

Research Terms of Reference

[Nigeria MSNA]

[NGA1804]

[Nigeria]

[26 July 2018]

[Version 2]

REACH Informing
more effective
humanitarian action

1. Executive Summary

Country of intervention	Nigeria		
Type of Emergency	<input type="checkbox"/> Natural disaster	<input checked="" type="checkbox"/> Conflict	
Type of Crisis	<input type="checkbox"/> Sudden onset	<input type="checkbox"/> Slow onset	<input checked="" type="checkbox"/> Protracted
Mandating Body/ Agency	Intersector Working Group		
Project Code	35iAGQ		
Overall Research Timeframe (from research design to final outputs / M&E)	1 May 2018 to 28 Sept 2018		
Research Timeframe Add planned deadlines (for first cycle if more than 1)	1. Start collect data: 23 June 2018	4. Data sent for validation: 10 Aug 2018	
	2. Data collected: 4 Aug 2018	5. Outputs sent for validation: 1 Sept 2018	
	3. Data analysed: 10 Aug 2018	6. Outputs published: 28 Sept 2018	
Number of assessments	<input checked="" type="checkbox"/> Single assessment (one cycle)		
	<input type="checkbox"/> Multi assessment (more than one cycle)		
Humanitarian milestones Specify what will the assessment inform and when e.g. The shelter cluster will use this data to draft its Revised Flash Appeal;	Milestone	Deadline	
	<input type="checkbox"/> Donor plan/strategy	_ _ / _ _ / _ _ _ _	
	<input checked="" type="checkbox"/> Inter-cluster plan/strategy (HNO)	1 Sept 2018	
	<input checked="" type="checkbox"/> Cluster plan/strategy (WASH)	1 Sept 2018	
	<input type="checkbox"/> NGO platform plan/strategy	_ _ / _ _ / _ _ _ _	
	<input type="checkbox"/> Other (Specify):	_ _ / _ _ / _ _ _ _	
Audience Type & Dissemination Specify who will the assessment inform and how you will disseminate to inform the audience	Audience type	Dissemination	
	<input checked="" type="checkbox"/> Strategic	<input checked="" type="checkbox"/> General Product Mailing (e.g. mail to NGO consortium; HCT participants; Donors)	
	<input checked="" type="checkbox"/> Programmatic	<input checked="" type="checkbox"/> Cluster Mailing (WASH) and presentation of findings at next cluster meeting	
	<input type="checkbox"/> Operational	<input checked="" type="checkbox"/> Presentation of findings (e.g. at HCT meeting; Cluster meeting)	
	<input type="checkbox"/> [Other, Specify]	<input checked="" type="checkbox"/> Website Dissemination (Relief Web & REACH Resource Centre)	
		<input type="checkbox"/> [Other, Specify]	
Detailed dissemination plan required	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
General Objective	Inform multi-sector humanitarian programming for Nigerian Humanitarian Response in Borno, Adamawa and Yobe		

Specific Objective(s)	<ul style="list-style-type: none"> ○ Provide a comprehensive evidence base of multi-sectorial needs among conflict-affected populations in Adamawa, Borno and Yobe states, including: <ul style="list-style-type: none"> ○ Internally Displaced Persons (IDPs) residing in formal camps, informal camps and within host community populations ○ Returnees ○ Non-Displaced Population ○ Provide robust evidence to support the Humanitarian Needs Overview and Humanitarian Response Plan for 2019. 		
Research Questions	<ul style="list-style-type: none"> ○ What is the situation for specific population groups (IDPs, returnees and non-displaced) regarding: <ul style="list-style-type: none"> ○ Levels of needs, access and vulnerabilities across Protection, Food Security, Health, Livelihoods, NFI, Shelter, WASH, and Education sectors? ○ Intentions regarding onward/return movement or remain in location of current displacement? ○ What is the estimated population and its composition in Hard to Reach Areas (H2R) What are the conditions, needs and barriers to service access for populations remaining in H2R 		
Geographic Coverage	All accessible areas in Adamawa and Yobe; Local Government Area Capitals in Borno state; H2R in Borno, Yobe and Adamawa States		
Secondary data sources	Global Polio Eradication Initiative (GPEI) in Nigeria		
Population(s) <i>Select all that apply</i>	<input checked="" type="checkbox"/> IDPs in camp	<input checked="" type="checkbox"/> IDPs in informal sites	
	<input checked="" type="checkbox"/> IDPs in host communities	<input type="checkbox"/> IDPs [Other, Specify]	
	<input type="checkbox"/> Refugees in camp	<input type="checkbox"/> Refugees in informal sites	
	<input type="checkbox"/> Refugees in host communities	<input type="checkbox"/> Refugees [Other, Specify]	
	<input checked="" type="checkbox"/> Non-displaced (hosting)	<input checked="" type="checkbox"/> Non-displaced (not hosting)	
	<input checked="" type="checkbox"/> Returnees	<input type="checkbox"/> [Other, Specify]	
Stratification <i>Select type(s) and enter number of strata</i>	<input checked="" type="checkbox"/> Geographical #: 63 LGA Population size per strata is known? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Group #: IDP, Returnee, Non-displaced Population size per strata is known? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> [Other Specify] #: __ Population size per strata is known? <input type="checkbox"/> Yes <input type="checkbox"/> No
Data collection tool(s)	<input checked="" type="checkbox"/> Structured (Quantitative)	<input type="checkbox"/> Semi-structured (Qualitative)	
	Sampling method	Data collection method	
Structured data collection tool # 1 <i>Select sampling and data collection method and specify target # interviews</i>	<input checked="" type="checkbox"/> Probability / Stratified cluster sampling	<input checked="" type="checkbox"/> Household interview (Target #): 10,084	
Structured data collection tool # 2 <i>Select sampling and data collection method and specify target # interviews</i> <i>***If more than 2 structured tools please duplicate this row and complete for each tool.</i>	<input checked="" type="checkbox"/> Purposive	<input checked="" type="checkbox"/> Key informant interview (Target #): TBC	

Target level of precision if probability sampling	95% level of confidence		10 +/- % margin of error	
Data management platform(s)	<input checked="" type="checkbox"/>	IMPACT	<input type="checkbox"/>	UNHCR
	<input type="checkbox"/>	[Other, Specify]		
Expected output type(s)	<input type="checkbox"/>	Situation overview #: __	<input type="checkbox"/>	Report #: 1
	<input type="checkbox"/>	Presentation (Preliminary) #: 1	<input type="checkbox"/>	Presentation (Final) #: 1
	<input type="checkbox"/>	Interactive dashboard #: _	<input type="checkbox"/>	Webmap #: __
Access	<input checked="" type="checkbox"/>	Public (available on REACH resource center and other humanitarian platforms)		
	<input type="checkbox"/>	Restricted (bilateral dissemination only upon agreed dissemination list, no publication on REACH or other platforms)		
Visibility <i>Specify which logos should be on outputs</i>	ECHO, REACH, OCHA			

2. Rationale

2.1. Rationale

Following eight years of conflict across the Greater Lake Chad Region, North East Nigeria is experiencing significant humanitarian needs across all sectors. Approximately 7.7 million people in Borno, Yobe, and Adamawa States are estimated to be in need of humanitarian assistance in 2018.¹ Of these, an estimated 1.6 million people remain displaced across the three north-eastern states (HRP 2018).² The majority of the population has fled to the relative safety of Maiduguri or capitals of Local Government Areas (LGAs). In IDP camps in Maiduguri and especially in the enclaved LGA capitals in Borno State, the entire population is extremely vulnerable and in need of basic humanitarian support. This intensity of need in these areas leads to the focusing of aid delivery in a handful of easy to reach locations. Humanitarian actors have limited capacity to identify the scale of needs in areas outside of secured LGA capitals, and even less capacity to effectively deliver life-saving aid in these areas.

Despite the complex security environment and protracted humanitarian situation, there have been enhancements in primary data collection and analysis over the years. However, current broader efforts made to inform the humanitarian response are either lacking in detail, too localized to provide comprehensive evidence to inform humanitarian response planning efforts, or lack the analytical capacity to identify trends over time and space due to the use of non-harmonized methodologies, tools, and implementation intervals.

While a number of assessments have been carried out on sector-specific needs of IDPs in camp and out-of-camp settings in Borno, Adamawa and Yobe states, a comprehensive Multi-Sector Needs Assessments (MSNA) providing comparable findings across all three states has not been conducted. To improve analysis of the humanitarian response, the Operational Inter-Sector Working Group (OISWG) decided, with the recommendation from the Assessment Working Group, to focus on conducting an MSNA to compare multi-sector needs across different population groups: IDPs; returnees and non-displaced. This activity aims at supporting evidence-based planning and decision making by humanitarian actors in Nigeria and, more specifically, at informing the 2019 HNO and HRP.

¹ OCHA (February 2018), Nigeria: 2018 Humanitarian Needs Overview. Retrieved from: <https://reliefweb.int/report/nigeria/nigeria-2018-humanitarian-needs-overview>

² OCHA (February 2018), Nigeria: Humanitarian Response Plan (January-December 2018). Retrieved from: <https://reliefweb.int/report/nigeria/nigeria-humanitarian-response-plan-january-december-2018>

3. Methodology

2.1. Methodology overview

In cooperation with sector partners, coordination groups and relevant stakeholders, REACH will undertake a multi-sectoral household survey, covering the three states most affected by the conflict in the Northeast: Borno, Yobe and Adamawa states. As the aim of the MSNA is to inform the HNO and HRP, all relevant sectors were engaged for feedback into the sector specific indicators to inform gaps in response, severity of the crisis, vulnerabilities and other essential components following the MIRA analytical framework. Results will be representative at 95% confidence level with 10% margin of error at the LGA level, however may not be representative of specific population groups within the LGA due to insufficient sample size for each population group of interest. Population groups will be representative at the domain level, which are groupings of LGAs based on similar livelihood areas. In total 63 of 65 total Local Government Areas (LGAs) will be visited, however areas with insecurity will be excluded from the sampling frame.

Further, a convenience sample of recently arrived populations from settlements considered H2R by the humanitarian community will be assessed to provide an indicative understanding of the composition of remaining populations, the conditions in these areas, the needs of the population and barriers to service access. Indicative findings will be produced by aggregating KI interviews of settlement-level conditions and reporting on them at the ward-level.

2.2. Population of interest

Household level data collection

Three distinct population groups are targeted by the MSNA:

- Non-displaced peoples – those who have never been displaced due to the crisis
- Returnees – those that have been displaced (for greater than a week) but have since returned to their areas of origin
- Internally displaced peoples – those who have been displaced and are still displaced

Results will not be representative of these groups at the LGA level, however each group will be representative at least at the livelihood “domain” at a 95/10 level of precision. In Nigeria, the Food Security and Nutrition sectors utilize groupings of LGAs for surveillance purposes based on patterns of livelihood strategies. It should be noted that not every population group will be found in all LGAs, but should be represented in most domains. The LGAs are grouped into domains as follows:

Table 1: Livelihood Domains of NE Nigeria

State	Domain	LGAs
Borno	Northern Borno	Abadam, Mobbar, Guzamala, Kukawa, Nganzai
	East Borno	Bama, Dikwa, Gwoza, Kala/Balge, Ngala
	Central Borno	Dambo, Gubio, Kaga, Konduga, Mafa, Magumeri, Marte, Monguno
	Southern Borno	Askira/Uba, Bayo, Biu, Chibok, Hawul, Kwaya Kusar, Shani
	MMC and Jere	Maiduguri, Jere
Yobe	Central Yobe	Barde, Borsari, Geidam, Jakusko
	Southern Yobe	Damaturu, Fika, Fune, Gujba, Gulani, Nangare, Potiskum, Tarmuwa
	Northern Yobe	Karasuwa, Machina, Nguru, Yunusari, Yusufari
Adamawa	Northern Adamawa	Girie, Hong, Madagali, Maiha, Michika, Mubi North, Mubi South, Song
	Southern Adamawa	Demsa, Gombi, Guyuk, Lamurde, Numan, Shelleng, Yola North, Ganye, Jada, Mayo-Belwa, Teungo, Fufore, Yola South

Inaccessible areas were identified on a map by field officers familiar with the areas and were excluded from sampling for the household surveys. In Borno State, there are severe access restrictions in many areas, meaning results will not be

representative of populations in hard to reach areas. Nearly all LGA capitals and some major towns are considered accessible however, as well as towns and settlements along secure major roads. Several LGAs in Southern Borno are the exception as they are considered accessible even in areas outside of the LGA capital. For Yobe State, only Geidam, Yunusari, Gulani and Gujba LGAs are considered to have access restrictions, while the rest are completely accessible. These four LGAs will be restricted to the LGA capital, and some settlements along the main roads. For Adamawa State, nearly all LGAs are considered completely accessible, with the exceptions of Madagali, Michika, Mubi North and Maiha in the far north-east of the state along the Cameroon border.

Table 2. LGAs accessible/ not accessible

	Completely Accessible	Partially Accessible	No Access
Borno State	Bayo, Hawul, Kwaya Kusar, Shani, Maiduguri,	Mobbar, Guzamala, Kukawa, Nganzai, Bama, Dikwa, Gwoza, Kala/Balge, Ngala, Damboa, Gubio, Kaga, Konduga, Mafa, Magumeri, Monguno, Askira/Uba, Jere, Chibok, Biu	Marte, Abadam
Yobe State	Barde, Borsari, Jakusko, Damaturu, Fika, Fune, Nangare, Potiskum, Tarmuwa, Karasuwa, Machina, Nguru, Yusufari	Geidam, Gujba, Gulani, Yunusari	
Adamawa State	Girie, Hong, Mubi South, Song, Demsa, Gombi, Guyuk, Lamurde, Numan, Shelleng, Yola North, Ganye, Jada, Mayo-Belwa, Teungo, Fufore, Yola South	Madagali, Maiha, Michika, Mubi North	

KI Assessment of H2R

The population of interest will be those populations remaining in H2R locations including non-displaced host community, IDPs and returnees. The assessment will target the general conditions in each H2R settlement as experienced by all residents; there will be little differentiation between population groups, barring a few key indicators, and all findings for any population group will be indicative only and reported on at the settlement level.

2.3. Secondary data review (outline key bibliography/sources you will use and for what).

The SDR revealed several sources of population data available for estimating population at the primary sampling unit level. These included:

- Vaccination Tracking System (VTS)
- Polio Vaccination team data
- IOM DTM data

A mix of sources was utilized, with preference for the IOM DTM data, and Polio Vaccination data where available as those population figures are derived from people directly visiting the locations, opposed to the VTS population figures which were derived primarily from remote sensing approach. Polio data was used for Borno and Yobe states, while VTS data was used for Adamawa. The polio data is updated continuously, so different settlements have population data from different periods of time over the last year. VTS data was revised as recently as March 2018. IDP and Returnee data from IOM were used from April 2018.

A more comprehensive SDR for sectoral information is underway to complement the primary data collection.

2.4. Primary Data Collection

MSNA - Key Informant Data Collection

A short Key Informant interview form is applied to complement the household level data at the cluster level. This intent is to capture limited settlement level information on flooding and as well as accurate population figures for our survey locations. The key informant will be the community or camp leader of that site.

MSNA - Household level data collection

Data collection will take place for roughly six-weeks, beginning June 25th and ending August 4th. There will be two teams of 15 enumerators, each led by two field officers, within each of the three states. In locations that are only accessible by UNHAS helicopters, field officers will train and utilize teams of 10 enumerators locally identified.

Sampling

A stratified, two-stage cluster sampling design will be utilized. The LGAs are the strata, while the primary sampling unit is defined as the settlement/camp, and the secondary sampling unit is the households within those locations. Each primary sampling unit is considered to be a location for one specific population group. This means that the same community with both IDPs, and non-displaced populations would be considered two separate units. Sampling was conducted at a 95% confidence level with a 10% margin of error, 10% sample buffer and a minimum cluster size of 5 surveys.

Two rounds of sampling have been conducted for the primary sampling units (PSUs): 1) probability proportional to size sampling of clusters at the LGAs level, irrespective of population group and 2) a “top-up” sampling of additional clusters to ensure the minimum sample for each population group has been reached within each domain. The sampling frame was restricted to the population group and domain where the minimum sample for 95/10 precision was not being met, for that group in that domain. Additionally, a set of “reserve” clusters were sampled in the event that too many locations were found to be abandoned or inaccessible in a given LGA.

There are information gaps on which settlements have non-displaced or returnee populations, so likely some selected clusters may not have the intended population group present. In such instances, teams will continue with data collection and plans to correct incomplete targets if necessary during mop-up activities near the end of data collection. In total, 10,084 households were sampled in 1,522 locations. Please see Tables 3-5 below for sampling results at the LGA level.

Household Selection

Two household selection methods will be employed:

- 1) Randomly generated GPS points – this will be the preferred method where applicable. A set of GPS points equivalent to twice the number of surveys intended in a location will be generated within a bounded area around that location’s GPS coordinates. Upon arrival in that location, the team leader will ascertain which of the random points are accessible and fall within the bounds of the settlement or camp. From the sub-selection of accessible points, the team leader will randomly select a number of points equal to the surveys needed. The enumerator will travel to the point and attempt to interview the nearest household. If that household is empty, or does not meet the age/population group criteria for interview, the teams will move to the immediate house to the right. In the case that the point is then found to be inaccessible, the team leader will resample from the unselected points.
- 2) Household listing – this method will only be used where GPS points for the settlement/cluster are unavailable, or are found to be very incorrect on arrival to the location. The team leader will discuss with the community leaders what the total number of households. If less than 150 of the target population group, all households will be manually listed by the teams and then the households to be surveyed will be randomly sampled from that list. If greater than 150 households of the target population group, the team leader will discuss with the community leaders how the community is naturally divided, and how many households fall within each division. The team will perform a Probability Proportional to Size (PPS) sampling to select one of the manageable segments of the town, and then

exhaustively list all the eligible population group in that portion of the town. The number of surveys needed will then be randomly sampled from this list.

KI-level data collection on H2R

Data collection will take place for roughly four weeks, beginning July 20th and ending August 17th. REACH has limited resources to implement data collection on our own: one field officer with a small team of four enumerators will be employed on a part time basis to conduct KI-level data collection on H2R when there is clear potential to do so during the course of the household-level data collection. Largely, as agreed with UN OCHA, REACH will leverage partner capacity to affect the data collection.

Sampling

KIs will be intentionally selected from among key population groups existing in accessible and secure areas of NE Nigeria. Convenience sampling will be used to select KIs claiming to have recent direct knowledge (3 months) of a H2R location. Additionally, where applicable, responses to MSNA questionnaire may be used to identify and target individual KIs with direct knowledge .

Key informants will include:

1. Recently arrived IDPs
2. Recently arrived IDP Community Leader
3. Non-displaced person
4. Returnees
5. Current NGO worker
6. Current Polio/ Health Care worker
7. Current Civilian Joint Task Force member
8. Current Nigeria Armed Forces member
9. Government official

Snowball sampling will be used following the initial KI interview to identify further potential KIs.

2.5. Data Processing & Analysis

Household-level data collection

Data cleaning and monitoring will be done with STATA and Excel, while the final data analysis will be done with R, in collaboration with the MSNA Analysis working group. In the field, population estimates for each population group will be collected at each cluster location to allow for proper weighting of the data afterwards. Data cleaning will be a continuous process during the MSNA, with daily feedback being given to the team leaders for the first two weeks, then intermittently afterwards based on the need. Feedback will include issues incorrect filling of responses, possible biases amongst enumerators, and progress against targets. Please refer to the Data Analysis Framework for more details on analysis of individual indicators.

KI-based data collection in H2R

Data cleaning and monitoring will be done with R, STATA and Excel, while the final data analysis will be done with R.. Data cleaning will be a continuous process during the MSNA, with regular feedback being given partners collecting data. Feedback will include issues incorrect filling of responses, possible biases amongst enumerators, and progress against targets. Please refer to the Data Analysis Framework for more details on analysis of individual indicators.

Data will be collected at the lowest possible administrative unit level, the settlement level, understood through the available settlement data sets (VTS, Polio Access team). Sampling is conducted at the settlement level, which represents a village or neighbourhood, to ensure that the area for which key informants (KIs) are providing information corresponds directly to their

actual area of knowledge, thereby mitigating unfounded deductions. The level of coverage (proportion of settlements assessed) will be declared for each variable when results are presented.

Data from key informants is aggregated to the settlement and ward level using R scripts which uses the following logic to calculate settlement and ward level responses:

- **Single response questions:** The majority of survey questions are single response, only allowing the KI to select a single response to the question. Data presented at the ward level is the most common response of each settlement from the survey.
- **Multiple response questions:** Some questions present the KI with multiple responses to choose, such as the available shelter materials in the settlement of question. For each possible response, REACH presents the percent of settlements in each ward reporting that selected the response. For ease of the reader, each multiple response question is also aggregated together, presenting all responses that more than 50% of settlements selected;
- **Population questions:** Numeric questions are presented as the sum of settlement responses to the ward level;
- **Yes/no questions:** Yes/no questions are presented as the percent of settlements in the ward with a response of "yes".

3. Roles and responsibilities

Table 2: Description of roles and responsibilities

Task Description	Responsible	Accountable	Consulted	Informed
Research design	Assessment / GIS Officer	Assessment Officer	Regional Representative	IMPACT HQ – Research Design Unit
Supervising data collection	Assessment Officer / Senior Field Officer / OCHA and partner organizations	Assessment / GIS Officer	Regional Representative	ACTED Area Coordinator
Data processing (checking, cleaning)	Assessment / GIS Officer	Assessment Officer	IMPACT HQ – Data Unit	Regional Representative
Data analysis	Assessment / GIS Officer	Assessment / GIS Officer	IMPACT HQ – Data Unit	Regional Representative
Output production	Assessment / GIS Officer	Regional Representative	IMPACT HQ – Reporting Unit	OCHA/Partner organizations
Dissemination	Assessment / GIS Officer	Regional Representative	IMPACT HQ – Communications	OCHA/Partner organizations / ACTED Area Coordinator
Monitoring & Evaluation	Assessment / GIS Officer	Regional Representative	IMPACT HQ – Research Design Unit	REACH Field Staff
Lessons learned	Assessment / GIS Officer	Regional Representative	IMPACT HQ – Research Design Unit	REACH Field Staff

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

NB: Only one person can be Accountable; the only scenario when the same person is listed twice for a task is when the same person is both Responsible and Accountable.

3. Data Analysis Plan

Please refer to the Data Analysis Plan matrix, accompanying this document for details on research questions, indicators, and questions.

5. Data Management Plan

Administrative Data			
Research Cycle name	Nigeria MSNA		
Project Code	NGA 1804		
Donor	ECHO		
Project partners	OCHA		
Research Contacts	Saeed Rahman [saeed.rahman@reach-initiative.org] Zachary Arno [zack.arno@reach-initiative.org]		
Data Management Plan Version	Date: 06/08/2018	Version: 01	
Related Policies	[List any relevant policies/procedures on data management, data sharing and data security that this project will be based on]		
Documentation and Metadata			
What documentation and metadata will accompany the data? <i>Select all that apply</i>	<input checked="" type="checkbox"/>	Data analysis plan	<input checked="" type="checkbox"/> Data Cleaning Log, including: <input type="checkbox"/> Deletion Log <input type="checkbox"/> Value Change Log
	<input checked="" type="checkbox"/>	Code book	<input type="checkbox"/> Data Dictionary
	<input type="checkbox"/>	Metadata based on HDX Standards	<input type="checkbox"/> [Other, Specify]
Ethics and Legal Compliance			
Which ethical and legal measures will be taken?	<input checked="" type="checkbox"/>	Consent of participants to participate	<input type="checkbox"/> Consent of participants to share personal information with other agencies
	<input type="checkbox"/>	No collection of personally identifiable data will take place	<input checked="" type="checkbox"/> Gender, child protection and other protection issues are taken into account
	<input type="checkbox"/>	All participants reached age of majority	[Other, Specify]
Who will own the copyright and Intellectual Property Rights for the data that is collected?	IMPACT/REACH Initiatives		
Storage and Backup			
Where will data be stored and backed up during the research?	<input checked="" type="checkbox"/>	IMPACT/REACH Kobo Server	<input type="checkbox"/> Other Kobo Server: [specify]
	<input type="checkbox"/>	IMPACT Global Physical / Cloud Server	<input type="checkbox"/> Country/Internal Server
	<input checked="" type="checkbox"/>	On devices held by REACH staff	<input type="checkbox"/> Physical location [specify]

	<input type="checkbox"/>	[Other, Specify]	
Which data access and security measures have been taken?	<input checked="" type="checkbox"/>	Password protection on devices/servers	<input checked="" type="checkbox"/> Data access is limited to REACH/IMPACT initiative staff
	<input type="checkbox"/>	Form and data encryption on data collection server	
	<input type="checkbox"/>	[Other, Specify]	
Preservation			
Where will data be stored for long-term preservation?	<input type="checkbox"/>	IMPACT / REACH Global Cloud / Physical Server	<input type="checkbox"/> OCHA HDX
	<input type="checkbox"/>	REACH Country Server	<input checked="" type="checkbox"/> NGA REACH Dropbox
Data Sharing			
Will the data be shared publically?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No, only with mandating agency / body
Will all data be shared?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No, only anonymized/ cleaned/ consolidated data will be shared
	<input type="checkbox"/>	No, [Other, Specify]	
Where will you share the data?	<input checked="" type="checkbox"/>	REACH Resource Centre	<input type="checkbox"/> OCHA HDX
	<input type="checkbox"/>	HumanitarianResponse	<input type="checkbox"/> [Other, Specify]
Responsibilities			
Data collection	<i>For MSNA – Saeed Rahman, Assessment Officer, saeed,rahman@reach-initiative.org</i> <i>For H2R – Zack Arno, Junior GIS Officer, zack.arno@reach-initiative.org</i>		
Data cleaning	<i>For MSNA – Saeed Rahman, Assessment Officer, saeed,rahman@reach-initiative.org</i> <i>For H2R – Zack Arno, Junior GIS Officer, zack.arno@reach-initiative.org</i>		
Data analysis	<i>For MSNA – Saeed Rahman, Assessment Officer, saeed,rahman@reach-initiative.org</i> <i>For H2R – Zack Arno, Junior GIS Officer, zack.arno@reach-initiative.org</i>		
Data sharing/uploading	<i>For MSNA – Saeed Rahman, Assessment Officer, saeed,rahman@reach-initiative.org</i> <i>For H2R – Zack Arno, Junior GIS Officer, zack.arno@reach-initiative.org</i>		

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 x product from Resource Center	Country request to HQ	User_log	<input type="checkbox"/> Yes
		# of downloads of x product from Relief Web	Country request to HQ		<input type="checkbox"/> Yes
		# of downloads of x product from Country level platforms	Country team		<input type="checkbox"/> Yes
		# of page clicks on x product from REACH global newsletter	Country request to HQ		<input type="checkbox"/> Yes
		# of page clicks on x product from country newsletter, sendingBlue, bit.ly	Country team		<input type="checkbox"/> Yes
		# of visits to x webmap/x dashboard	Country request to HQ		<input type="checkbox"/> 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	[List here relevant HPC-documents to be monitored: E.g. Iraq HNO 2018, Iraq Flash Appeal Mosul, Shelter Cluster strategy]
		# references in single agency documents			[List here relevant agency-documents to be monitored: E.g. UNHCR Country Strategy, UNICEF WASH Response Strategy]
Humanitarian stakeholders are using IMPACT products	Humanitarian actors use IMPACT evidence/products as a basis for decision making, aid planning and delivery	Perceived relevance of IMPACT country-programs	Country team	Usage_Feed back and Usage_Survey template	[Outline here the usage survey to be implemented for this research cycle E.g. Usage survey to be conducted in November 2017,
		Perceived usefulness and influence of IMPACT outputs			
		Recommendations to strengthen IMPACT programs			

	Number of humanitarian documents (HNO, HRP, cluster/agency strategic plans, etc.) directly informed by IMPACT products	Perceived capacity of IMPACT staff Perceived quality of outputs/programs Recommendations to strengthen IMPACT programs			<i>following the release of x outputs, targeting at least 10 partners</i> <i>E.g. Usage survey to be conducted at the end of the research cycle related to all outputs, targeting at least 20 partners]</i>
Humanitarian stakeholders are engaged in IMPACT programs throughout the research cycle	Number and/or percentage of humanitarian organizations directly contributing to IMPACT programs (<i>providing resources, participating to presentations, etc.</i>)	# of organisations providing resources (i.e.staff, vehicles, meeting space, budget, etc.) for activity implementation # of organisations/clusters inputting in research design and joint analysis # of organisations/clusters attending briefings on findings;	Country team	Engagement_log	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes

ANNEX 1: [SAMPLING TABLES]

Table 3: Sampling Results - Yobe State

LGA	Estimated Accessible Population				Surveys Sampled			
	IDPs	Returnees	Non-Displaced	TOTAL	IDPs	Returnees	Non-Displaced	TOTAL
Central Yobe	4158	1439	169190	174787	134	135	530	799
Barde	2506		75301	77807	84		135	219
Bursari	566		32158	32725	30		135	165
Geidam	768	1439	26671	28878	10	135	125	270
Jakusko	317		35059	35376	10		135	145
Northern Yobe	3691	0	67849	71540	143	0	579	722
Karasuwa	925		19083	20008	35		130	165
Machina	239		1204	1444	30		145	175
Nguru	2096		23724	25820	35		130	165
Yunusari	176		130	306	43		39	82
Yusufari	254		23708	23962			135	135
Southern Yobe	13250	820	277555	291625	145	140	930	1215
Damaturu	5695		56162	61857	10		125	135
Fika	636	351	48447	49433	15	20	130	165
Fune	832		41139	41971	5		130	135
Gujba	2388	86	1878	4353	90	15	65	170
Gulani	244	383	617	1244	25	105	75	205
Nangere	232		39171	39403	135			135
Potiskum	2583		76910	79493	135			135
Tarmua	640		13231	13870	135			135
TOTAL	21,099	2,259	1,115,194	537,952	422	275	2,039	2,736

Table 4: Sampling Results - Borno State

LGA	Estimated Accessible Population				Surveys Sampled			
	IDPs	Returnees	Non-Displaced	TOTAL	IDPs	Returnees	Non-Displaced	TOTAL
Central Borno	55350	16009	155181	226540	320	135	630	1085
Dambo	9841		22996	32837	40		110	150
Gubio	787		1840	2627	45		105	150
Kaga	2810	3045	6704	12558	45	35	75	155
Konduga	9675	8147	30969	48791	40	30	80	150
Mafa	2307	1294	1596	5197	55	40	60	155

Magumeri	4012	571	4968	9551	65	15	95	175
Monguno	25919	2953	86108	114979	30	15	105	150
East Borno	64947	8231	6327	79505	532	165	160	857
Bama	9663	137		9800	106			106
Dikwa	12090	3129		15218	110	75		185
Gwoza	16999	2341		19339	140	35		175
Kala/Balge	15880			15880	106			106
Ngala	10316	2625	6327	19268	70	55	160	285
MMC and Jere	62984	1858	519835	584677	135	135	220	490
Jere	23388		172631	196019	80		95	175
Maiduguri	39596	1858	347203	388657	55	135	125	315
Northern Borno	8996	32830	32830	46633	215	180	410	805
Guzamala	497	20	470		130		130	260
Kukawa	2171	2019	18557		15	30	120	165
Mobbar	1755	1739	9235		15	90	80	185
Nganzai	4572	1029	4569		55	60	80	195
Marte								
Abadam								
Southern Borno	14835	11599	4807	273835	134	134	840	1108
Askira/Uba	934	9188	31679	41800	5	104	110	219
Bayo	141		36297	36438	25		135	135
Biu	5917		40735	46651	10		110	135
Chibok	1470	1106	8227	10804	68	15	110	135
Hawul	5148	1305	46237	52690	21	15	110	193
Kwaya Kusar	626		33542	34168	5		135	156
Shani	600		50685	51285	5		130	135
TOTAL	207,112	70,527	718,980	1,211,190	1,336	749	2,260	4,345

Table 5: Sampling results – Adamawa State

LGA	Estimated Accessible Population				Surveys Sampled			
	IDPs	Returnees	Non-Displaced	TOTAL	IDPs	Returnees	Non-Displaced	TOTAL
Northern Adamawa	13223	38831	302727	354782	135	190	775	1100
Girei	3603		48615	52217	15		120	135
Hong	780	13022	29622	43424	5	20	110	135
Madagali	855	1003	1485	3343	50	40	55	145
Maiha	2938	3692	49191	55821	25	5	115	145
Michika	1840	7191	5337	14368	15	75	45	135

Mubi North	941	4601	14785	20328	20	15	100	135
Mubi South	1836	9322	16090	27248	5	35	95	135
Song	430		137602	138032			135	135
Southern Adamawa	14512	6622	891837	912971	145	135	1635	1903
Demsa	2317		60859	63176	22		135	157
Fufore	1391		157445	158835			135	135
Ganye	187		81150	81336			135	135
Gombi	422	3493	76732	80647		85	130	215
Guyuk	59		27412	27471			135	135
Jada	91		151840	151931			135	135
Lamurde	627	1273	25555	27454		30	125	155
Mayo-Belwa	152		115409	115561			135	135
Numan	3139	1306	19900	24344	15		105	135
Shelleng	585		45420	46004			135	135
Toungo	84		83224	83308			135	135
Yola North	1896	550	2833	5279	76		80	161
Yola South	3563		44058	47621	20		115	135
TOTAL	27,735	45,453	1,194,564	1,267,753	280	325	2,410	3,003

ANNEX 2: [MSNA: DATA ANALYSIS PLAN]

Research questions	Indicator / Variable	Questionnaire Question
General	<i>Enumerator name</i>	<i>Enumerator name</i>
	<i>State</i>	<i>In which State is the household located?</i>
	<i>LGA</i>	<i>In which LGA is this household located?</i>
	<i>Ward</i>	<i>In which ward is this household located?</i>
	<i>Settlement/Village</i>	<i>What is the name of the community?</i>
	<i>Cluster ID</i>	<i>Which cluster are you visiting?</i>
	<i>Household coordinates</i>	<i>GPS</i>
	<i>Target group</i>	<i>What is the intended group for this interview?</i>
	<i>Target group</i>	<i>Which statement best describes your household's situation since 2009?</i>
Demographics	<i>HoH Respondent</i>	<i>Are you the head of household?</i>
	<i>HoH Represent</i>	<i>We want to know about the needs, vulnerabilities and the situation of your household, can you answer for the household?</i>
	<i>Respondent age</i>	<i>What is your age?</i>
	<i>Respondent gender</i>	<i>What is the sex of the respondent?</i>
	<i>HoH Gender</i>	<i>What is the sex of the Head of Household?</i>
	<i>HoH Age</i>	<i>What is the age of the Head of Household?</i>
	<i>HoH Marital Status</i>	<i>What is the marital status of the Head of Household?</i>
	<i>Average HH size</i>	<i>Currently how many household members are there in your household (including the respondent)?</i>
<i>Individuals by age, gender</i>		<i>Please enter the sex of the household member</i>
		<i>Please enter age of the household member</i>

		What is the age of the child in months?
	% of HHs with pregnant or lactating women	Does this household member fit any of the following criteria or situations?
	% of HHs with separated minors	
	% of HHs with people suffering from chronic illness	
	% of HHs with people suffering from disabilities	
	Languages of respondent	What languages do you and your household members speak?
	Tribe of respondent	What tribe does the Head of Household belong to?
Movement Intentions	% of households by Area of Origin	What is your State of Origin?
		What is your LGA of origin?
		What is your ward of origin?
		What is the name of your settlement/village of origin?
	% HHs with access to their areas of origin	Since you have left your village of origin, when was the last time someone from your household traveled there?
		Are you or others from your village of origin currently able to move between there and your current location?
		If yes, why do people from your community return?
		If no, what is preventing people from your community from returning?
	% households actively planning to move in the next month	Is your household actively making plans to leave your current location?
		When are you planning on doing this?
		What would be your preferred – FIRST CHOICE – future location?
	% of households planning to leave in the next one month, by push factors	What are your top three reasons for wanting to move to another location?
What are your top three reasons for choosing your future location?		
What are your top three reasons for wanting to stay at current location?		
What are the key methods households access information?	% of HH with access to a mobile phone	Does your household have access to any of the following?
What types and quantity of water is available for household consumption?	% of households without enough water to meet their household needs in the last month	Did you have enough water in the last 30 days to meet your household needs?
	Coping strategies for insufficient water	What do you do when you do not have enough household water to meet your needs?[If other, please specify]
	% of households having access to an improved water source	What are all the water sources your household your household used in the last 30 days for your household needs?

What is the quality of drinking water households are using?	% of HHs having to pay for water (+ price per litre)	Do you have to pay to access water from your main source?
	% of HHs using less than 15L/person/day of water (for drinking, cooking, and bathing)	How many different containers did you use to collect water from a water point in the last week?
		[Please show me all containers you use to collect water in the household]
		What is the volume of this container?
	Average price per litre for water	How much did it cost you to fill this container one time (if free, then write 0)?
	% of households reporting water quality issues	How would you describe the quality of the water coming from your main source of drinking water? If average or bad, why?
What problems do households face in getting water?	% of households for whom fetching water constitutes a problem Types of problems fetching water	What are the problems your household has with fetching water?
		How long does it take OVERALL to collect water from your main water source, including traveling back and forth and queuing time?
		How long does it take to travel back and forth from your main water source?
		How long do you have to queue at your main water source?
Is soap available in the household for handwashing?	% of households having and using soap for washing hands	Do you have soap in your household for handwashing?
How are households treating their drinking water?	% of households by water treatment method	Do you treat your drinking water?
		How do you treat your drinking water?
Do households have access and use latrines?	% of households accessing/using a functioning latrine	Do the members of your household have access to a functioning latrine?
		What type of latrine?
		Do the members of your household use the latrine?
	Types of people without access or cannot use latrines	Which members of your household don't have access or cannot use the latrine? (for example men, women, children, the elderly?)
What are the reasons those people cannot use the latrine?		
% of HH with access to a gender segregated latrine, of those with access to a public latrine	Is the latrine separated by gender or sex?	
Do households face environmental hygiene problems?	% of households by solid waste disposal mechanism	What is the most common way your household disposed of garbage in the last 30 days?
		How frequently was garbage collected in the last 30 days?

<i>What modality to households prefer for WASH support?</i>	<i>% of households by preference of WASH support modality</i>	<i>If your household were to receive support for water, what method of support would you prefer?</i>
<i>How prevalent are different illnesses in households?</i>	<i>% of households with households members ill in prior two weeks</i>	<i>Has anyone in your household been sick in the past two weeks?</i>
	<i>% of households with different illnesses/ symptoms among households with sick HH members</i>	<i>What symptoms or illness did the person have?</i>
<i>What are the healthcare seeking practices of households?</i>	<i>% of households who have or would seek treatment at healthcare facilities</i>	<i>Where did you seek treatment for the person's illness?</i>
	<i>Avg. price for healthcare services</i>	<i>Where would be the first place you would go for treatment, if a household member was sick?</i>
	<i>Avg. price for healthcare services</i>	<i>How much did it cost you / or would it cost you for a consultation at that place?</i>
<i>Do households have reasonable access to health care?</i>	<i>% of households with reasonable access to health facilities</i>	<i>How much did it cost you / or would it cost you for to access the nearest health services in terms of transportation, lodging, or other non-drug expenses?</i>
	<i>Barriers to accessing health care</i>	<i>How far is the closest health facility to you?</i>
<i>What is the immunization coverage of children for measles, polio and DPT?</i>	<i>% of children ages 9 months to 10 years who have received at least one dose of measles vaccine</i>	<i>What type of health facility is it?</i>
		<i>What are the barriers for accessing health care for your household?</i>
	<i>% of children ages 0 to 59 months who have received all three PENTAVALENT doses</i>	<i>Has (CHILD NAME) received any measles vaccine?</i>
		<i>How many times has (CHILD NAME) ever received measles vaccine?</i>
	<i>% of children ages 0-59 months who have received all three dose of polio vaccine</i>	<i>Has (CHILD NAME) received any of the three Pentavalent vaccine shots?</i>
		<i>How many Pentavalent shots has (CHILD NAME) ever received?</i>
<i>Has (CHILD NAME) received any of the three polio vaccine?</i>	<i>How many polio vaccines has (CHILD NAME) ever received?</i>	
<i>Do women give birth with the attended by skilled birth attendants?</i>	<i>% of deliveries attended to by a skilled birth attendant</i>	<i>Has anyone in your household given birth in the last year (since Ramadan in 2017)?</i>
		<i>Where did she give birth?</i>
		<i>Who helped attend the birth?</i>
<i>What modality of support do households prefer for health?</i>	<i>% of households by health support modality</i>	<i>If your household were to receive support for health, what method of support would you prefer?</i>
	<i>% of children 6-59 months with acute malnutrition, by severe (SAM) and global (GAM)</i>	<i>Is the child present?</i>
<i>What is the MUAC for this child?</i>		
<i>Does this child have nutritional edema?</i>		
<i>What is the nutritional status of children 6 to 59 months old?</i>	<i>% of children with severe acute malnutrition who are currently enrolled in OTP services</i>	<i>Is this child currently enrolled in a nutrition treatment program (OTP)?</i> <i>[does your child receive Plumpynut for treatment]</i>

Are mothers exclusively breastfeeding their children under 6 months of age?	% of children ever breastfed	Has this child ever been breastfed?
	% of infants 0-5 months who are fed exclusively with breast milk (exclusive breastfeeding)	Was this child breastfed yesterday during the day or night?
		Did this child consume breastmilk in any other of the following ways yesterday during the day or night?
		Has this child had any powdered milk, canned milk, baby formula, yoghurt or animal milks yesterday during the day or night?
		Has this child had any of the following liquids yesterday during the day or night?
		Yesterday during the day or night, did this child eat any semi-solid or solid foods?
% of children who are continuously breastfed up to 12 months		
% of children who are continuously breastfed up to 24 months		
What are the main sources and types of food accessed and consumed by households?	% of households by means of accessing food	What sources of food has your household used in the last month?
	% of households by food consumption scores (FCS)	Over the last 7 days, how many days did you consume: CEREALS OR TUBERS
		Over the last 7 days, how many days did you consume: PULSES, NUTS & SEEDS
		Over the last 7 days, how many days did you consume: VEGETABLES (tomatoes, lettuce, cabbage, amaranth, okra, sorrel)
		Over the last 7 days, how many days did you consume: FRUITS (apples, oranges, bananas)
		Over the last 7 days, how many days did you consume: MEAT OR FISH (red meat, chicken, including internal, fish, seafood)
		Over the last 7 days, how many days did you consume: EGGS
		Over the last 7 days, how many days did you consume: MILK AND DAIRY PRODUCTS (milk, cheese, yoghurt, etc.)
		Over the last 7 days, how many days did you consume: OIL AND FATS
		Over the last 7 days, how many days did you consume: SWEETS (sugar, honey, jam, cakes, candy, etc.)
Over the last 7 days, how many days did you consume: SPICES AND CONDIMENTS		
What are the main coping strategies households use when there is insufficient food?	reduced Coping Strategy Index (rCSI)	In the past 7 days, how many days did you have to rely on less preferred foods and less expensive foods to cope with the lack of food?
		In the past 7 days, how many days did you have to borrow food or rely on help from friends or relatives to cope with the lack of food?
		In the past 7 days, how many days did you have to limit portion size at mealtime to cope with the lack of food?
		In the past 7 days, how many days did you have to restrict consumption by adults in order for small children to eat to cope with the lack of food?

		<i>In the past 7 days, how many days did you have to reduce number of meals eaten in a day to cope with the lack of food?</i>
<i>What is the availability and affordability of key Minimum Expenditure Basket items in the market?</i>	<i>% of households with market access</i>	<i>Have you had physical access to a market in the last two weeks?</i>
<i>What are the main challenges to accessing food for households?</i>	<i>Main challenges to accessing food</i>	<i>What are the barriers your household has currently in accessing enough food?</i>
<i>How do households prefer to receive food support?</i>	<i>Household preference for food support</i>	<i>If your household were to receive support for food, what method of support would you prefer?</i>
<i>Do households have access to firewood for fuel?</i>	<i>% of HH with access to firewood in the surrounding environment</i>	<i>In the past year, how has the availability of wood for fuel from the surrounding environment changed?</i>
<i>What are the common types of fuel used by households?</i>	<i>Most commonly used fuel type for cooking (firewood, charcoal, animal dung, agricultural waste, etc.)</i>	<i>What is the most common source of fuel used for cooking in your household?</i>
	<i>Most commonly used fuel type for lighting (firewood, torchlight (battery), kerosene lamp, solar lantern etc.)</i>	<i>What is the most common source of fuel used for lighting in your household?</i>
	<i>Means of obtaining firewood/fuel for cooking</i>	<i>What is your primary means of obtaining firewood or whichever fuel source you primarily use?</i>
<i>What is the frequency and duration of woodfuel collection for the household?</i>	<i>Average number of woodfuel collection trips (per week)</i>	<i>Does anyone in your household make trips to collect firewood for household use or for selling?</i>
		<i>On average, how many trips do you make in one week to collect woodfuel?</i>
		<i>How long does one trip for woodfuel collection take you?</i>
<i>What are the common methods and risks associated with how households are cooking?</i>	<i>Most commonly used technology for cooking (three-stone fire, mud stove, metal stove, fuel-efficient stove, gas stove)</i>	<i>Since you have been in this location, what is the most commonly used method of cooking in your household?</i>
<i>How do households cope when there is insufficient fuel?</i>	<i>Coping strategies for insufficient fuel (reducing number of meals per day, selling food/rations to buy fuel, undercooking food, transactional sex)</i>	<i>Yesterday, did you have enough fuel to meet your cooking fuel needs?</i>
		<i>What does your household do when there is insufficient fuel for your needs?</i>
	<i>% of households by fuel support preferred modality</i>	<i>If your household were to receive support for fuel, what method of support would you prefer?</i>

What are the income sources for households?	% of HHs by main income source	What are the sources of income for the household?
		How does your current level of income compare to the previous month?
What is the burden of debt for households?	% of HHs in debt	Is your household in debt (of money)?
What are households means to access cash?	% of HHs by main source of access to cash	How do you get cash?
What are households expenses?	Reported household expenditure in last 30 days	Of your household income in the last 30 days, how much was for each of the following expenditures or savings?
Were households able to access the resources they needed for crop cultivation and grazing livelihoods?	% of HH that were able to cultivate during the last main dry season	Is agriculture currently or was in the past a source of your household's livelihood?
		Was your household able to plant and harvest crops during the last main rainy season (2017)?
	% of HH planning to plant during the coming rainy season	Are you planning on planting and harvesting for this rainy season (2018)?
	% of HHs needing but unable to access land for crop cultivation or grazing	During this last year, did you access land for any of the following reasons?
		Were you able to access the land you needed?
	% of HHs needing but unable to access water for crop cultivation or grazing	During the last year, did you need to access water for any of the following reasons? (not water for household uses)
		Were you unable to access the water you needed?
Main barriers to access to land for farming and herding	What barriers are there for your household in accessing land needed for farming or herding?	
% of households by type of production assets they have access to	What type of agricultural assets do you have access to for your next planting season?	
How do households cope when they don't have enough income?	Main coping strategies for lack of income	In the last 30 days, did your household do one of the following things to cope with lack of income / or because you were unable to meet your needs?
		Of the ways you cope with lack of income that you mentioned, which have you exhausted?
If your household were to receive cash support, what method would you prefer to receive it?	% of households by type of preferred cash support	If your household were to receive income support, what method of support would you prefer?
What is the shelter living situation for households?	% of HHs by shelter type	What is the type of shelter?
	% of HHs by shelter occupancy arrangement	For this next question, we are only interested in knowing your answer and will not share it with anyone else.
		How is the shelter occupied?
		Who has granted you permission to live in this shelter?
		Do you pay rent?

	<i>For households renting, average monthly rent</i>	<i>Do you have a written rental contract?</i>
		<i>How long is the contract for?</i>
		<i>How much do you pay per month?</i>
	<i>% of HHs sharing shelter with other HHs</i>	<i>How many households, including yours, share your current accommodation?</i>
<i>What is the type and severity of shelter damage?</i>	<i>% of HHs with shelter damage (+ types of shelter damage)</i>	<i>Is the shelter damaged?</i>
		<i>What type of damage is there?</i>
		<i>What is the severity of the damage to the shelter overall?</i>
		<i>Are there damaged shelters in this community?</i>
		<i>Ask the community leader to show you a shelter that is typical of damaged shelters in the community. Please take a picture.</i>
<i>What severity and extent were communities affected by flooding during the last rainy season?</i>	<i>% communities affected by flooding in the last rainy season</i>	<i>During the last rainy season, did flooding occur in this location?</i>
		<i>How many households were affected by the flooding?</i>
		<i>How severe was the flooding?</i>
<i>What are the NFI needs for households?</i>	<i>NFIs present in HHs</i>	<i>Does your household have access or own the following items?</i>
<i>What modalities do people prefer for different services?</i>	<i>NFIs present in HHs</i>	<i>If your household were to receive support for shelter, what method of support would you prefer?</i>
<i>What is the school enrollment status of boys and girls in which types of schools?</i>	<i>% of households with school-aged children (per age , level and gender group)</i>	<i>What is the current FORMAL school enrollment status of this child?</i>
	<i>% of households with school-aged children who have never attended school (per age group and gender)</i>	<i>What is the current INFORMAL school enrollment status of this child?</i>
	<i>% of children with school-aged children who have dropped out of school (per age group and gender)</i>	
<i>Do children have access to child friendly spaces?</i>	<i>% of households where children can access child friendly space</i>	<i>A child friendly space is any place in the community where children can go to play, learn or be children in a safe, supportive environment.</i>
		<i>Is there any kind of place like this in your community?</i>
		<i>Does your child have access to this place?</i>
<i>Do women have access to female friendly spaces?</i>	<i>% of households where women can access female friendly space</i>	<i>Is there a space in the community where girls and women can gather safely in the community?</i>
		<i>Do women in your household have access to that place?</i>
<i>What are the main barriers to accessing education?</i>	<i>Main barriers to accessing education</i>	<i>What are the barriers your household faces with sending children to school, either formal or informal?</i>

<i>What modalities do people prefer for different services?</i>	<i>% of households by preference of education support modality</i>	<i>If your household were to receive support for education, what method of support would you prefer?</i>
<i>What are the main security incidents faced by households within the last 2 months?</i>	<i>% of HHs experiencing security incidents in the past 3 months</i>	<i>This next question I will be asking about security incidents that may have happened to you or members of your household. If the questions I ask make you uncomfortable, you do not need to respond.</i>
		<i>Has anyone in your household experienced any security incident in the last three months?</i>
		<i>Where did this incident take place?</i> <i>What was the security incident?</i>
<i>Do household members have legal documentation?</i>	<i>% of adults lacking legal documentation</i>	<i>Of the adults in the household, how many have some form of legal documentation?</i> <i>What types of legal documentation?</i>
	<i>% of children lacking legal documentation</i>	<i>Of the children in the household, how many have a birth certificate?</i>
<i>Do households experience movement restrictions?</i>	<i>Challenges to freedom of movement</i>	<i>Has anyone in your household experienced movement restrictions in your area in the last 3 months?</i>
		<i>What are the reasons for your restricted movement?</i>
<i>Do households have missing or detained members?</i>	<i>% of households reporting a household member missing or detained</i>	<i>Is there any member of your household who is missing or being detained?</i>
		<i>Do you know what happened to that person?</i>
<i>Are members of this community exposed to explosive items?</i>	<i>% of communities exposed to explosive items, and exposure profile</i>	<i>Have you observed/are aware of any people in your community who have been injured or killed by explosive items in the last 3 months?</i>
		<i>What group of people were exposed to the explosive items?</i>
		<i>If yes, do you know what these persons were doing at the time of the accident?</i>
		<i>If yes, what is the type of land contaminated by explosive items?</i>
<i>What are the households top three overall needs?</i>	<i>% of HHs reporting needs, by top three priority needs</i>	<i>What is the first priority need for your household overall?</i>
		<i>What is the second priority need for your household overall?</i>
		<i>What is the third priority need for your household overall?</i>
<i>Have vulnerable households and households in need received humanitarian assistance?</i>	<i>% of households receiving humanitarian assistance, and type of assistance</i>	<i>Has your household received any assistance from any sources in the past 6 months (since January 2018)?</i>
	<i>% of households reporting aid received was appropriate</i>	<i>What was the source of that assistance?</i>
		<i>What was the type of assistance was received?</i>
		<i>Was the aid you received appropriate to your needs or the needs of the community?</i>
<i>Was assistance provided in a safe and dignified manner?</i>	<i>% of households reporting treated with respect by aid workers</i>	<i>If not, why not?</i>
		<i>Did you feel you were treated with respect by aid workers?</i>
		<i>If not, why not?</i> <i>Did you feel safe while receiving assistance?</i>

What are the information needs and methods preferred by households?	Men's, women's girls and boys information needs and preferences	What type of information are you currently receiving from aid providers?
		What type of information would you like to receive from aid providers?
		Who do you trust the most to provide you with reliable information?
		Who is currently providing you with information about humanitarian assistance/aid?
		What means of receiving information do you trust the most?
		Was anyone excluded from the assistance?
	If yes, who was mainly excluded?	
	Barriers to information on assistance	What is preventing you from getting information you need regarding available humanitarian assistance?
Are aid providers responding appropriately to community concerns?	Responsiveness of aid providers	Have you or anyone in your community ever raised any concerns on the assistance you received?
		If yes, how did you raise that concern?
		If yes, were you satisfied with the response you received from aid workers on your concern?
What are the preferred methods of feedback on assistance for households?	Men's women's girls and boys feedback preferences	How would you prefer to provide feedback to aid providers about the quality, quantity and appropriateness of the aid you have or will receive?
	Men, women's girls and boys perceptions about level of participation in decision making	In the last 6 months, have you or leaders in your community been asked about what aid you would like to receive?

ANNEX 3: [H2R: DATA ANALYSIS PLAN]

Research Question	Indicator / Variable	Questionnaire Question
General	Enumerator name	Enumerator ID
	Interview Location	In which State is the interview taking place?
		In which LGA is this interview taking place?
		In which Ward is the interview taking place?
		What type of location is this?
		What is the name of the location
		GPS
	Respondent	What is the name of the respondent
	Respondent Profile	What best describes the respondent
	Verify H2R Target and Location	Do you have recent information from areas outside of your current location that are considered H2R by the humanitarian community?
		In which State is the settlement located?
		In which LGA is this settlement located?
		In which ward is this settlement located?
		What is the name of the settlement?
		What is the name of the closest settlement?
Does this location (settlement) match the list of H2R settlements produced from the REACH 2018 MSNA		
Respondent age	What is your age?	
Respondent gender	What is the sex of the respondent?	
Demographics, population dynamics	% H2R settlements with inhabitants	Do people currently live in the H2R location?
	% H2R settlements people access but don't live	Do you travel back and forth to the settlement and/or have information from those who do?

	Main reasons for travel to H2R	Why do people travel back and forth?
	How long since people last lived in H2R	When did the last residents leave H2R settlement?
	% of settlements with more than half of pre-2009 population remaining	Using the population the settlement in 2009 as the baseline, what proportion of the local community is currently remaining
	% population groups (IDP, returnee, non-displaced) in H2R settlements	Estimate the number of individuals and HHs for each population group (IDP, non-displaced, returnee) in the settlement
	Demographics of non-displaced in H2R settlements	What statement best describes the gender balance of Non-displaced the settlement?
		What statement best describes the age of the Non-displaced living in the location
	Demographics and population dynamics of IDP, returnee and non-displaced	When did the most recent group of IDPs arrive in the settlement
		What statement best describes the gender balance of the IDP population the settlement?
		What statement best describes the age of the IDPs in the settlement?
		When did the most recent group of returnees arrive in the settlement
		What statement best describes the gender balance of the returnees population the settlement?
		What statement best describes the age of the returnees in the settlement?
Key characteristics	Languages in H2R	What is the primary language spoken in the settlement
		What other languages are spoken in the settlement
	Tribes in H2R	What tribes do the current inhabitants of {settlement} come from
Shocks	% of settlements experiencing shock from population arrival	Did the arrival of IDPs or the return of displaced local community members impacted the ability to access enough food in the settlement?
What are the key methods households in H2R access information?	% of settlements with access to modern communication	Are any of the following means of communication available and work in the settlement?
How do inhabitants of H2R access water	Location of settlements main water source	What is the main source of drinking water (clean or unclean) for people living in the settlement
		Where is the main water source used by most people in the settlement
	% of settlements with functioning boreholes and hand pumps	Are there any boreholes (electric/gas submersible pump) or hand pumps in the settlement?

		How many boreholes are functioning? How many hand pumps are functioning?
	% of assessed settlements with enough access to water	Do households in the settlement typically have enough water to meet their daily needs?
	% of assessed settlements with no problem accessing water	What are the problems faced in the settlement when fetching water?
What is the quality of drinking water in H2R?	% of assessed settlements with acceptable quality drinking water	How would you describe the quality of the water coming from main source of drinking water in the settlement?
		If average or bad, why?
Common hygiene practices in H2R?	% of assessed settlements where handwashing is common	What do most people in the settlement use to wash their hands?
Do households have access and use latrines?	% of assessed settlements where a majority of the population uses latrines	What proportion of people in the settlement are using latrines?
		Why are some people in the settlement not using latrines?
What are the most common health problems in H2R	% of settlements experiencing critical health issues	What are the most common health problems in the settlement?
Do households have reasonable access to health care?	% of settlements have accessible health care facilities	Are there health care facilities providing services that can be physically accessed from the settlement now?
		Which types of health facilities are available?
		What are the barriers to accessing health care in the settlement?
	% of settlements reach by the Polio Eradication Campaign	has this settlement been visited in the last 6 months by the Polio Eradication Campaign?
What is the food security situation in H2R?	% of settlements with adequate access to food	What is the main source of food in the settlement?
		Are people currently able to access enough food in the settlement?
	% of settlements experiencing high levels of reported hunger	What is the main reason why people can't access enough food in the settlement?
What type of access to H2R communities have to fuel for cooking?	% of settlements experiencing decreased access to firewood	In the past year, how has the availability of wood for fuel from the surrounding environment changed?
	Most commonly used fuel type for cooking (firewood, charcoal, animal dung, agricultural waste, etc.)	What is the most common source of fuel used for cooking in the settlement?
	% of settlements able to access land for cultivation	Currently, does everyone in the settlement have access to land for cultivation?

Are settlements able to access the resources they needed for crop cultivation and grazing livelihoods?		Did most households in the settlement plant/ harvest crops during the last main rainy season (2017)?
		If there was no or partial harvest in the settlement in 2017, what was the cause?
		Did non-residents travel to the settlement to plant /harvest last main rainy season (2017)
		Are most households in the settlement intending to plant and harvest crops during the current main rainy season? This means they have access to the land and inputs that they need
	Main barriers to access to land for farming and herding	What barriers are there for households in the settlement to accessing land needed for farming or herding?
How do inhabitants of H2R cope when they don't have enough income?	Main coping strategies for lack of income	Are members of the community currently living in the settlement having to engage in any of the following in order to cope with low income? (read options out loud)
What is the shelter living situation for households?	primary shelter type by population group in community	What is the main shelter type currently used by the non-displaced in the settlement?
		What is the main shelter type currently used by the IDPs in the settlement?
		What is the main shelter type currently used by the returnees in the settlement?
		What shelter building materials are currently available in the settlement
What is the type and severity of shelter damage?	% of settlements with extensive shelter damage	What proportion of shelters are currently destroyed in the settlement
What severity and extent were communities affected by flooding during the current rainy season?	% of settlements impacted by flooding	During the current rainy season (2018), did flooding occur in the settlement?
		What proportion of the households in the settlement were affected by the flooding this year (2018)?
		How severe was the worst flooding in 2018?
		To your knowledge, are areas in the settlement still flooded?
What severity and extent were communities affected by flooding during the last rainy season?	% communities affected by flooding in the last rainy season	During the last rainy season (2017), did flooding occur in the settlement?
		What proportion of the households in the settlement were affected by the flooding in 2017?
		How severe was the worst flooding in 2017?

What are the critical NFI needs for communities?	missing NFIs	Which of the following items are there a severe shortage of in the settlement?
Are educational services available in H2R and what barriers exist to accessing them?	% of settlements with access to education	Are formal educational services currently available and accessible from the settlement?
		What is the main reason that formal education services are not available in the settlement?
		Are informal educational services currently available and accessible from the settlement?
	Primary barriers to accessing education	What are the barriers to sending children to school, either formal or informal, in the settlement?
What protections concerns exist in H2R	Primary safety concerns	To what extent do current residents of the settlement feel safe?
		What is the main safety concern for MEN 18 years or older in the settlement now?
		What is the main safety concern for WOMEN 18 years or older in the settlement now?
		What is the main safety concern for BOYS younger than 18 years in the settlement now?
		What is the main safety concern for GIRLS younger than 18 years in the settlement now?
What are the current relations between population groups in H2R?	% of settlements experiencing poor relations between population groups	How are the current relations between IDPs and non-displaced in the settlement ?
		How are the current relations between returnees and the non-displaced in the settlement?
		How are the current relations between IDPs and returnees in the settlement?
What movement restrictions exist in H2R?	Primary restrictions to freedom of movement	Does the population in the settlement experience movement restrictions (enforced or not enforced)?
		What are the reasons for restrictions in movement?
Are settlements in H2R potentially exposed to hazards associated with UXOs	% of settlements with potential UXO hazards	Have you observed/are aware of the presence of explosives such as land mines, unexploded bombs, stray munitions, etc. in the settlement?
		If yes, what is the type of land contaminated by explosive items?
		What group are exposed to explosives in the settlement?
		Have you observed/are aware of any people in the settlement who have been injured or killed by explosive items in the last 3 months?

What are the priority needs of settlements in H2R?	priority needs by settlement	What is the first priority need for people in the settlement?
		What is the second priority need for people in the settlement?
		What is the third priority need for people in the settlement?
Have vulnerable populations and populations in need received humanitarian assistance?	% of settlements having received humanitarian assistance in the last 6 months	Have households in the settlement received any assistance from any sources in the past 6 months?
		What was the source of that assistance?
		What was the type of assistance was received?
Are settlements in H2R receiving aid relevant and appropriate to their needs in an inclusive manner?	% of settlements receiving humanitarian assistance appropriate to their needs	In your opinion, was the aid the community received appropriate to the needs of the people in the settlement?
		If not, why not?
	Excluded population groups	Was anyone in the settlement excluded from the assistance?
		If yes, who was mainly excluded?