection*	*And is your household's main source of drinking water functioning right now?*	*Select one*	*Yes* *No* *Don't know* *Prefer not to answer*	*Househol d*	Yes	A
			AoK KII interview			*What proportion of [population group] households in [locality] are having problems because their main source of drinking water is not functioning right now?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*		A
	What proportion of HHs have problems related to access to or the quality of water, and what are these problems?	*5.3*	*HH interview*		*% of HHs that have problems related to access to or quality of water*	*Does your household have any problems related to water?*	*Select one*	*Yes* *No* *Don't know* *Prefer not to answer*	*Househol d*	Yes	A
			AoK KII interview			*What proportion of [population group] households in [locality] have problems related to water?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*		A

												Yes	A
				HH interview		*Among HHs that have problems related to access or quality of water, % of HHs by type of problem*	*If yes, what are these problems related to water?* *Note: Do not read the list of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select multiple*	*Water points are too far* *Water points are difficult to reach (for reasons other than distance)* *Fetching water is a dangerous activity* *Some groups or types of people do not have access to the water points* *Insufficient number of water points / waiting time at water points is too long* *Water points are not functioning* *Water is not available at the market* *Water is too expensive* *Cannot get enough water to meet all needs* *Do not have enough containers to store the water* *Do not like the taste / quality of the water* *Other (specify)*	*Household*			
				AoK KII interview			*I will read a list to you. Please say which of the following problems related to water are experienced by ANY [population group] households in [locality]?*	*Select multiple*	*Water points are too far* *Water points are difficult to reach (for reasons other than distance)* *Fetching water is a dangerous activity* *Some groups or*	*Locality*			A

								types of people do not have access to the water points Insufficient number of water points / waiting time at water points is too long Water points are not functioning Water is not available at the market Water is too expensive Cannot get enough water to meet all needs Do not have enough containers to store the water Do not like the taste / quality of the water Other (specify)				Yes	A
		HH interview				*If water points are too far, how long does it take your household to collect water?*	*Select one*	*Less than 20 minutes 20-40 minutes 40-60 minutes More than 60 minutes*	*Household*			Yes	A
	What is the proportion of HHs that have access to a functional and improved sanitation facility?	**5.4**	*HH interview*			*% of HHs that have access to a functional and improved sanitation facility*	*What kind of sanitation facility, such as a latrine or toilet, does your household usually use?* *Note: Do not read the lists of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select one*	*Flush or pour/flush toilet Pit latrine with a slab and platform Pit latrine without a slab or platform Open hole Bucket toilet Plastic bag Hanging toilet/latrine None of the above, open defecation*	*Household*		Yes	A

					Other (specify) *Prefer not to answer*				
		AoK KII interview			*What proportion of [population group] households in [locality] have access to either a toilet or a pit latrine?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*	A
What is the proportion of HHs that have access to soap?	**5.5**	*HH interview*		*% of HHs that have access to soap*	*Does your household have any soap? This can be any kind of bar soap, liquid soap, powder detergent, or soapy water.*	*Select one*	*Yes* *No* *Don't know* *Prefer not to answer*	*Househol d*	Yes A
		AoK KII interview			*What proportion of [population group] households in [locality] have access to soap? This can be any kind of bar soap, liquid soap, powder detergent, or soapy water.*	*Enter number*	*[integer >=0 and <=100]*	*Locality*	A

										Yes	A
What proportion of HHs have access to a safe and healthy housing enclosure unit?	**6.1**	*HH interview*	*Shelter/NFI*	*% of HHs that have access to a safe and healthy housing enclosure unit*	*What type of shelter does the household live in?* *Note: Do not read the list of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select one*	*Permanent / finished house or apartment Unfinished / non-enclosed building Collective shelter Tent Emergency shelter None (sleeping in open) Other (specify) Prefer not to answer*	*Household*		Yes	A
		AoK KII interview			*What proportion of [population group] households in [locality] live in a permanent/finished house or apartment?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*			A
What proportion of HHs live in shelters that meet agreed technical and performance standards?	**6.2**	*HH interview*		*% of HHs whose shelter solutions meet agreed technical and performance standards*	*Does the shelter currently have any damage or problems?*	*Select one*	*Yes No Prefer not to answer*	*Household*		Yes	A
		AoK KII interview			*What proportion of [population group] households in [locality] live in a shelter that has damage or problems?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*			A
	6.3	*HH interview*		*Among HHs whose shelter solutions do not meet agreed technical and performance standards, % of HHs by type of damage or defect*	*If yes, what are these damages or problems?* *Note: Do not read the list of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select multiple*	*Opening or cracks in roof Roof partially collapsed Broken or cracked windows Exterior doors broken / unable to shut properly Exterior doors or windows missing Large cracks / openings in most walls Some cracks in some walls*	*Household*		Yes	A

				Some walls fully collapsed *Damaged floors* *Severe structural damage and unsafe for living* *Total structural collapse* *Foundation/floor damaged or shifted* *Gas, water or sewage system damaged* *Electricity supply line damaged and not functional* *Other (specify)*			
AoK KII interview		*Most common types of damage or defect to shelters*	*What types of shelter damage are most commonly faced by the MAJORITY of* **[population group]** *households in* **[locality]**?	*Select multiple*	*Opening or cracks in roof* *Roof partially collapsed* *Broken or cracked windows* *Exterior doors broken / unable to shut properly* *Exterior doors or windows missing* *Large cracks / openings in most walls* *Some cracks in some walls* *Some walls fully collapsed* *Damaged floors* *Severe structural damage and unsafe for living* *Total structural*	*Locality*	A

							collapse *Foundation/floor damaged or shifted* *Gas, water or sewage system damaged* *Electricity supply line damaged and not functional* *Other (specify)*			Yes	A
What is the proportion of HHs that have access to vital HH NFIs?	**6.4**	*HH interview*		*% of HHs that have access to vital HH NFIs*	*Which of the following items does your household own?* *Note: Read the list of reply options to respondent and mark the ones to which they respond "yes."*	*Select multiple*	*Mattresses / sleeping mats / other types of beds* *Kitchen Sets* *Jerry cans* *Torches / solar lamps* *Mosquito nets* *Heating/cooking fuel*	*Household*	Yes	A
		AoK KII interview		*Most common types of NFIs owned by HHs*	*I will read a list of items. Please tell me which of the following items the MAJORITY of [population group] households in [locality] normally own?*		*None* *Mattresses / sleeping mats / other types of beds* *Kitchen Sets* *Jerry cans* *Torches / solar lamps* *Mosquito nets* *Heating/cooking fuel*	*Locality*		A
What proportion of HHs have experienced movement restrictions, and what were the reasons for these restrictions?	**7.1**	*HH interview*	*Protection*	*% of HHs that have experienced movement restrictions in the 6 months prior to data collection*	*In the last 6 months, have any members of your HH faced restrictions when moving around your camp/settlement/village/locality/state?*	*Select one*	*Yes* *No* *Don't know* *Prefer not to answer*	*Household*	Yes	A
		AoK KII interview			*In the last 6 months, what proportion of [population group] households in [locality] have faced restrictions when moving around the*	*Enter number*	*[integer >=0 and <=100]*	*Locality*		A

							camp/settlement/village/lo cality/state?					
		7.2	*HH interview*			*Among HHs that have experienced movement restrictions in the 6 months prior to data collection, % of HHs by type of restriction*	*If yes, what were these restrictions?*	*Select multiple*	*Road closures COVID-related lockdown Other government-imposed lockdown (not COVID-related) Fear for safety and/or security Did not have appropriate civil documents to move freely Unable to afford travel Discrimination because of my displacement status Discrimination because of other reasons Other (specify) Don't know Prefer not to answer*	*Househol d*	Yes	A
			AoK KII interview			*Most common reasons for movement restrictions*	*What were the reasons for these movement restrictions?*	*Select multiple*	*Road closures COVID-related lockdown Other government-imposed lockdown (not COVID-related) Fear for safety and/or security Did not have appropriate civil documents to move freely*	*Locality*		A

							Unable to afford travel Discrimination because of my displacement status Discrimination because of other reasons Other (specify) Don't know Prefer not to answer				
	What proportion of HHs has experienced safety or security incidents in the 3 months prior to data collection?	**7.3**	*HH interview*		*% of HHs that have experienced safety or security incidents affecting HH members in the 3 months prior to data collection*	*In the past 3 months, have any members of your household been affected by a safety or security incident?*	*Select one*	*Yes No Don't know Prefer not to answer*	*Househol d*		**Yes**	A
			AoK KII interview			*In the past 3 months, what proportion of [population group] households in [locality] have been affected by one or more safety or security incidents?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*			A
		7.4	*HH interview*		*Among HHs that have experienced safety or security incidents affecting HH members in the 3 months prior to data collection, % of HHs by type of victim*	*If yes, which of the following types of members of your household were affected: men, women, boys and girls?*	*Select multiple*	*Men aged 18 years or older Women aged 18 years or older Boys aged 0-17 years Girls aged 0-17 years*	*Househol d*		**Yes**	A
			AoK KII interview		*Most common types of victim of safety and security incidents*	*In these security incidents, who was affected? I.e., men, women, boys or girls? Or a combination?*	*Select multiple*	*Men aged 18 years or older Women aged 18 years or older Boys aged 0-17 years Girls aged 0-17 years*	*Locality*			A

	What proportion of HHs have at least one member who has recently experienced signs of psychological distress, and what signs did they experience?	*7.5*	*HH interview*		*% of HHs with at least one member who has shown signs of psychological distress in the 3 months prior to data collection*	*Have any members of your household has shown the following signs of psychological distress in the past 3 months?*	*Select multiple*	*Withdrawal from family and friends Anger or aggressive outbursts Excessive crying Changes in appetite or eating habits Upset stomach or vague stomach pain Headaches Nightmares or sleep disturbances New or recurring fears (e.g., fear of the dark, fear of being alone, fear of strangers) Startled easily Unwilling to let you out of sight Substance use/abuse Bedwetting No one in household has experienced any of these signs of distressDon't know Prefer not to answer*	*Househol d*	Yes	A
	What proportion of HHs have at least one member who lacks at least one type of civil documentation?	*7.6*	*HH interview*		*% of HHs in which some members do not have at least one type of civil documentation, such as a passport, national ID or birth certificate, at the time of data collection*	*Are any household members missing at least one form of civil documentation, such as a passport, national ID card, nationality certificate, birth certificate, marriage/divorce certificate, death certificate or other document at this time?*	*Select one*	*Yes No Don't know Prefer not to answer*	*Househol d*	Yes	A

		AoK KII interview			*What proportion of [population group] households in [locality] have at least one member who is missing a form of civil documentation? Examples of types of civil documentation are passports, national ID cards, nationality certificates, birth certificates, marriage/divorce certificates and death certificates.*	*Enter number*	*[integer >=0 and <=100]*	*Locality*			A
	7.7	*HH interview*		*% of men, women, boys and girls that do not have at least one type of civil documentation, such as a passport, national ID or birth certificate, at the time of data collection*	*If yes, how many men, women, boys and girls are missing a form of civil documentation?*	*Enter number*	*Men aged 18 years or older Women aged 18 years or older Boys aged 0-17 years Girls aged 0-17 years*	*Household*		Yes	A
What proportion of HHs have housing, land and property issues, and what are these issues?	**7.8**	*HH interview*	*Protection, Shelter/NFI*	*% of HHs that have housing, land and property issues*	*Has your household recently had any issues with your house or land? For example, any problems around ownership, renting or inheritance?*	*Select one*	*Yes No Don't know Prefer not to answer*	*Household*		Yes	A
		AoK KII interview			*What proportion of [population group] households in [locality] have recently had issues with their houses or land? For example, any problems around ownership, renting or inheritance?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*			A

		7.9	*HH interview*		*Among HHs that have housing, land and property issues, % of HHs by type of issue*	*If yes, what are these problems related to your house or land?* *Note: Do not read the lists of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select multiple*	*Disputed ownership Property unlawfully occupied by others Disputes about rent (including payment) between landlord and tenant Rules and processes on housing and land not clear Inheritance issues Lack or loss of housing land tenancy or ownership documents Looting of private property Threat of eviction/harassment by landlord or others Other (specify)*	*Househol d*		Yes	A
			AoK KII interview		*Most common housing, land and property issues*	*What problems related to houses or land have the MAJORITY of [population group] households in [locality] experienced?*	*Select multiple*	*Disputed ownership Property unlawfully occupied by others Disputes about rent (including payment) between landlord and tenant Rules and processes on housing and land not clear Inheritance issues Lack or loss of housing land tenancy or ownership documents Looting of private property Threat of eviction/harassment*	*Locality*			A

							by landlord or others *Other (specify)*				
		7.10	*HH interview*		*% of HHs that have housing, land and property issues*	*[Will only be asked of IDP and refugee HHs]* *If yes, do these problems relate to your house or land in your area of origin, the area where you are living now, or to both?*	*Select one*	*Area of origin* *Area where currently living* *Both area of origin and area where currently living* *Other (specify)*	*Household*		**Yes**	**A**
			AoK KII interview			**[Will only be asked of IDP and refugee stratum]** *Do these problems relate to the house or land of* **[population group]** *households in their area of origin, the area where these* **[population group]** *households are living now, or to both?*	*Select one*	*Area of origin* *Area where currently living* *Both area of origin and area where currently living* *Other (specify)*	*Locality*			**A**
What proportion of HHs have been impacted by landmines and/or Explosive Remnants of War (ERW), and what type(s) of support are needed by the victims/survivors?		*7.11*	*HH interview*	*Protection*	*% of HHs with at least one member who is a landmine and/or Explosive Remnants of War (ERW) victim/survivor*	*Has any member of your household ever had an accident with a landmine or explosive remnant of war?*	*Select one*	*Yes* *No* *Don't know* *Prefer not to answer*	*Household*		**Yes**	**A**
			AoK KII interview			*What proportion of* **[population group]** *households in* **[locality]** *have ever had an accident with a landmine or explosive remnant of war?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*			**A**
		7.12	*HH interview*		*Among HHs with at least one member who is a landmine and/or Explosive Remnants of War (ERW) victim/survivor, % of HHs with victims who need support*	*If yes, does s/he need support?*	*Select one*	*Yes* *No* *Don't know* *Prefer not to answer*	*Household*		**Yes**	**A**

		7.13	HH interview		Among HH with ERW victims who need support, % of HHs by type of support	If yes, what type of support?	Select multiple	Psychosocial Economic Assistive device Other (specify) Don't know Prefer not to answer	Household		Yes	A
			AoK KII interview		Most common types of support needed by victims/survivors of landmines and explosive remnants of war?	What type(s) of support are needed by these victims?	Select multiple	None Psychosocial Economic Assistive device Other (specify) Don't know Prefer not to answer	Locality			A
		7.14	HH interview		% of HHs impacted by contamination from landmines and/or Explosive Remnants of War (ERW)	Are there any landmines or explosive remnants of war near to or within any of the areas that you normally live, work, or use? (E.g., village, road/route, animal grazing area, hospital, water source, school, farm)	Select one	Yes No Don't know Prefer not to answer	Household		Yes	A
			AoK KII interview			What proportion of [population group] households in [locality] live in, work in or use areas that contain landmines or explosive remnants of war? (These areas may be, e.g., villages, roads/routes, animal grazing areas, hospitals, water sources, schools or farms.)	Enter number	[integer >=0 and <=100]	Locality			A

		7.15	*HH interview*		*Among HHs impacted by contamination from landmines and/or Explosive Remnants of War (ERW), % of HHs by type of affected area*	*If yes, what type(s) of areas are affected?*	*Select multiple*	*Residences Road/route Animal grazing area Farm Forest Hospital Water source Market Other (specify) Don't know Prefer not to answer*	*Household*		Yes	A
			AoK KII interview		*Most common types of areas impacted by contamination from landmines and/or explosive remnants of war*	*What types of areas are affected?*	*Select multiple*	*None Residences Road/route Animal grazing area Farm Forest Hospital Water source Market Other (specify) Don't know Prefer not to answer*	*Locality*			A
		7.16	*HH interview*		*Among HHs impacted by contamination from landmines and/or Explosive Remnants of War (ERW), % of HHs with HH members who received awareness raising on ERW*	*If yes, has any member of your household received awareness raising on landmines and explosive remnants of war?*	*Select one*	*Yes No Don't know Prefer not to answer*	*Household*		Yes	A
			AoK KII interview			*What proportion of [population group] households in [locality] have received awareness raising on landmines and explosive remnants of war?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*			A

	What proportion of HHs have women and/or girls who avoided areas in their current location because they felt unsafe going there?	**7.17**	*HH interview*		*% of HHs with women and/or girls who avoided areas in their current location because they felt unsafe, in the 6 months prior to data collection*	*In the past 6 months, did any women or girls in your HH avoid certain areas within your current location because they felt unsafe going there?*	*Select one*	*Yes No Don't know Prefer not to answer*	*Household*	Yes	A
			AoK KII interview			*What proportion of [population group] households in [locality] have women or girls who avoid certain areas in their current location because they felt unsafe going there?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*		A
	What proportion of respondents are aware of services or programs available in their community that are specifically for women?	**7.18**	*HH interview AoK KII interview*		*% of respondents aware of services or programs available in their community that are specifically for women*	*Are you aware of any services or programs available in this location that are specifically for women?*	*Select one*	*Yes No Prefer not to answer*	*Individual*	Yes	A
		7.19	*HH interview*		*Among HHs aware of services or programs available in their community that are specifically for women, % of HHs by type of service*	*If yes, what type(s) of services are available* *Note: Do not read the lists of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select multiple*	*Awareness raising on reducing exposure to violence against women Referring and linking women and girls to different response services Counselling and group support services Health services for women and girls that sustained violence Safety and security services (for example by police) for women and girls that sustained violence Legal counselling and aid services for*	*Household*	Yes	A

								women and girls that sustained violence Provision of menstrual hygiene management products and protection items Livelihood support Other (specify)					
			AoK KII interview			*Most common types of services or programs that are specifically for women*	*What type(s) of services are available, if any?*	*Select multiple*	*None Awareness raising on reducing exposure to violence against women Referring and linking women and girls to different response services Counselling and group support services Health services for women and girls that sustained violence Safety and security services (for example by police) for women and girls that sustained violence Legal counselling and aid services for women and girls that sustained violence Provision of menstrual hygiene management products and protection items Livelihood support Other (specify)*	*Locality*			A

What proportion of respondents would report a case of violence against a woman or girl if they heard of it?	**7.20**	*HH interview AoK KII interview*		*% of respondents that say that if they heard of a case of violence against a woman or girl, they would report it*	*If you heard about a case of violence against a woman or girl occurring, would you report the case?*	*Select one*	*Yes No Prefer not to answer*	*Individual*		Yes	A
	7.21	*HH interview AoK KII interview*		*Among respondents that say that if they heard of a case of violence against a woman or girl, they would report it, % of respondents by preferred addressee for reporting*	*If yes, to whom would you report it?*	*Select multiple*	*Police Community leader Teacher Midwife Health staff Social worker NGO staff UN staff Other (specify)*	*Individual*		Yes	A
What proportion of HHs have school-aged children (6-17 years) who were engaged in any child labour outside of the home in the 6 months prior to data collection?	**7.22**	*HH interview*		*% of HHs with boys and/or girls aged 6-17 years who were engaged in any child labour outside of the home, in the 6 months prior to data collection*	*[Will only be asked of HHs that have >=1 child aged 6-17 years] In the past 6 months, have any school-aged children (6-17) been involved in any of the following activities? Note: Read the list to the respondent and select the answer options to which they respond 'yes.'*	*Select multiple*	*Helping on household plot, farm or with animals Helping in family's or relative's business, either with or without pay Producing or selling articles, handicrafts, clothes, food or agricultural products Any other activities in return for income, cash or in-kind None/not applicable*	*Household*		Yes	A
		AoK KII interview		*Most common types of child labour outside of the home in the 6 months prior to data collection*	*In the past 6 months, have ANY [population group] households in [locality] had school-aged children (6-17 years) involved in any of the following activities? Note: Read the list to the respondent and select the*	*Select multiple*	*Helping on household plot, farm or with animals Helping in family's or relative's business, either with or without pay Producing or selling articles, handicrafts, clothes, food or agricultural products*	*Locality*			A

					answer options to which they respond 'yes.'		*Any other activities in return for income, cash or in-kind None/not applicable*			Yes	A
	7.23	*HH interview*		*% of boys and/or girls aged 6-17 years who were engaged in any child labour outside of the home, in the 6 months prior to data collection*	*[Will only be asked of HHs that have >=1 child aged 6-17 years] If yes to any of the previous options, how many boys and how many girls?*	*Enter number*	*Boys aged 6-17 years Girls aged 6-17 years*	*Househol d*		Yes	A
What is the proportion of HHs that have children who were attending school regularly during the 2019-2020 school year before the schools were closed on 15 March 2020 due to COVID-19?	*8.1*	*HH interview*	*Education*	*Among HHs with children aged 4-16 years, % of HHs that have children who were attending school regularly (at least 4 days per week) during the 2019-2020 school year before the schools were closed on 15 March 2020 due to COVID-19*	*[Will only be asked of HHs that have >=1 child aged 4-16 years] During the current school year (2019-2020), how many school-aged children in the household attended school regularly (at least 4 days per week) BEFORE schools were closed on 15 March 2020?*	*Enter number*	*Boys aged 4-5 years Girls aged 4-5 years Boys aged 6-9 years Girls aged 6-9 years Boys aged 10-13 years Girls aged 10-13 years Boys aged 14-16 years Girls aged 14-16 years*	*Househol d*		Yes	A
		AoK KII interview			*During the current school year (2019-2020), what proportion of [population group] households with school-aged children in [locality] had children who were attending school regularly BEFORE schools were closed on 15 March 2020?*	*Enter number*	*[integer >=0 and <=100]*	*Locality*			A

What proportion of HHs has children at risk of drop-out, and why?	8.2	*HH interview*		*Among HHs with children aged 4-16 years, % of HHs that have children who were attending school during the 2019-2020 school year and are at increased risk of drop-out due to school closures related to COVID-19*	*[Will only be asked of HHs that have >=1 child aged 4-16 years who was attending school regularly] When schools re-open, will your children return to school, or (if schools have already re-opened) have your children returned to school?*	*Select one*	*Yes No Don't know Prefer not to answer*	*Household*		Yes	A
	8.3	*HH interview*		*Among HHs with children aged 4-16 years who will not return to school, % of HHs by reason for not returning to school*	*[Will only be asked of HHs that have >=1 child aged 4-16 years who was attending school regularly] If not, why will they not return or (if schools have already re-opened) have they not returned to school?* *Note: Do not read the lists of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select up to three*	*Risk of COVID-19 transmission at school Risk of COVID-19 transmission when travelling to school Can no longer afford to send children to school Children have started working instead Children prefer to stay at home Other (specify) Don't know Prefer not to answer*	*Household*		Yes	A
		AoK KII interview		*Most common reasons for not returning children aged 4-16 to school*	*According to you, what are the TOP THREE reasons why [population group] households with school-aged children in [locality] might NOT send their children back to school when it re-opens? Or if schools have already re-opened, what do you think are the TOP THREE reasons why did they NOT send them back?*	*Select up to three*	*None / not applicable Risk of COVID-19 transmission at school Risk of COVID-19 transmission when travelling to school Can no longer afford to send children to school Children have started working instead Children prefer to*	*Locality*			A

						stay at home Other (specify) Don't know Prefer not to answer				
What proportion of HHs were capable of providing, and actually did provide, at-home education support to children after schools were closed due to COVID-19 on 15 March 2020?	*8.4*	*HH interview*		*Among HHs with children aged 4-16 years who were attending school regularly prior to the school closures on 15 March 2020, % of HHs whose children are continuing learning activities remotely*	*[Will only be asked of HHs that have >=1 child aged 4-16 years who was attending school regularly] Have any children in your household been following or trying to follow their school curriculum remotely since leaving school? Following or trying to follow means trying to learn their lessons outside of the school setting. If schools have already re-opened, please answer for the period when they were closed.*	*Select one*	*Yes No Don't know Prefer not to answer*	*Household*	Yes	A
		AoK KII interview			*What proportion of [population group] households with school-aged children in [locality] followed or tried to follow their school curriculum remotely after the schools closed in March 2020? Following or trying to follow means trying to learn their lessons outside of the school setting. If schools have already re-opened, please answer for the period when they were closed.*	*Enter number*	*[integer >=0 and <=100]*	*Locality*		A

			8.5	HH interview		Among HHs whose children are continuing learning activities remotely, % of HHs by type of learning activity	[Will only be asked of HHs that have >=1 child aged 4-16 years who was attending school regularly] If yes, how?	Select multiple	Online live classes with teachers (video / audio) Radio classes Audio/MP3 classes Learning app on phone/tablet Online materials School textbooks Reading books Additional paper-based learning materials Other (specify) Don't know Prefer not to answer	Household		Yes	A
				AoK KII interview		Most common continuing learning activities	How did the MAJORITY of **[population group]** households with school-aged children in **[locality] follow or try to follow** their school curriculum remotely after the schools closed in March 2020? I will read a list. Please choose all that apply.	Select multiple	None / not applicable Online live classes with teachers (video / audio) Radio classes Audio/MP3 classes Learning app on phone/tablet Online materials School textbooks Reading books Additional paper-based learning materials Other (specify) Don't know Prefer not to answer	Locality			A
			8.6	HH interview		Among HHs with children aged 4-16 years who were attending school regularly prior to the school closures on 15 March 2020, % HHs	[Will only be asked of HHs that have >=1 child aged 4-16 years who was attending school regularly] Are caregivers/parents/older siblings in the household	Select one	Yes No Don't know Prefer not to answer	Household		Yes	A

			with parents, caregivers or older siblings who are able to support home-based learning	*available and able to support children's learning at home?*			
8.7	*HH interview*		*Among HHs with parents, caregivers or older siblings who are able to support home-based learning, % of HHs by type of support*	*[Will only be asked of HHs that have >=1 child aged 4-16 years who was attending school regularly] If yes, how?*	*Select multiple*	*Reading with children Telling stories / singing songs Playing educational games Full-time tutoring Part-time tutoring Answering questions Other (specify) Don't know Prefer not to answer*	*Household*	Yes	A
	AoK KII interview		*Most common types of education support given by parents, caregivers or older siblings who are able to support home-based learning*	*What types of at-home learning support do caregivers/parents/older siblings give to school-aged children within [population group] households in [locality]? I will read a list. Please choose all that apply.*	*Select multiple*	*None Reading with children Telling stories / singing songs Playing educational games Full-time tutoring Part-time tutoring Answering questions Other (specify) Don't know Prefer not to answer*	*Locality*		A
8.8	*HH interview*		*Among HHs with children aged 4-16 years who were attending school regularly prior to the school closures on 15 March 2020, % of HHs by highest level of education of any HH member*	*[Will only be asked of HHs that have >=1 child aged 4-16 years who was attending school regularly] What is the highest level of education completed by the most-educated member of the household?*	*Select one*	*None Primary school Secondary school Vocational degree (training on specific craft or job, for e.g. IT, electrician, carpenter, mechanic, cooking, sewing, etc.) Tertiary degree (university degree e.g. bachelor,*	*Household*	Yes	A

								master) *Don't know* *Prefer not to answer*					
				AoK KII interview		*Most common highest HH education level*	*For the MAJORITY of [population group] households in [locality], what is the highest level of education of any household member?*	*Select one*	*None* *Primary school* *Secondary school* *Vocational degree (training on specific craft or job, for e.g. IT, electrician, carpenter, mechanic, cooking, sewing, etc.)* *Tertiary degree (university degree e.g. bachelor, master)* *Don't know* *Prefer not to answer*	*Locality*			A
			8.9	*HH interview*		*Among HHs with children aged 4-16 years who were attending school regularly prior to the school closures on 15 March 2020, % with access to technologies for remote learning at home*	*[Will only be asked of HHs that have >=1 child aged 4-16 years who was attending school regularly] Do the school-aged children in your household have access to the following technology / devices?*	*Select multiple*	*Radio* *Television* *Computer / tablet* *Smartphone* *Mobile phone (non-smart phone, SMS and calls)* *WhatsApp* *Social media (not WhatsApp)* *Don't know* *Prefer not to answer*	*Household*		Yes	A
				AoK KII interview		*Most common technologies for remote learning to which school-aged children have access*	*For the MAJORITY of [population group] households in [locality], to what technology/devices do the school-aged children have access?*	*Select multiple*	*None* *Radio* *Television* *Computer / tablet* *Smartphone* *Mobile phone (non-*	*Locality*			A

								smart phone, SMS and calls) WhatsApp Social media (not WhatsApp) Don't know Prefer not to answer			
N/A	*N/A*	**9.1**	*HH interview*	*Cash & Markets, AAP*	*Top three self-reported priority needs, by % of HHs per type of need*	*In your opinion, what are your household's top three needs right now?* *Note: Do not read the lists of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select three*	*Household does not have any needs Cash: Physical cash Cash via bank transfer Cash via prepaid cards Cash via mobile money Livelihoods support / employment Drinking water Food: (in-kind assistance) Healthcare Shelter / housing Education for children under 18 Seeds or other agricultural inputs Hygiene NFIs (e.g., soap, sanitary pads) or sanitation services (e.g., latrines) Help repaying debt Psychosocial support Other (specify) Don't know Prefer not to answer*	*Household*		Yes	A
			AoK KII interview		*Most common priority needs*	*For the MAJORITY of [population group] households in [locality],*	*Select three*	*Locality does not have any needs Cash: Physical cash Cash via bank*	*Locality*		A

					what are the TOP THREE needs?		*transfer* *Cash via prepaid cards* *Cash via mobile money* *Livelihoods support / employment* *Drinking water* *Food: (in-kind assistance)* *Healthcare* *Shelter / housing* *Education for children under 18* *Seeds or other agricultural inputs* *Hygiene NFIs (e.g., soap, sanitary pads) or sanitation services (e.g., latrines)* *Help repaying debt* *Psychosocial support* *Other (specify)* *Don't know* *Prefer not to answer*				
	9.2	*HH interview*	*AAP*	*Among HHs that would like to receive humanitarian assistance in the future, % of HHs by preferred information source*	*If household has one or more needs, from whom or where would your household prefer to receive information about help for these needs?* *Note: Do not read the lists of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select one*	*Community leader* *Places of worship* *Government officials* *Friends/ family members* *Aid workers from the United Nations* *Aid workers from International NGOs* *Aid workers from local NGOs or Civil Society Organisations (CSOs)* *Printed materials*	*Household*		Yes	

						Options					
								Information desk/kiosk Mobile phone Community clubs/committees Other (specify) Don't know Prefer not to answer			
			AoK KII interview			*If [population group] households in [locality] have one or more needs, from whom or where would these households prefer to receive information about help for these needs?* *Note: Do not read the lists of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select one*	*There are no needs / do not want to receive information Community leader Places of worship Government officials Friends/ family members Aid workers from the United Nations Aid workers from International NGOs Aid workers from local NGOs or Civil Society Organisations (CSOs) Printed materials Information desk/kiosk Mobile phone Community clubs/committees Other (specify) Don't know Prefer not to answer*	*Locality*		A
		9.3	*HH interview AoK KII interview*			*% of respondents aware of people who may be unable to access available information about humanitarian*	*Are you aware of any people who may be unable to access available information about assistance because of specific needs?*	*Select one*	*Yes No Prefer not to answer*	*Individual*	Yes	A

					assistance because of their specific needs					
		9.4	*HH interview AoK KII interview*		*Among respondents aware of people who may be unable to access available information about humanitarian assistance because of their specific needs, % of respondents by type of barrier to accessing information*	*If yes, why were they unable to access available information?*	*Select multiple*	*Unable to read or write Physical disability Hearing impairment Lack of access to radio/television Lack of access to mobile phone Discrimination Other (specify)*	*Individual*		Yes	A
		9.5	*HH interview AoK KII interview*		*% of respondents that are aware that they should not have to pay to receive humanitarian assistance*	*What do you think about people asking households to pay to receive aid? Is it OK?*	*Select one*	*Yes, it's OK. No, it's not OK. Whether or not it's OK depends on the circumstances. Don't know Prefer not to answer*	*Individual*		Yes	A
		9.6	*HH interview*		*% of respondents by preferred means of providing feedback to aid providers about the quality, quantity and appropriateness of aid*	*How would your household prefer to give feedback to aid agencies about the aid (quality, quantity and/ or appropriateness) you are receiving?* *Note: Do not read the lists of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select multiple*	*Face to face at home with aid worker Face to face in office or other venue with aid worker Face to face with government official Face to face with community leader/focal point Face to face with another member of the settlement Complaints/ suggestions box Phone call*	*Household*		Yes	A

							SMS *WhatsApp message* *Social media (e.g. Twitter or Facebook)* *E-mail* *Letter* *Other (specify)*			
		AoK KII interview			*How would [population group] households in [locality] prefer to give feedback to aid agencies about the aid (quality, quantity and/ or appropriateness) they are receiving?* *Note: Do not read the lists of reply options. Allow the respondent to speak and then choose the reply option(s) that best fit their response.*	*Select multiple*	*Face to face at home with aid worker* *Face to face in office or other venue with aid worker* *Face to face with government official* *Face to face with community leader/focal point* *Face to face with another member of the settlement* *Complaints/ suggestions box* *Phone call* *SMS* *WhatsApp message* *Social media (e.g. Twitter or Facebook)* *E-mail* *Letter* *Other (specify)*	*Locality*	Yes	A

6. Data Management Plan

Detailed data management plan (DMP) is available upon request.

6. Monitoring & Evaluation Plan

IMPACT Objective	External M&E Indicator	Internal M&E Indicator	Focal point	Tool	Will indicator be tracked?
Humanitarian stakeholders are accessing IMPACT products	Number of humanitarian organisations accessing IMPACT services/products Number of individuals accessing IMPACT services/products	# of downloads of dataset and final report from Resource Centre	Country request to HQ	User_log	X Yes
		# of downloads of dataset and final report from Relief Web	Country request to HQ		X Yes
		# of page clicks on dataset, final report and online dashboard product from REACH global newsletter	Country request to HQ		X Yes
IMPACT activities contribute to better program implementation and coordination of the humanitarian response	Number of humanitarian organisations utilizing IMPACT services/products	# references in HPC documents (HNO, SRP, Flash appeals, Cluster/sector strategies)	Country team	Reference_log	2021 Sudan HNO 2021 Sudan HRP Sector strategy documents TBD
		# references in single agency documents			
Humanitarian stakeholders are using IMPACT products	Humanitarian actors use IMPACT evidence/products as a basis for decision making, aid planning and delivery Number of humanitarian documents (HNO, HRP, cluster/agency strategic plans, etc.) directly informed by IMPACT products	Perceived usefulness and influence of IMPACT outputs	Country team	Usage_Feedback *and* Usage_Survey template	Satisfaction survey to be conducted on all MSNA outputs in early 2021, following the release of the MSNA final report and online dashboard, targeting all sectors, IMWG members and data collection partners, as well as any other relevant humanitarian actors
		Perceived capacity of IMPACT staff			
		Perceived quality of outputs/programs			
		Recommendations to strengthen IMPACT programs			
Humanitarian stakeholders are engaged in IMPACT	Number and/or percentage of humanitarian organizations directly	# of organisations providing resources (i.e., staff, vehicles, meeting space, budget, etc.) for activity implementation	Country team	Engagement_log	X Yes

programs throughout the research cycle	contributing to IMPACT programs *(providing resources, participating to presentations, etc.)*	# of organisations/clusters inputting in research design and joint analysis			X Yes
		# of organisations/clusters attending briefings on findings;			X Yes

ANNEX 1: DATA COLLECTION STANDARD OPERATING PROCEDURES

ANNEX 2: DATA CLEANING STANDARD OPERATING PROCEDURES

ANNEX 3: HOUSEHOLD SURVEY SAMPLING FRAME

Household survey sampling frame				
State and locality	Population group quotas			
	IDP	Non-displaced	Refugees	Total
Abyei PCA		**33**		**33**
Abyei PCA area		33		33
Aj Jazirah		**1,192**	**264**	**1,456**
Al Hasahisa		201	33	234
Al Kamlin		133	33	166
Al Manaqil		189	33	222
Al Qurashi		114	33	147
Janub Al Jazirah		185	33	218
Medani Al Kubra		141	33	174
Sharg Al Jazirah		155	33	188
Um Algura		74	33	107
Blue Nile		**310**	**66**	**376**
Al Kurmuk		40		40
Ar Rusayris		50	33	83
At Tadamon – BN		33		33
Baw		43		43
Ed Damazine		78	33	111
Geisan		33		33
Wad Al Mahi		33		33
Central Darfur	**236**	**402**	**66**	**704**
Azum		33		33
Bendasi	33	33		66
Gharb Jabal Marrah	33	55		88
Mukjar	33	33		66
Shamal Jabal Marrah	33	41		74
Um Dukhun	33	33	33	99
Wadi Salih	33	72		105
Wasat Jabal Marrah		34		34
Zalingi	38	68	33	139
East Darfur	**33**	**308**	**264**	**605**
Abu Jabrah		33	33	66
Abu Karinka		37	33	70
Ad Du'ayn	33	33	33	99
Adila		33	33	66
Al Firdous		33	33	66
Assalaya		33	33	99
Bahr Al Arab		40	33	106
Shia'ria		33		33
Yassin		33	33	66
Gedaref		**579**	**66**	**645**
Al Butanah		33		33
Al Fao		75		75
Al Fashaga		33	33	66
Al Galabat Al Gharbyah - Kassab		39		39

Household survey sampling frame				
State and locality	**Population group quotas**			
	IDP	**Non-displaced**	**Refugees**	**Total**
Al Mafaza		33		33
Al Qureisha		33		33
Ar Rahad		58		58
Basundah		33		33
Gala'a Al Nahal		33		33
Galabat Ash-Shargiah		48		48
Madeinat Al Gedaref		114	33	147
Wasat Al Gedaref		47		47
Kassala		**596**	**132**	**728**
Halfa Aj Jadeedah		66	33	99
Madeinat Kassala		98	33	131
Reifi Aroma		34		34
Reifi Gharb Kassala		33		33
Reifi Hamashkureib		79		79
Reifi Kassla		51		51
Reifi Khashm Elgirba		33	33	66
Reifi Nahr Atbara		45		45
Reifi Shamal Ad Delta		33		33
Reifi Telkok		91		91
Reifi Wad Elhilaiw		33	33	99
Khartoum		**1,881**	**242**	**2,123**
Bahri		207	33	240
Jebel Awlia		339	44	383
Karrari		263	33	296
Khartoum		226	33	259
Sharg An Neel		301	33	334
Um Bada		357	33	390
Um Durman		188	33	221
North Darfur	**310**	**650**	**66**	**1,026**
Al Fasher	107	106	33	246
Al Koma		33		33
Al Lait	33	33	33	99
Al Malha		33		33
As Serief		33		33
At Tawisha		33		33
At Tina		33		33
Dar As Salam	33	33		66
Kebkabiya		38		38
Kelemando		33		33
Kernoi		33		33
Kutum	33	44		77
Melit	33	33		66
Saraf Omra		33		33
Tawila	38	33		71
Um Baru	33	33		66

Household survey sampling frame			
State and locality	Population group quotas		
	IDP	Non-displaced	Refugees	Total
Um Kadadah		33		33
North Kordofan		**478**	**99**	**577**
Ar Rahad		37	33	70
Bara		43		43
Gebrat Al Sheikh		54		54
Gharb Bara		41		41
Sheikan		126	33	159
Soudari		63		63
Um Dam Haj Ahmed		33		33
Um Rawaba		81	33	114
Northern		**274**	**66**	**340**
Ad Dabbah		46		46
Al Burgaig		33	33	66
Al Golid		33		33
Delgo		33		33
Dongola		48		48
Halfa		33		33
Merwoe		48	33	81
Red Sea		**423**	**66**	**489**
Agig		33		33
Al Ganab		33		33
Dordieb		33		33
Hala'ib		33		33
Haya		71		71
Jubayt Elma'aadin		33		33
Port Sudan		70	33	103
Sawakin		33	33	66
Sinkat		43		43
Tawkar		41		41
River Nile		**378**	**99**	**477**
Abu Hamad		33		33
Ad Damar		89	33	122
Al Buhaira		33		33
Al Matama		48		48
Atbara		42	33	75
Barbar		48		48
Shendi		85	33	118
Sennar		**460**	**198**	**658**
Abu Hujar		46	33	79
Ad Dali		33	33	66
Ad Dinder		67	33	100
As Suki		74	33	107
Sennar		105	33	138
Sharg Sennar		81		81
Sinja		54	33	87

Household survey sampling frame				
State and locality	**Population group quotas**			
	IDP	**Non-displaced**	**Refugees**	**Total**
South Darfur	**607**	**948**	**264**	**1,819**
Al Radoum		35	33	68
Al Wihda	33	33		66
As Salam – SD	33	33	33	99
As Sunta		33		33
Beliel	145	62	33	240
Buram		38	33	71
Damso		38	33	71
Ed Al Fursan	33	55		88
Gereida	33	38		71
Kas	33	51		84
Kateila	33	33	33	99
Kubum	33	48		81
Mershing	33	33		66
Nitega	33	33		66
Nyala Janoub	33	82	33	148
Nyala Shimal	33	85		118
Rehaid Albirdi	33	51		84
Sharg Aj Jabal		33		33
Shattaya		33		33
Tulus	33	68		101
Um Dafoug	33	33	33	99
South Kordofan	**264**	**599**	**264**	**1,127**
Abassiya	33	35		68
Abu Jubayhah	33	39	33	105
Abu Kershola		33		33
Al Leri		33	33	66
Al Quoz		33	33	66
Ar Rashad	33	63	33	129
Ar Reif Ash Shargi	33	33		66
At Tadamon – SK		33	33	66
Delami		33		33
Dilling	33	33	33	99
Ghadeer		33		33
Habila – SK	33	33	33	99
Kadugli	33	132	33	198
Talawdi	33	33		66
West Darfur	**175**	**288**	**33**	**496**
Ag Geneina	36	57	33	126
Beida	33	33		66
Foro Baranga	33	33		66
Habila – WD	33	33		66
Jebel Moon		33		33
Kereneik	40	33		73
Kulbus		33		33

Household survey sampling frame			
State and locality	**Population group quotas**		
	IDP	**Non-displaced**	**Refugees**	**Total**
Sirba		33		33
West Kordofan	**297**	**504**	**429**	**1,230**
Abu Zabad	33	33	33	99
Abyei	33	33	33	99
Al Dibab		33	33	66
Al Idia		47	33	80
Al Khiwai		33	33	66
Al Lagowa	33	33	33	99
Al Meiram		33	33	66
An Nuhud	33	59	33	125
As Salam – WK	33	33	33	99
As Sunut	33	33	33	99
Babanusa	33	33	33	99
Ghubaish	33	34	33	100
Keilak	33	33	33	99
Wad Bandah		34		34
White Nile		**652**	**99**	**751**
Ad Diwaim		98		98
Aj Jabalain		78	33	111
Al Gitaina		81		81
As Salam / Ar Rawat		74	33	140
Guli		69		69
Kosti		86	33	152
Rabak		80		80
Tendalti		47		47
Um Rimta		39		39
Grand Total	**1,922**	**11,054**	**2,783**	**15,759**