

Research Terms of Reference: Joint Multi-Cluster Needs Assessment 2018

Somalia

June 2018

REACH Informing more effective humanitarian action

1. Executive Summary

Country of intervention	<i>Somalia</i>		
Type of Emergency	<input type="checkbox"/> Natural disaster	<input type="checkbox"/> Conflict	
Type of Crisis	<input type="checkbox"/> Sudden onset	<input type="checkbox"/> Slow onset	<input type="checkbox"/> Protracted
Mandating Body/ Agency	<i>OCHA and ICCG</i>		
Project Code			
Overall Research Timeframe	01/04/2018 to 01/10/2018		
Research Timeframe	1. Start collect data: 27/06/2018	4. Data sent for validation: 16/08/2018	
	2. Data collected: 01/08/2018	5. Outputs sent for validation: 01/09/2018	
	3. Data analysed: 06/07/2018 (data analysis per district will run in parallel to data collection)	6. Outputs published: 13/09/2018	
Number of assessments	<input type="checkbox"/> Single assessment (one cycle)		
Humanitarian milestones	Milestone	Deadline	
	<input type="checkbox"/> Donor plan/strategy – HNO/HRP	01/09/2018	
	<input type="checkbox"/> Inter-cluster plan/strategy – IPC seasonal analysis	08/08/2018	
Audience Type & Dissemination	Audience type	Dissemination	
	<input type="checkbox"/> Strategic <input type="checkbox"/> Programmatic <input type="checkbox"/> Operational	<input type="checkbox"/> General Product Mailing (e.g. mail to NGO consortium; HCT participants; Donors) <input type="checkbox"/> Cluster Mailing (Education, Shelter and WASH) and presentation of findings at next cluster meeting <input type="checkbox"/> Presentation of findings (e.g. at HCT meeting; Cluster meeting) <input type="checkbox"/> Website Dissemination (Relief Web & REACH Resource Centre) <input type="checkbox"/> Joint Analysis Workshops in Mogadishu, Hargeisa, Nairobi	
Detailed dissemination plan required	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
General Objective	The objective of this assessment is to effectively inform the humanitarian response in the context of the ongoing drought and displacement crisis in Somalia by providing		

	humanitarian actors with a nationwide, district-level, multi-cluster analysis of current population needs and dynamics.		
Specific Objective(s)	<ol style="list-style-type: none"> 1. To build a snapshot of the current humanitarian needs and gaps in Somalia (post-Gu season) to inform the Humanitarian Need Overview and Humanitarian Response Plan for 2019 2. To encourage inter-sectoral joint analysis to build linkages in response planning for 2019 3. To identify variations in need between different geographic area and population groups in order to support prioritisation of response planning 		
Research Questions	<ul style="list-style-type: none"> • What are the key household priorities and needs in Somalia? • What is the level of access to basic services, including health, WASH, education and shelter? Are any groups being excluded from basic service access? • Which population groups are most vulnerable? • What protection concerns are currently affecting populations in Somalia, and how do they intersect with other key needs? • Do answers to the above questions vary according to: <ul style="list-style-type: none"> - District and region? - IDP vs. non-IDP populations? - Rural vs. urban populations? • In what ways can humanitarian actors respond to the current population needs and gaps in an integrated, multi-sectoral way? 		
Geographic Coverage	Full country coverage (approx 55 districts, of a total 73 ¹)		
Secondary data sources	See Annex 1 for secondary data review reference list		
Population(s)	<input type="checkbox"/> IDPs in camp <input type="checkbox"/> IDPs in host communities <input type="checkbox"/> Refugees in camp <input type="checkbox"/> Refugees in host communities <input type="checkbox"/> Non-displaced (hosting) <input type="checkbox"/> Returnees	<input type="checkbox"/> IDPs in informal sites <input type="checkbox"/> IDPs [Other, Specify] <input type="checkbox"/> Refugees in informal sites <input type="checkbox"/> Refugees [Other, Specify] <input type="checkbox"/> Non-displaced (not hosting) <input type="checkbox"/> [Other, Specify]	
Stratification	<input type="checkbox"/> Geographical #: district Population size per strata is known? <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Group #: displaced/ non-displaced Population size per strata is known? <input 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	<input type="checkbox"/> Structured (Quantitative)		<input type="checkbox"/> Semi-structured (Qualitative)
	Sampling method	Data collection method	
Structured data collection tool # 1	<input type="checkbox"/> Purposive <input type="checkbox"/> Probability / Simple random <input type="checkbox"/> Probability / Stratified simple random <input type="checkbox"/> Probability / Cluster sampling <input type="checkbox"/> Probability / Stratified cluster sampling	<input type="checkbox"/> Key informant interview (Target #):_____ <input type="checkbox"/> Group discussion (Target #):_____ <input type="checkbox"/> Household interview (Target #): 15,000 (approx) <input type="checkbox"/> Individual interview (Target #):_____ <input type="checkbox"/> Direct observations (Target #):_____ <input type="checkbox"/> [Other, Specify] (Target #):_____ 	

¹ 55 districts were selected based on accessibility and population size. The 73 districts refer to the OCHA pre-war demarcations.

	<input type="checkbox"/> [Other, Specify]		
Target level of precision if probability sampling	92% level of confidence		10+/- % margin of error
Data management platform	<input type="checkbox"/> IMPACT Kobo	<input type="checkbox"/> OCHA	
	<input type="checkbox"/> [Other, Specify]		
Expected output type(s)	<input type="checkbox"/> Situation overview #:	<input type="checkbox"/> Report #: 1	<input type="checkbox"/> Profile #: 49 (7 cluster level profiles per 7 Federal Member States)
	<input type="checkbox"/> Presentation (Preliminary findings) #: 7 (cluster level)	<input type="checkbox"/> Presentation (Final) #: 2 (one for Somalia, one for Somaliland)	<input type="checkbox"/> Factsheet #: 50+ (1 per district)
	<input type="checkbox"/> Interactive dashboard #:_	<input type="checkbox"/> Webmap #: _ _	<input type="checkbox"/> Map #: 20+ (2-3 per assessed Federal Member State, 8-10 national-level maps)
	<input type="checkbox"/> [Other, Specify] #: _ _		
Access	<input 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	OFDA (Donor), OCHA, ICCG		

2. Rationale

2.1. Rationale

Ongoing drought conditions have contributed to a rapid deterioration of the humanitarian context in Somalia, with four successive seasons of below average rainfall in many parts of the country². Drought has resulted in substantial livestock herd depletion and a reduction in cereal production, while cereal prices have risen to well above the average, resulting in reduced household access to food and income. Additionally, parts of South Central Somalia, and coastal areas in Puntland and Somaliland experienced severe flooding in the first half of 2018, causing further waves of displacement and destruction of agricultural land. Furthermore, insecurity and the presence of active armed groups continue to limit humanitarian access, most notably in the South Central region of Somalia. As the strain on households increases, exacerbated by displacement and constrained resources, there is an increasing need for integrated and harmonised information systems to support drought and displacement responses. In this rapidly evolving context, the need for continued assessments and mapping activities has become ever more crucial.

To address these information needs, REACH will support the second Joint Nationwide Multi-Cluster Needs Assessment (JMCNA) across Somalia. This assessment will complement the JMCNA conducted in 2017, as well as pre-existing Food Security and Nutrition Analysis Unit (FSNAU) seasonal needs assessments, which are widely used and supported but primarily focused on food security and conducted twice per year at the livelihood zone level. The JMCNA will fill several gaps left by the seasonal needs assessments by ensuring that baseline needs relevant to each cluster are assessed in a way that can be easily and frequently updated, by encouraging multi-cluster coordination through the joint planning and implementation of the assessment itself, and by facilitating response planning at the more operationally relevant district level. This assessment is designed to inform partners at the strategic level and as such is timed to take place in advance of

² FSNAU. 2017. Climate update: September 2017 monthly rainfall and normalised difference vegetation index (NDVI).

the beginning of the Humanitarian Needs Overview and Humanitarian Response Plan process, which is scheduled to begin in September 2018.

3. Methodology

3.1. Methodology overview

The assessment will consist of a secondary data review (SDR) in order to pull together all existing NGO and UN reports, recent assessments, academic articles, security updates and cluster flash updates. The SDR will provide the contextual background upon which the results of the JMCNA will be framed. Secondary data will also be used to draw the sample frames for the host community and IDP strata.

Alongside the SDR, the assessment will include primary data collection through a household survey. The key indicators and survey tool will be designed in consultation with all clusters, as well as representatives from the Assessment Working Group (AWG), Office for the Coordination of Humanitarian Affairs (OCHA) and the Inter-Cluster Coordination Group (ICCG).

2.2. Population of interest

- Rationale for areas of interest:
 - District: given that the JMCNA is targeting the strategic-level response, the sample will be representative at the district level. District-level findings can then be aggregated to the regional, state and national level in order to explore broader regional trends.
 - Population assessed: All population groups. Sampling will be stratified by non-displaced/IDP households, to allow for comparisons to be drawn.
 - Unit of measurement: Household.

2.3. Secondary data review

- See Annex 1 for SDR reference list

2.4. Primary Data Collection

Primary data collection will be comprised of a household survey which has been designed in participation with the humanitarian clusters in Somalia. Cluster leads were asked to submit key indicators to be measured during the JMCNA. Based on this REACH drafted the household tool, which then went through several rounds of feedback by the cluster partners, FSNAU and OCHA before being finalised.

The assessment will use stratified cluster sampling at the district level, using settlements as the clusters and households as the unit of measurement. For some districts, 2-stage random sampling will be used instead of cluster sampling, if it proves to be more efficient and logistically feasible for data collection.³ The sample will be stratified by population group, disaggregated by host community settlements (as per WorldPop 2015 data⁴, cross referenced with the OCHA Somalia settlement list) and IDP settlements (taken from the Camp Coordination and Camp Management (CCCM) Detailed Site Assessment (DSA) of IDP sites⁵). In the case of cluster sampling, the minimum cluster size will be 6. The sample size was adjusted for the design effect and will enable generalisation of the results to each of the two population strata in each district, with a 92% confidence level and a 10% margin of error.

Whilst samples will be randomly generated from the two settlement lists for each district, the prevalence of insecurity in many rural areas in South Central Somalia will likely prevent some settlements from being accessible during data collection. In order to mitigate against the potential reduction in sample size that this might have, a larger buffer size of 30% will be added to the samples drawn from host community settlements in South Central and Puntland. In addition, in some districts in South Central Somalia and Puntland the sample was adjusted to only include accessible settlements, which may have

³ Please refer to Sampling Framework in Annex for the sampling strategy used per district.

⁴ WorldPop Somalia data available online here: http://www.worldpop.org.uk/data/WorldPop_data/AllContinents/570_metadata.html [last accessed 27/06/18]

⁵ CCCM Cluster Somalia & REACH. 2018. Detailed Site Assessment: IDP Site Master List.

resulted in some bias in the data. Insecurity in Somaliland is far less prevalent than in Puntland and South Central Somalia, meaning that the sample in Somaliland will only require a 10% buffer. Additionally, for logistical reasons some districts with larger urban populations, such as Garowe, will use simple random sampling, rather than clustered, in order to avoid drawing sample sizes which are unrealistically high. For a summary of the sample frame, including a breakdown of which districts had simple versus clustered sampling please see Annex 2.

The assessment will target a minimum of 55 districts, out of a total of 73⁶, in order to ensure representative coverage. Data collection will take place after Eid, beginning in the last week of June, and running until the first week of August 2018. Where available, REACH will work with partner organisations to coordinate data collection on the ground, and will hire external enumerators in areas where partners are not present or not available. Where possible, enumerators with prior experience with SIRNA will be used. REACH field staff (x8) will hold a series of training of trainers (ToTs) in key districts, in order to train team leaders from other districts. Team leaders will then conduct enumerator training in their respective districts, and will act as focal points for coordination and data cleaning.

Following this, data collection will commence. Households will be randomly selected according to the sampling framework, with the questionnaire being administered either to the head of household or anyone else able to speak on behalf of the household. Households will be selected for interview using a systematic on-site selection approach: (1) Enumerators meet at the center of the targeted settlement, spin a pen and each enumerator starts walking in a direction towards the edge of the settlement as shown by the pen (2) On his/ her way to the edge, he/ she counts either the number of households passed or the time taken to reach the edge (depending on how big the settlement is); (3) Once he/ she reaches the edge they then determine the threshold for which household to interview on the route based on: # of HHs in the route or time taken to reach the edge divided by the target # of HHs to be interviewed per enumerator (4) The enumerator then starts walking back towards the center and assesses every xth household (with xth as determined by the formula in point #3).

2.5. Data Processing & Analysis

At the end of each day, the field coordinators will ensure that the data is uploaded from the smartphones used by the enumerators to the Kobo Collect server. The entries will then be checked and cleaned by the Assessment Officer, with any points for follow-up provided to the field staff during their daily briefing with enumerators. In cases where using smartphones for data collection is inadvisable due to security constraints, enumerators will complete hard copies of the tool. REACH Field Officers will manually enter this data and submit to the Assessment Officer on a daily basis. In addition to the daily data checks, the final dataset for each district will then undergo a thorough cleaning, with any outstanding issues reported to field staff for feedback. In order to standardize this process two tools will be used:

- Data cleaning standard operating procedure: a step by step guide for key data cleaning issues, including checking the time stamp of each survey, issues with skip logic and outliers. The SOP will be developed based on the JMCNA household tool. Please see Annex 3 for the SOP.
- Data cleaning R script: to help automate some of the biggest data cleaning issues, such as translations

Data analysis will be done using a similar framework to that of the Multi-cluster Initial Rapid Needs Assessment (MIRA) model, adapted to the Somali context, with the vulnerability thresholds determined by the cluster partners. Following the analysis, findings will be assembled into a presentation for a Joint Analysis Workshop (JAW) with operational partner organisations. At the JAW, REACH will present the quantitative and qualitative findings, with partners providing their interpretations of findings (e.g. reasons why certain options were more frequently chosen than others for a given question) and thoughts on its implications, based on their sectoral and contextual knowledge. At the end of the presentation, REACH and partners will have a wrap-up discussion in which conclusions regarding the overall research objective are agreed upon,

⁶ According to the OCHA pre-war settlement list.

along with the recommendations for partners stemming from those conclusions. The conclusions from the JAW will also be used to inform the national-level assessment following this pilot.

3. Roles and responsibilities

Table 2: Description of roles and responsibilities

Task Description	Responsible	Accountable	Consulted	Informed
<i>Research design</i>	Assessment Manager	Regional Coordinator	Cluster Coordinators, OCHA, HQ	Clusters, ICCG
<i>Supervising data collection</i>	Assessment Officer (x5) ⁷	Assessment Manager	Senior Field Manager	HQ, AWG, ICCG
<i>Data processing (checking, cleaning)</i>	Field staff (x6)	Senior Field Manager, Assessment Officer	HQ, GIS Staff (x4)	HQ, GIS Manager
<i>Data analysis</i>	Assessment Officer (x5) ⁸	Assessment Manager	HQ, GIS Manager	AWG, Clusters
<i>Output production</i>	Assessment Officer	Assessment Manager	HQ, GIS Manager	AWG, Clusters
<i>Dissemination</i>	Assessment Manager	Regional Coordinator	Clusters, AWG	ICCG, HCT
<i>Monitoring & Evaluation</i>	Assessment Officer	Assessment Manager	HQ	Regional Coordinator, HQ
<i>Lessons learned</i>	Assessment Manager	Regional Coordinator	All staff involved in assessment, AWG	Clusters, ICCG

Data Analysis Plan

The IASC MIRA Analytical Framework⁹ has been chosen to guide data collection and analysis. The MIRA Analytical Framework guides the collection, collation and analysis of secondary and primary data, and is based on the MIRA, which is a joint needs assessment tool that can be used in sudden onset emergencies to inform and support the design of subsequent needs assessment and analysis. The purpose of the MIRA Analytical Framework is to ensure that assessment planning and execution is comprehensively done, and to enable humanitarian actors arrive at a common understanding of where humanitarian needs are most severe, and which population groups are most in need of humanitarian assistance.

Joint Multi Cluster Needs Assessment: Analysis Framework

Existing vulnerabilities and risks		
Vulnerability indicator	Survey Question	Response if vulnerable
Household age dependency ratio	How many household members are aged 17 and below, or 70 and above	>=50%

⁷ The REACH team will be divided into regional groups with an AO, FO, and GISO in each group to manage the data collection.

⁸ AOs will be responsible for analysis for the region that they have covered during data collection.

⁹ Multi-sector Initial Rapid Assessment Guidance, Revision July 2015, IASC

Household head is female	Who is the main breadwinner of the household? Who decides on household expenditure?	If both questions are answered adult female then = female hh (cross ref with demographic data from hh)
Household head is a child	Who is the main breadwinner of the household? Who decides on household expenditure?	If both questions are answered child (under 18) then = child hh (cross ref with demographic data from hh)
HH member suffer of chronic illness / disabilities / pregnant / lactating	How many household members are suffering of chronic illness and/or live with disabilities and/or are pregnant and/or lactating?	>0

Humanitarian needs/outcomes & Physical disruption of key infrastructures and losses		
Protection indicator	Survey Question	Response if protection need
Child labour	What type of work are children in this household engaged with?	Not "none"
Family separation	Were any household members separated from the household within the past three months/90 days?	"Yes"
Free movement	Are people able to move freely in this community and the surrounding area?	"No"
Insecurity	Has anyone in the community felt or feared insecurity at any point in the last 3 months/90 days?	"Yes"
Safety in the community	Are there areas in your community where people do not feel safe?	"Yes"
Food security and livelihoods indicator	Survey Question	Response if there is an FSL need
Food consumption score	Food consumption score question route	Poor < 28; Borderline $\geq 28 \leq 42$; Acceptable > 42
Household hunger score	HHH score question route	
Adequate cereal stocks	How many days will your current cereal stocks last?	
	Is your household currently able to access enough food?	No
Shelter/NFI indicator	Survey question	Response if there is a shelter need
HH living in permanent or semi-permanent shelter	What is the type of the main shelter?	A household is in need of shelter if they are currently occupying a shelter unit categorized as "Emergency", "Buul", "Tent", or "Open air" as per the choices in the tool
Covering material adequate	What is the primary wall/roof covering	Plastic sheet or "Clothes/ rags"
Internal separation in shelter	Is there internal separation of rooms within the shelter?	"No"
Source of light at night	Is there a source of light at night?	"No"
Lockable from the inside	Can you lock your shelter from the inside?	"No"
Access to non-food items in usable conditions	What NFI items does the household have in good condition/poor but usable condition?	Not "all"

Sleeping mat capacity matches total household size	What is the total capacity of all usable mats, in number of people that can sleep on them?	answer < total household size
Blanket capacity matches total household size	What is the total capacity of all usable blankets, in number of people that can sleep on them?	answer < total household size
WASH indicator	Survey question	Response if there is a WASH need
Access to protected water source for drinking/domestic use	What was your primary source of drinking water in the last 30 days? In the last 30 days did your household use other sources of water to drink, cook or bathe?	Unprotected water source
Adequate water access	Water per person per day question loop	<15 litres per person per day
Adequate water access	In the last 30 days did you have enough water to meet your household needs?	no
Water source easily accessible on foot	How long by foot does it take to reach your primary water source from your home?	30 minutes or more
Adequate containers to collect/store water	How many containers do you have to collect water?	10-20 litre capacity jerry can per household
Household access to soap	Do you have soap in your household?	"No"
Household access to latrine	Does your household have access to a latrine?	"No"
Latrines gender segregated	Are latrines used by your household separated by gender?	"No"
Latrines disabled access	Are latrines used by your household accessible for disabled people?	"No"
Latrines lockable	Are latrines used by your household lockable from the inside?	"No"
Latrines with handwashing facilities	Do latrines used by your household have functional facilities for handwashing?	"No"
Latrines with lighting at night	Do latrines used by your household have lighting at night?	"No"
Health indicator	Survey question	Response if there is a health need
Access to a health facility	Are you currently able to access a health facility?	"No"
Health facility type	If yes, what kind of facility is it?	traditional_healer, pharmacy, shop_drugs, other
Health facility easily accessible on foot	If you do have access to a healthcare facility, how long does it take you by foot to access it?	Over one hour
Nutrition indicator	Survey question	Response if there is a nutrition need
Access to nutrition assistance	Are you currently able to access nutrition assistance? (if there is a kid in need of nutrition service, MUAC orange or red)	"No"
Nutrition services easily accessible on foot	How long by foot does it take you to access the nutrition facility?	Over one hour

MUAC screening	MUAC Screening loop	1 or more children aged under 5 in household identified as being malnourished
Education indicator	Survey question	Response if there is an education need
School aged children attending school	School attendance question route	1 or more school-aged children not attending school chores, emergency, fees, distance, no_school, overcrowding, teaching_quality, labour, violence_on_the_way, violence_at_school, no_gendered_facilities, lack_wash_facilities
	reason why not Not attending school	
Gaps in capacity/response		
	Survey question	Response if capacity gap
Household receiving assistance	In the past 6 months, has your household, or a member within it, received any humanitarian assistance in the current location?	"No"
Access to savings and loans association	Have you accessed a savings and loans association in the last 6 months?	"No"
Do not need to use livelihood coping strategies	In the past 30 days have you used any of the following livelihood coping strategies? AND Are any of these coping strategies no longer available to you because you have already used them before the previous month?	HH answers "yes" to either question
One or less income sources	What were your household's 3 primary sources of income/household financial support in the past year? (aggregated)	<=1
Do not need to use consumption coping strategies	In the past 7 days how many times did your household use the following coping strategies	Low < 5; Medium ≥ 5 ≤ 20; Severe > 20
Operational constraints		
	Survey question	Response if vulnerable
Food access	What are the top two reasons why your household is unable to access enough food?	Not "none"
School accessible	If any children in the household do not attend education what is the reason?	Not "none"
Water accessible	In the last 30 days did you have enough water to meet your household needs? If no, what were the reasons?	Not "none"
Health access	What is preventing you from accessing a health facility?	Not "none"

5. Data Management Plan

Administrative Data	
Research Cycle name	Somalia JMCNA
Project Code	27DDK/27CQY
Donor	OFDA
Project partners	OCHA
Research Contacts	Anna Tomson Assessment Manager anna.tomson@reach-initiative.org

		Abdiweli Shukri Senior Field Manager Abdiweli.shukri@reach-initiative.org	
Data Management Plan Version	Date: 27/06/2018	Version: _01	
Related Policies		ACTED Data Protection Policy	
Documentation and Metadata			
What documentation and metadata will accompany the data? <i>Select all that apply</i>	<input type="checkbox"/>	Data analysis plan	<input type="checkbox"/> Data Cleaning Log, including: <input type="checkbox"/> Deletion Log <input type="checkbox"/> Value Change Log
	<input 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 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 type="checkbox"/> Gender, child protection and other protection issues are taken into account
	<input type="checkbox"/>	All participants reached age of majority	<input type="checkbox"/> [Other, Specify] All personally identifiable data will be removed and the dataset fully anonymised prior to sharing
Who will own the copyright and Intellectual Property Rights for the data that is collected?	REACH, OCHA		
Storage and Backup			
Where will data be stored and backed up during the research?	<input type="checkbox"/>	IMPACT/REACH Kobo Server	<input type="checkbox"/> Other Kobo Server: <i>[specify]</i>
	<input type="checkbox"/>	IMPACT Global Physical / Cloud Server	<input type="checkbox"/> Country/Internal Server
	<input type="checkbox"/>	On devices held by REACH staff	<input type="checkbox"/> Physical location <i>[specify]</i>
	<input type="checkbox"/>	[Other, Specify]	
Which data access and security measures have been taken?	<input type="checkbox"/>	Password protection on devices/servers	<input type="checkbox"/> Data access is limited to REACH assessment and field 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 type="checkbox"/> [Other, Specify]
Data Sharing			
Will the data be shared publically?	<input type="checkbox"/>	Yes	<input type="checkbox"/> No, only with mandating agency / body
Will all data be shared?	<input type="checkbox"/>	Yes	<input type="checkbox"/> No, only anonymized, cleaned data will be shared
	<input type="checkbox"/>	No, [Other, Specify]	

Where will you share the data?	<input type="checkbox"/>	REACH Resource Centre	<input type="checkbox"/>	OCHA HDX
	<input type="checkbox"/>	HumanitarianResponse	<input type="checkbox"/>	[Other, Specify]
Responsibilities				
Data collection	Abdiweli Shukri, Senior Field Manager, Abdiweli.shukri@reach-initiative.org			
Data cleaning	Steve Coughlan, GIS Manager, Stephen.coughlan@reach-initiative.org			
Data analysis	Anna Tomson, Assessment Manager, anna.tomson@reach-initiative.org			
Data sharing/uploading	Dennis Mutai, GIS Specialist, Nairobi.gis@reach-initiative.org			

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	# of downloads of final report from Resource Center # of downloads of sector profiles from Resource Center # of downloads of district factsheets from Resource Center	Country request to HQ	User_log	<input type="checkbox"/> Yes
		# of downloads of final report from Relief Web # of downloads of sector profiles from Relief Web # of downloads of district factsheets from Relief Web	Country request to HQ		<input type="checkbox"/> Yes
	Number of individuals accessing IMPACT services/products	# of page clicks on final report from REACH global newsletter	Country request to HQ		<input type="checkbox"/> Yes
		# of page clicks on final report from country newsletter, sendingBlue, bit.ly # of page clicks on sector profiles from country newsletter, sendingBlue, bit.ly # of page clicks on district factsheets from country newsletter, sendingBlue, bit.ly	Country team		<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	<i>Somalia HNO 2019, Somalia HRP 2019</i>
		# references in single agency documents			<i>Food Security Cluster response plan 2019</i>
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	<i>Survey monkey to be conducted in November 2018 following joint analysis workshops and release of all products targeting at least 30 partners (including all partners involved in data collection)</i>
	Number of humanitarian documents (HNO, HRP, cluster/agency strategic	Perceived usefulness and influence of IMPACT outputs			
		Recommendations to strengthen IMPACT programs			

	plans, etc.) directly informed by IMPACT products	Perceived capacity of IMPACT staff			
		Perceived quality of outputs/programs			
		Recommendations to strengthen IMPACT programs			
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	Country team	Engagement_log	<input type="checkbox"/> Yes
		# of organisations/clusters inputting in research design and joint analysis			<input type="checkbox"/> Yes
		# of organisations/clusters attending briefings on findings;			<input type="checkbox"/> Yes

ANNEX 1: SECONDARY DATA REVIEW REFERENCE LIST

Famine Early Warning System Network, and Food Security and Nutrition Analysis Unit. *Somalia Food Security Alert May 11: Heavy Gu rainfall leads to widespread flooding*. 2018. <http://fews.net/east-africa/somalia/alert/may-2018>.

Famine Early Warning System Network, and Food Security and Nutrition Analysis Unit. "Food Security Outlook: Above-average rainfall throughout 2018 expected to drive improvements in food security." Last modified June 2018. <http://fews.net/east-africa/somalia/food-security-outlook/june-2018>.

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ANNEX 2: SUMMARY SAMPLE FRAME

Region	District	Target Site	IDP/Host	Population	Sample with buffer
Lower Shabelle	Afgooye	Abroone Camp	IDP	650	30
Lower Shabelle	Afgooye	Camp Eylo	IDP	295	10
Lower Shabelle	Afgooye	Camp saddex buurod	IDP	287	18
Lower Shabelle	Afgooye	Carbiska	HC	1398	8
Lower Shabelle	Afgooye	Gosha iyo Gendiga Camp	IDP	350	16
Lower Shabelle	Afgooye	If iyo Akhiro Camp	IDP	374	14
Lower Shabelle	Afgooye	Lafoole	HC	6876	42
Lower Shabelle	Afgooye	ONAT Camp	IDP	187	10
Lower Shabelle	Afgooye	Shukurow	HC	72	1
Lower Shabelle	Afgooye	Siinka Dheer	HC	3665	11
Lower Shabelle	Afgooye	Wakaaladda Biyaha	HC	9159	39
Lower Juba	Afmadow	Afmadow	HC	1610	85
Lower Juba	Afmadow	Cameroon	IDP	200	40
Lower Juba	Afmadow	Camp Bilisa	IDP	117	10
Lower Juba	Afmadow	Camp Buale	IDP	500	30
Lower Juba	Afmadow	Dagmareer	IDP	55	5
Lower Juba	Afmadow	Danwadaag	IDP	72	5
Lower Juba	Afmadow	Dhobley	IDP	402	20
Lower Juba	Afmadow	Garas Gacanlow	IDP	480	60
Lower Juba	Afmadow	Haji Qaliif	IDP	56	10
Lower Juba	Afmadow	Hindey	IDP	75	5
Lower Juba	Afmadow	QOOQAANI	HC	3449	95
Lower Juba	Afmadow	TAABDO	HC	595	20
Gedo	Baardheere	Aaminaay	HC	17	5
Gedo	Baardheere	Buulo Caddey	HC	21	5
Gedo	Baardheere	Buulo Kurmaan	HC	147	31
Gedo	Baardheere	Buulo Weyn	HC	92	26
Gedo	Baardheere	Buulogediyo	IDP	185	11
Gedo	Baardheere	Camp Xabaal Cadeey	IDP	500	36
Gedo	Baardheere	Gel Gel Ba'lid	HC	42	7
Gedo	Baardheere	Hureyna	HC	25	5
Gedo	Baardheere	Kaskey	HC	155	8
Gedo	Baardheere	Kuloow	IDP	178	10
Gedo	Baardheere	Kurmaan	IDP	245	16
Gedo	Baardheere	Mardha	HC	34	5
Lower Juba	Badhaadhe	Barahowle	HC	300	24
Lower Juba	Badhaadhe	Burgabo	HC	2300	30
Lower Juba	Badhaadhe	Kidimani	HC	190	6
Lower Juba	Badhaadhe	Komawalla	HC	200	12
Lower Juba	Badhaadhe	Kudhaa	HC	1800	24
Lower Juba	Kismayo	Madawa	HC	850	30
Lower Juba	Badhaadhe	Manarani	HC	850	6
Lower Juba	Badhaadhe	Oddow	HC	650	36
Lower Juba	Badhaadhe	Sarjajab	HC	380	12

Lower Juba	Badhaadhe	Tosha	HC	570	6
Lower Juba	Badhaadhe	Warseer	HC	157	6
Lower Juba	Badhaadhe	Yora	HC	320	6
Sanaag	Badhan	Badhan	HC	18935	45
Sanaag	Badhan	Carraweyn	HC	100	5
Sanaag	Badhan	Middigale	IDP	300	5
Bay	Baidoa	Aawdiinle	HC	78	5
Bay	Baidoa	Al-furqaan 3	IDP	230	5
Bay	Baidoa	Alla aamin	IDP	210	5
Bay	Baidoa	Baidoa	HC	32404	105
Bay	Baidoa	Bakalaabow	IDP	200	5
Bay	Baidoa	Ban-busul	IDP	180	5
Bay	Baidoa	Bootis	IDP	200	5
Bay	Baidoa	buulo	IDP	200	5
Bay	Baidoa	Dalandool 3	IDP	168	5
Bay	Baidoa	Dooday	IDP	275	5
Bay	Baidoa	Gardiile	IDP	280	5
Bay	Buur_hakaba	Hagarow	HC	176	5
Bay	Baidoa	Kulunoy keerane	IDP	180	5
Bay	Baidoa	maleel	IDP	150	5
Bay	Baidoa	Maraayle 2	IDP	150	5
Bay	Baidoa	Minafaafle 2	IDP	150	5
Bay	Baidoa	Tabaarak	IDP	185	5
Bay	Baidoa	Tahriibdiid	IDP	107	5
Bay	Baidoa	Tooro toorow	IDP	153	5
Bay	Baidoa	Wanaag	IDP	40	5
Bay	Baidoa	Wejido 2	IDP	195	5
Middle Shabelle	Balcad	Balcad	HC	12000	156
Middle Shabelle	Balcad	Cali yale	HC	250	6
Middle Shabelle	Balcad	Farax Gololey	HC	953	18
Middle Shabelle	Balcad	Korreebe	HC	470	12
Middle Shabelle	Balcad	Kurshale	HC	295	6
Middle Shabelle	Balcad	Yaaqle	HC	496	12
Bari	Bandarbayla	Bandarbayla	HC	101	34
Bari	Bandarbayla	Dhuudo	HC	61	25
Galgaduud	Cabudwaaq	Baadbaado	IDP	72	6
Hiraan	Belet_Weyne	Badbaado	IDP	72	6
Hiraan	Belet_Weyne	Ciiltire	IDP	150	12
Hiraan	Belet_Weyne	Ciiltire camp	IDP	215	6
Hiraan	Belet_Weyne	Dagmada ceel cali 1	IDP	400	6
Hiraan	Belet_Weyne	Daruuf	IDP	150	6
Hiraan	Belet_Weyne	DAYAX	IDP	150	6
Hiraan	Belet_Weyne	Doomeey	IDP	782	12
Hiraan	Belet_Weyne	Doonsubagle	IDP	200	6
Hiraan	Belet_Weyne	Ex Airbor 2	IDP	30	6
Hiraan	Belet_Weyne	Gabooye3	IDP	50	6
Hiraan	Belet_Weyne	Kulmiye 2	IDP	375	6
Hiraan	Belet_Weyne	Nasiib	IDP	400	6
Hiraan	Belet_Weyne	Wabi shabele	IDP	150	6

Hiraan	Belet_Weyne	Wadajir1	IDP	260	18
Hiraan	Belet_Weyne	X Aalborg 1	IDP	320	6
Hiraan	Belet_Weyne	Bacad	HC	350	12
Hiraan	Belet_Weyne	Baslawe	HC	130	6
Hiraan	Belet_Weyne	Bundoweyn	HC	2200	30
Hiraan	Belet_Weyne	Elgal	HC	250	12
Hiraan	Belet_Weyne	GARGAAR	IDP	350	12
Hiraan	Belet_Weyne	Hawo Tako	HC	1850	6
Hiraan	Belet_Weyne	Helikiliyo	HC	80	6
Hiraan	Belet_Weyne	Howl-wadag	HC	2400	60
Hiraan	Belet_Weyne	Ilkacado	HC	125	6
Hiraan	Belet_Weyne	Jawil	HC	430	6
Hiraan	Belet_Weyne	Koshin	HC	2500	54
Hiraan	Belet_Weyne	Leebow	HC	385	12
Gedo	Belet_Xaawo	Belet Xaawo	HC	1091	94
Gedo	Belet_Xaawo	Beledxaawi Section 6	IDP	376	35
Gedo	Belet_Xaawo	Dhagaxley	IDP	1653	70
Gedo	Belet_Xaawo	Idman	IDP	556	20
Gedo	Belet_Xaawo	Kamooredoon	IDP	180	10
Gedo	Belet_Xaawo	Saction 4	IDP	160	5
Gedo	Belet_Xaawo	Saction 5	IDP	140	5
Gedo	Belet_Xaawo	Tusbaxley	IDP	83	5
Gedo	Belet_Xaawo	Xananley	IDP	795	25
Woqooyi Galbeed	Berbera	Berbera	HC	7356	170
Woqooyi Galbeed	Berbera	Dalaw	HC	133	5
Woqooyi Galbeed	Berbera	Dhaymoole	HC	668	10
Woqooyi Galbeed	Berbera	Eil Geradi	HC	478	10
Woqooyi Galbeed	Berbera	Geeri	HC	72	5
Woqooyi Galbeed	Berbera	Lafaruug	HC	34	10
Woqooyi Galbeed	Berbera	Magaalo cad	IDP	80	55
Woqooyi Galbeed	Berbera	Magab	HC	577	5
Woqooyi Galbeed	Berbera	Sabawanaag	IDP	1500	645
Woqooyi Galbeed	Berbera	Shacabka	IDP	70	55
Woqooyi Galbeed	Berbera	Waraabo u taag	IDP	150	35
Awdal	Borama	Boon	HC	715	5
Awdal	Borama	Borama	HC	19961	85
Awdal	Borama	Cadaad	HC	715	5
Awdal	Borama	Caro-Wareen	HC	709	10
Awdal	Borama	Dagmo-Laas	HC	1405	10
Awdal	Borama	Dhagaxa Madow	HC	1903	15

Awdal	Borama	Dunbulug	IDP	60	15
Awdal	Borama	Goroyo-Cawl	HC	607	10
Awdal	Borama	Hayayaabaha hoose	IDP	35	10
Awdal	Borama	Hayayaabe	IDP	135	5
Awdal	Borama	Jarahorato	HC	862	5
Awdal	Borama	Qoor gaab	IDP	130	10
Awdal	Borama	Qoor gaab (Al-xayat area)	IDP	150	5
Awdal	Borama	Sheikh Osman	IDP	90	15
Awdal	Borama	Tukhaantukhi	IDP	110	10
Awdal	Borama	Walaalqo	HC	1392	5
Awdal	Borama	Xaasleyda	IDP	20	5
Awdal	Borama	Xanaanada	IDP	40	5
Awdal	Borama	Xero dhiigta	IDP	250	25
Bari	Bossaso	Abow B	IDP	840	10
Bari	Bossaso	Absame A	IDP	300	5
Bari	Bossaso	Ajuuraan A	IDP	558	5
Bari	Bossaso	Baalade	IDP	350	5
Bari	Bossaso	Banaadir A2	IDP	877	10
Bari	Bossaso	Banaadir B	IDP	340	5
Bari	Bossaso	Boqolka buush	IDP	900	15
Bari	Bossaso	Bossaso	HC	33342	85
Bari	Bossaso	Buulo Mingis A	IDP	880	5
Bari	Bossaso	Buulo Mingis B	IDP	950	10
Bari	Bossaso	Buulo qosax	IDP	180	5
Bari	Bossaso	Farjano	IDP	380	5
Bari	Bossaso	Garible	IDP	220	5
Bari	Bossaso	Kaam suweyto	IDP	470	5
Bari	Bossaso	Kaam tawakal	IDP	1470	10
Bari	Bossaso	Laso-Dawaco	HC	44	1
Bari	Bossaso	Raf iyo raaxo	IDP	800	5
Bari	Bossaso	Tuurjaale	IDP	630	5
Nugaal	Garowe	Kaam.Tawakal	IDP	1470	10
Sanaag	Ceerigaabo	Raf iyo raaxo	IDP	800	5
Sanaag	Laasqoray	Raf iyo raaxo	IDP	800	5
Hiraan	Bulo burto	BULO BURTO	HC	4297	45
Hiraan	Bulo burto	BUULO DACAAR	HC	98	15
Hiraan	Bulo burto	BUULO KAXAR	HC	101	7
Hiraan	Bulo burto	DABA DHEERE	HC	150	19
Hiraan	Bulo burto	GALMADOBE BARI	HC	140	12
Hiraan	Bulo burto	JAABOOLE BARI	HC	70	11
Hiraan	Bulo burto	SOROGLEEY	HC	102	8
Hiraan	Bulo burto	XAGAR	HC	120	15
Hiraan	Bulo burto	XOOR WADI	HC	50	6
Togdheer	Burco	Adan Saleban A	IDP	900	5
Togdheer	Burco	Balli Dhiig	HC	557	5
Togdheer	Burco	Beer One	HC	2359	10
Togdheer	Burco	Boodhaly	HC	255	5
Togdheer	Burco	Burco	HC	23800	60
Togdheer	Burco	Cali Saahid	HC	480	6

Togdheer	Burco	Ccaqil Yare	IDP	100	5
Togdheer	Burco	Ceel-Dhere	HC	817	10
Togdheer	Burco	Dhoqoshay	HC	3121	5
Togdheer	Burco	Fifteenmay 1	IDP	150	5
Togdheer	Burco	Gumbur Libaax	HC	343	5
Togdheer	Burco	Kadhada	HC	158	5
Togdheer	Burco	Karasharka	HC	38	5
Togdheer	Burco	Koosaar A	IDP	800	15
Togdheer	Burco	Koosaar B	IDP	700	10
Togdheer	Burco	Koosaar C	IDP	600	5
Togdheer	Burco	Koosar A	IDP	800	15
Togdheer	Burco	Lebbi-Guun	HC	464	6
Togdheer	Burco	Muruq Maal	IDP	300	5
Togdheer	Burco	Qunyar Dega	IDP	1500	20
Togdheer	Burco	Sahara	IDP	815	15
Togdheer	Burco	Salebankulul	HC	372	5
Togdheer	Burco	Waraabeeye	HC	220	5
Nugaal	Burtinle	Burtinle	HC	4831	435
Nugaal	Burtinle	Dogob Yar	HC	54	5
Nugaal	Burtinle	Hayaanle 1	HC	16	5
Nugaal	Burtinle	Jalam	HC	101	15
Nugaal	Burtinle	kaamladan	IDP	270	23
Nugaal	Burtinle	Kalabayr	HC	170	15
Nugaal	Burtinle	Kalkaal One	IDP	280	21
Nugaal	Burtinle	Kalkal two	IDP	320	27
Bay	Buur_hakaba	4 Abawli	HC	80	5
Bay	Buur_hakaba	Aray	HC	128	5
Bay	Buur_hakaba	Aw Malin Foqi	HC	150	5
Bay	Buur_hakaba	Aw Urweyni	HC	170	5
Bay	Buur_hakaba	Awyayi	HC	135	5
Bay	Buur_hakaba	Balaaw	HC	16	5
Bay	Buur_hakaba	Balow	HC	80	5
Bay	Buur_hakaba	Buur Hakaba	HC	2822	70
Bay	Buur_hakaba	Daar	HC	125	5
Bay	Buur_hakaba	Goley yarey	HC	115	5
Bay	Buur_hakaba	Kurow Aw Rikow	HC	104	5
Bay	Buur_hakaba	Masusow	HC	300	10
Bay	Buur_hakaba	Qardhale	HC	75	5
Bay	Buur_hakaba	Sool	HC	110	5
Galgaduud	Cabudwaaq	Balanbal	HC	740	46
Galgaduud	Cabudwaaq	Baligaras	IDP	1032	18
Galgaduud	Cabudwaaq	Balli Cad	HC	748	49
Galgaduud	Cabudwaaq	Danwadaag	IDP		18
Galgaduud	Cabudwaaq	Dayacan	IDP	780	18
Galgaduud	Cabudwaaq	Jaqaf Waabir	IDP	853	24
Galgaduud	Cabudwaaq	Kulmiye	HC	1749	42
Galgaduud	Cabudwaaq	Laandheer	IDP	720	24
Galgaduud	Cabudwaaq	Miirjicley	HC	676	49
Galgaduud	Cabudwaaq	Wadajir	HC	2607	66

Galgaduud	Cabudwaaq	Xurfadda	IDP	727	12
Galgaduud	Cadaado	Baxdo	HC	48	2
Galgaduud	Cadaado	Cadaado	HC	5585	87
Galgaduud	Cadaado	Daryeel	IDP	543	28
Galgaduud	Cadaado	Galinsoor	HC	621	4
Galgaduud	Cadaado	Gidhays	HC	92	4
Galgaduud	Cadaado	Karaamo	IDP	400	18
Galgaduud	Cadaado	Kulmaiye	IDP	100	7
Galgaduud	Dhuusamarreeb	Marsamag	HC	28	1
Gedo	Garbahaarrey	Galbeed	HC	300	10
Middle Shabelle	Cadale	Adow UI	HC	120	18
Middle Shabelle	Cadale	Bursho-shiekh	HC	70	24
Middle Shabelle	Cadale	Cadaan Gaabey area	HC	37	12
Middle Shabelle	Cadale	Cadae Town	HC	1300	186
Middle Shabelle	Cadale	Cadan Gabey	HC	60	6
Middle Shabelle	Cadale	Haji Ali	HC	340	66
Middle Shabelle	Cadale	Haskule	HC	28	6
Sool	Caynabo	Ainabo Camp One	IDP	2040	60
Sool	Caynabo	Ainabo Camp two	IDP	990	23
Sool	Caynabo	Berkeda Cali Xirsi	HC	390	25
Sool	Caynabo	Caynabo	HC	1205	35
Sool	Caynabo	Ceel-Dhaab	HC	131	5
Sool	Caynabo	Dhanaano	HC	166	5
Sool	Caynabo	Fadhiyar	HC	762	35
Sool	Caynabo	God Heeri	HC	284	5
Sool	Caynabo	Jablahe	HC	286	5
Sool	Caynabo	Qori Dheere	HC	203	10
Sool	Caynabo	Wadaamagoo	HC	340	10
Sool	Caynabo	Wariley	HC	286	10
Sool	Caynabo	Xurfada	HC	293	5
Bakool	Xudur	Docolka	HC	577	5
Sanaag	Ceel_Afweyn	Balan Baal	HC	304	15
Sanaag	Ceel_Afweyn	Cadaadkulaale	HC	230	10
Sanaag	Ceel_Afweyn	Ceel Afweyn	HC	2673	55
Sanaag	Ceel_Afweyn	Ceelal	HC	446	10
Sanaag	Ceel_Afweyn	Ceelcade	HC	573	10
Sanaag	Ceel_Afweyn	Fadhi Gaab	HC	600	10
Sanaag	Ceel_Afweyn	Gudmobiyocas	HC	446	10
Sanaag	Ceel_Afweyn	Huluul	HC	66	5
Sanaag	Ceel_Afweyn	Sincaro	HC	639	5
Sanaag	Ceel_Afweyn	Soddonley	HC	476	10
Bakool	Ceel_Barde	Ayeyeo	HC	360	5
Bakool	Ceel_Barde	Bananey	IDP	50	12
Bakool	Ceel_Barde	Biya fadhi	HC	540	4
Bakool	Ceel_Barde	Biyo Qaboobe	HC	360	5
Bakool	Ceel_Barde	Ceel Barde	HC	1865	33
Bakool	Ceel_Barde	Cimilow	HC	300	4
Bakool	Ceel_Barde	daanshood	HC	540	10
Bakool	Ceel_Barde	Gahiydhley	HC	240	1

Bakool	Ceel_Barde	Gargar	IDP	220	44
Bakool	Ceel_Barde	Hallul	HC	420	8
Bakool	Ceel_Barde	Higloolay	HC	240	2
Bakool	Ceel_Barde	Hiirey	HC	420	10
Bakool	Ceel_Barde	Kheyra habon	HC	620	10
Bakool	Ceel_Barde	Omar Saahil	HC	300	2
Bakool	Ceel_Barde	Ondheere	HC	420	5
Bakool	Ceel_Barde	Wargarweyni	IDP	48	13
Gedo	Ceel_Waaq	Ceel Waaq	HC	2871	94
Gedo	Ceel_Waaq	El Banda	HC	86	4
Sanaag	Ceel_Afweyn	Buur dhuubo	IDP	200	62
Sanaag	Ceerigaabo	Caydha	IDP	220	24
Sanaag	Ceerigaabo	Ceerigaabo	HC	6750	108
Sanaag	Ceerigaabo	Dayaxa	HC	100	6
Sanaag	Ceerigaabo	Dhaban dhige	HC	150	6
Sanaag	Ceerigaabo	Haldhagan	HC	100	6
Sanaag	Ceerigaabo	Kulaal	HC	150	6
Sanaag	Ceerigaabo	Kulmiye	HC	120	6
Sanaag	Ceerigaabo	Qaarar	HC	50	6
Sanaag	Ceerigaabo	Wadayax	HC	50	12
Sanaag	Ceerigaabo	Xaafad Soomaal	IDP	450	52
Sanaag	Ceerigaabo	Xabaalo Camaare	HC	150	6
Sanaag	Ceerigaabo	Yubbe	HC	350	18
Galgaduud	Dhuusamarreeb	Buurta	IDP	150	5
Galgaduud	Dhuusamarreeb	Ceel Xamuud	IDP	980	35
Galgaduud	Dhuusamarreeb	Dawacooley	IDP	1070	50
Galgaduud	Dhuusamarreeb	Dhuusamarreeb	HC	11614	240
Galgaduud	Dhuusamarreeb	Gadoon	HC	192	5
Galgaduud	Dhuusamarreeb	GARGAAR	IDP	671	15
Galgaduud	Dhuusamarreeb	Guri-Ceel	HC	612	20
Galgaduud	Dhuusamarreeb	Hanano	IDP	838	35
Galgaduud	Dhuusamarreeb	Horog	HC	147	5
Galgaduud	Dhuusamarreeb	Kaam shalxad	IDP	170	10
Galgaduud	Dhuusamarreeb	Mareer Guur	HC	347	5
Galgaduud	Dhuusamarreeb	Tuulo-og	IDP	685	15
Galgaduud	Dhuusamarreeb	Xero milatari	IDP	831	10
Nugaal	Eyl	Eyl	HC	775	78
Nugaal	Eyl	Wargaduud	HC	47	1
Mudug	Gaalkacyo North	Abaarey	HC	56	1
Mudug	Gaalkacyo North	Gaalkacyo	HC	20233	87
Mudug	Gaalkacyo North	Labo Warood	HC	1454	9
Mudug	Gaalkacyo North	Tulo Xabiibo	HC	541	3
Galgaduud	Gaalkacyo South	Bandiidley	HC	330	29
Galgaduud	Gaalkacyo South	Bayle	HC	86	7
Galgaduud	Gaalkacyo South	Dagaari	HC	270	26
Galgaduud	Gaalkacyo South	Xaaran	HC	249	27
Mudug	Gaalkacyo North	Sadax-Higlo	HC	39	5
Mudug	Gaalkacyo North	Alla aamin 1 B	IDP	550	5
Mudug	Gaalkacyo North	Alla aamin 2	IDP	350	10

Mudug	Gaalkacyo North	Buloo bacleey	IDP	700	5
Mudug	Gaalkacyo North	Halabookhad	IDP	1285	5
Mudug	Hoby	Liibaan 3	IDP	300	5
Mudug	Gaalkacyo North	Madina	IDP	660	10
Mudug	Gaalkacyo North	Mustaqbal 1	IDP	257	5
Mudug	Gaalkacyo North	Mustaqbal 2	IDP	700	5
Mudug	Gaalkacyo North	Najax	IDP	250	5
Mudug	Gaalkacyo North	New doonyaale	IDP	375	5
Mudug	Gaalkacyo North	Orshe camp	IDP	700	5
Mudug	Gaalkacyo North	Salaama 1	IDP	430	5
Mudug	Gaalkacyo North	Salaama 2	IDP	480	20
Mudug	Gaalkacyo North	SYL	IDP	400	5
Mudug	Gaalkacyo North	Tawakal	IDP	800	5
Mudug	Gaalkacyo North	Waayo arag	IDP	800	20
Galgaduud	Gaalkacyo South	Baantuu 2	IDP	350	10
Galgaduud	Gaalkacyo South	Bulsho	IDP	50	5
Galgaduud	Gaalkacyo South	Buulo bishaaro	IDP	240	10
Galgaduud	Gaalkacyo South	Buulo jawaan	IDP	500	20
Galgaduud	Gaalkacyo South	Calanleey	IDP	415	5
Galgaduud	Gaalkacyo South	Ceel gaab	IDP	500	5
Galgaduud	Gaalkacyo South	Hilaac	IDP	85	10
Galgaduud	Gaalkacyo South	Qoraxey 2	IDP	200	10
Galgaduud	Gaalkacyo South	Xoriyo 2	IDP	130	10
Mudug	Gaalkacyo North	Mahad alle	IDP	400	15
Mudug	Gaalkacyo North	Soomali weyn	IDP	130	5
Gedo	Garbahaarrey	Bur Caro	HC	18	6
Gedo	Garbahaarrey	Buraa	HC	199	24
Gedo	Garbahaarrey	Buurduhuubo	HC	732	36
Gedo	Garbahaarrey	Garbahaarey	HC	3363	168
Gedo	Garbahaarrey	Goley	HC	193	6
Gedo	Garbahaarrey	Helamareer	HC	35	6
Gedo	Garbahaarrey	Muuriya	HC	343	18
Nugaal	Garowe	Baley	HC	46	10
Nugaal	Garowe	Cuun	HC	34	5
Nugaal	Garowe	Garowe	HC	2849	735
Nugaal	Garowe	Jilab 1	IDP	1800	45
Nugaal	Garowe	Kaaam Ajuuran	IDP	675	10
Nugaal	Garowe	Kaam Marka	IDP	135	10
Nugaal	Garowe	Kaam Yemen	IDP	150	5
Nugaal	Garowe	Riiga	IDP	350	10
Nugaal	Garowe	Shabeele	IDP	765	5
Nugaal	Garowe	Siliga	IDP	564	5
Nugaal	Garowe	Sinujif	HC	90	35
Nugaal	Garowe	Waaberi	IDP	250	5
Woqooyi Galbeed	Gebiley	18_May	IDP	250	33
Woqooyi Galbeed	Gebiley	Balay	HC	179	5

Woqooyi Galbeed	Gebiley	Banka Wajale	HC	66	5
Woqooyi Galbeed	Gebiley	Beeyo-Qaloocan 1	HC	26	5
Woqooyi Galbeed	Gebiley	Botor	HC	105	5
Woqooyi Galbeed	Gebiley	Caraan Carka	HC	281	5
Woqooyi Galbeed	Gebiley	Dhigta	IDP	50	6
Woqooyi Galbeed	Gebiley	Fooda Kidiga	HC	61	5
Woqooyi Galbeed	Gebiley	Garbo Haadley	HC	103	5
Woqooyi Galbeed	Gebiley	Gebiley	HC	739	5
Woqooyi Galbeed	Gebiley	Geed-Diqsi	HC	142	5
Woqooyi Galbeed	Gebiley	Gucudhaale	HC	95	5
Woqooyi Galbeed	Gebiley	Idhanka Deeryahan	HC	281	5
Woqooyi Galbeed	Gebiley	Ifad Gabilay	HC	929	15
Woqooyi Galbeed	Gebiley	Ijaara	HC	190	5
Woqooyi Galbeed	Gebiley	Ilma Dedo	HC	281	10
Woqooyi Galbeed	Gebiley	Java buldhuq	IDP	250	36
Woqooyi Galbeed	Gebiley	Jidhi Gabiley	HC	42	5
Woqooyi Galbeed	Gebiley	Magaalo Mataan	HC	118	5
Woqooyi Galbeed	Gebiley	Tog-Wajaale	HC	252	15
Woqooyi Galbeed	Gebiley	Xirsi Jiciir	HC	27	5
Woqooyi Galbeed	Hargeysa	Alaala-Cadka	HC	239	6
Woqooyi Galbeed	Hargeysa	Ayah 1	IDP	600	5
Woqooyi Galbeed	Hargeysa	Ayax 4	IDP	350	5
Woqooyi Galbeed	Hargeysa	Ayax2	IDP	1200	20
Woqooyi Galbeed	Hargeysa	Balli-Gubadle	HC	1217	6
Woqooyi Galbeed	Hargeysa	Bartanno	HC	623	6
Woqooyi Galbeed	Hargeysa	Bender Wanaag	HC	138	6
Woqooyi Galbeed	Hargeysa	Cadaadley	HC	1233	6

Woqooyi Galbeed	Hargeysa	Dababahal	HC	242	6
Woqooyi Galbeed	Hargeysa	Digaale	IDP	1200	30
Woqooyi Galbeed	Hargeysa	Farawayne	HC	868	6
Woqooyi Galbeed	Hargeysa	Golwaraabe	IDP	500	10
Woqooyi Galbeed	Hargeysa	Hargeysa	HC	50793	78
Woqooyi Galbeed	Hargeysa	Ibraahim Koodbuur	HC	20434	36
Woqooyi Galbeed	Hargeysa	idp Stadium	IDP	5784	75
Woqooyi Galbeed	Hargeysa	Istanbuul B	IDP	410	5
Woqooyi Galbeed	Hargeysa	Karin Shabeel	HC	214	6
Woqooyi Galbeed	Hargeysa	Magaalo Xaali	HC	242	6
Woqooyi Galbeed	Hargeysa	Magallo Jimcalle	IDP	145	5
Woqooyi Galbeed	Hargeysa	Sharmaake	HC	107	6
Woqooyi Galbeed	Hargeysa	Shilmaale	HC	428	6
Woqooyi Galbeed	Hargeysa	State House	IDP	2000	30
Mudug	Hobyo	Af-Barwaaqo	HC	23	6
Mudug	Hobyo	Bacadwayn	HC	15	6
Mudug	Hobyo	Bajeelo	HC	124	18
Mudug	Hobyo	Budbud	HC	188	36
Mudug	Hobyo	Ceel-Dibir	HC	83	18
Mudug	Hobyo	Ceelguula	HC	120	12
Mudug	Hobyo	Hobyo	HC	372	30
Mudug	Hobyo	Qaydarrey	HC	79	6
Mudug	Hobyo	Wisil	HC	312	66
Mudug	Hobyo	Xingod	HC	60	12
Bari	Iskushuban	Bali-Shillin	HC	38	6
Bari	Iskushuban	Buq-Catooti	HC	332	18
Bari	Iskushuban	Ciisse	HC	39	6
Bari	Iskushuban	Dharjaale	HC	1223	30
Bari	Iskushuban	Dharoor	HC	179	6
Bari	Iskushuban	Hurdiya	HC	1693	30
Bari	Iskushuban	Iskushuban	HC	4816	156
Bari	Iskushuban	Itaageer	HC	77	6
Bari	Iskushuban	Xamure	HC	147	6
Mudug	Jariiban	Gadobjiran	HC	77	7
Mudug	Jariiban	Garcad	HC	58	1
Mudug	Jariiban	Jariiban	HC	929	71
Middle Shabelle	Jowhar	Balguri/Gacan libax	HC	11970	174
Middle Shabelle	Jowhar	Bareey	HC	380	12

Middle Shabelle	Jowhar	Buulo Makiino	IDP	412	10
Middle Shabelle	Jowhar	Dhaaifo	HC	420	6
Middle Shabelle	Jowhar	Dhay -Gawan	HC	350	6
Middle Shabelle	Jowhar	Fanoole	HC	500	6
Middle Shabelle	Jowhar	Genaral Daud	IDP	814	12
Middle Shabelle	Jowhar	Halgan	HC	290	18
Middle Shabelle	Jowhar	Jowhar somali	HC	400	6
Middle Shabelle	Jowhar	Kaluundi	HC	400	6
Middle Shabelle	Jowhar	Laanta Afaraad	IDP	3011	62
Middle Shabelle	Jowhar	Lebiga	HC	300	6
Middle Shabelle	Jowhar	Nuukaay	HC	390	6
Lower Juba	Kismayo	Abaq bambow	IDP	145	5
Lower Juba	Kismayo	barisaay 1	IDP	120	5
Lower Juba	Kismayo	Barwaaqo	IDP	100	5
Lower Juba	Kismayo	Bass 3B	IDP	43	5
Lower Juba	Kismayo	Bula Bartire	HC	1444	25
Lower Juba	Kismayo	Bula hussein	IDP	55	5
Lower Juba	Kismayo	Buula-gaduud	HC	289	5
Lower Juba	Kismayo	Cadaadgeri	IDP	52	5
Lower Juba	Kismayo	Dalxiiska	HC	1179	15
Lower Juba	Kismayo	Daryel	IDP	120	5
Lower Juba	Kismayo	Dharkenley	IDP	150	5
Lower Juba	Kismayo	Feersagaro	IDP	155	10
Lower Juba	Kismayo	Goob weyn	HC	3561	15
Lower Juba	Kismayo	Halgan 1	IDP	144	5
Lower Juba	Kismayo	Hangash	IDP	65	5
Lower Juba	Kismayo	Jaberti 2	IDP	112	5
Lower Juba	Kismayo	Kismayo	HC	3250	15
Lower Juba	Kismayo	Luqman	IDP	128	5
Lower Juba	Kismayo	Luqman galeer	IDP	45	5
Lower Juba	Kismayo	Najah	IDP	140	5
Lower Juba	Kismayo	New Kismayo	HC	1187	20
Lower Juba	Kismayo	Qaam Qaam	HC	770	15
Lower Juba	Kismayo	Saa Moja	HC	2597	45
Lower Juba	Kismayo	Sakuye	IDP	60	5
Lower Juba	Kismayo	Taleex	IDP	200	10
Lower Juba	Kismayo	Wadajir	HC	1139	0.065155
Lower Juba	Kismayo	Yoontoy	HC	858	5
Lower Juba	Kismayo	Z2	IDP	125	10
Sanaag	Laasqoray	Alxamdullileh	HC	541	10
Sanaag	Laasqoray	Buraan	HC	363	50
Sanaag	Laasqoray	Ceelaayo	HC	215	5
Sanaag	Laasqoray	Dhahar	HC	912	40
Sanaag	Laasqoray	Laasqoray	HC	6856	400
Sanaag	Laasqoray	Waaciye	HC	289	20
Awdal	Lughaye	Almis IDP	IDP	250	39
Awdal	Lughaye	Duqaareyte	IDP	187	34
Awdal	Lughaye	Farda Lagu-Xidh	HC	357	15
Awdal	Lughaye	Geerisa	HC	1245	70

Awdal	Lughaye	Kalawle	HC	699	50
Awdal	Lughaye	Karuure	HC	406	15
Awdal	Lughaye	Lughaye	HC	685	35
Awdal	Lughaye	Xoog Faras	HC	552	10
Awdal	Lughaye	Xussein	HC	510	5
Gedo	Luuq	Aboow	HC	29	6
Gedo	Luuq	Buyle	IDP	100	49
Gedo	Luuq	Gaba	HC	50	18
Gedo	Luuq	Geer Boolow	HC	63	18
Gedo	Luuq	Heli-Shiid	HC	2067	162
Gedo	Luuq	Hoodey/Hoobishow	HC	45	6
Gedo	Luuq	Mira Dhuubow	HC	42	6
Gedo	Luuq	Tuulo Marexan/Taleex	HC	39	6
Lower Shabelle	Marka	Afar Yak	HC	2178	4
Lower Shabelle	Marka	Ceel-Jaale	HC	341	1
Lower Shabelle	Marka	Marka	HC	45837	96
Hiraan	Matabaan	barkurtun	HC	120	12
Hiraan	Matabaan	Beergadiid	HC	400	6
Hiraan	Matabaan	Bundomadow	HC	100	12
Hiraan	Matabaan	Elmo Jowle	HC	180	6
Hiraan	Matabaan	Girijir	HC	350	6
Hiraan	Matabaan	Haji - Hababis	HC	100	12
Hiraan	Matabaan	Libile	HC	85	6
Hiraan	Matabaan	Matabaan town	HC	2100	60
Hiraan	Matabaan	Qodqod	HC	300	12
Hiraan	Matabaan	Qulaale	HC	140	12
Hiraan	Matabaan	Takaraale	HC	300	12
Hiraan	Matabaan	Tuulocano	HC	140	6
Banadir	Mogadishu-Daynile	Al-cadaala	IDP	207	5
Banadir	Mogadishu-Daynile	Buulo warbo	IDP	350	5
Banadir	Mogadishu-Daynile	Buulomareer	IDP	200	5
Banadir	Mogadishu-Daynile	Canshaqow	IDP	137	5
Banadir	Mogadishu-Daynile	Ceel wareegow	IDP	125	5
Banadir	Mogadishu-Daynile	Ciid	IDP	197	5
Banadir	Mogadishu-Daynile	Darul xikma	IDP	200	5
Banadir	Mogadishu-Daynile	Daryeel 1	IDP	639	5
Banadir	Mogadishu-Daynile	Daryeel dumar	IDP	125	5
Banadir	Mogadishu-Daynile	Daynile	HC	13216	85
Banadir	Mogadishu-Daynile	Geed weyne	IDP	180	5
Banadir	Mogadishu-Daynile	Halgan 2	IDP	300	5
Banadir	Mogadishu-Daynile	Iftin 1	IDP	150	5
Banadir	Mogadishu-Daynile	Intifaac	IDP	160	5
Banadir	Mogadishu-Daynile	Jameecada	IDP	120	5
Banadir	Mogadishu-Daynile	Rabi suge	IDP	120	5
Banadir	Mogadishu-Daynile	Saacid 1	IDP	120	5
Banadir	Mogadishu-Daynile	Tawakal calalaahi	IDP	537	5
Banadir	Mogadishu-Daynile	Uburow	IDP	60	5
Lower Shabelle	Afgooye	Geed weyne	IDP	180	5
Banadir	Mogadishu-Hodan	Barwaaqo 3	IDP	43	5

Banadir	Mogadishu-Hodan	Dhamole	IDP	60	10
Banadir	Mogadishu-Hodan	Faguug	IDP	60	5
Banadir	Mogadishu-Hodan	Fardowsa	IDP	250	5
Banadir	Mogadishu-Hodan	Har Wanaag	IDP	65	5
Banadir	Mogadishu-Hodan	Hodan	HC	13216	85
Banadir	Mogadishu-Hodan	Libaan	IDP	90	5
Banadir	Mogadishu-Hodan	Mahad Allah	IDP	80	15
Banadir	Mogadishu-Hodan	Qoraxeey	IDP	150	5
Banadir	Mogadishu-Hodan	Shabeele 2	IDP	150	20
Banadir	Mogadishu-Hodan	Tawakal 4	IDP	465	35
Banadir	Mogadishu-Hodan	Towxiid	IDP	150	5
Banadir	Mogadishu-Hodan	Unlay	IDP	34	5
Banadir	Mogadishu-Hodan	Xiis 3	IDP	300	10
Banadir	Mogadishu-Kahda	Afmalab	IDP	60	5
Banadir	Mogadishu-Kahda	Alla suge 4	IDP	250	5
Banadir	Mogadishu-Kahda	Darbaas	IDP	70	5
Banadir	Mogadishu-Kahda	Dayax 1	IDP	140	5
Banadir	Mogadishu-Kahda	Galeyr 1	IDP	150	5
Banadir	Mogadishu-Kahda	Gashaan	IDP	195	5
Banadir	Mogadishu-Kahda	Gorgor 2	IDP	175	5
Banadir	Mogadishu-Kahda	Janaale 5	IDP	111	5
Banadir	Mogadishu-Kahda	Kahda	HC	13216	85
Banadir	Afgooye	Kulmis	IDP	5000	15
Banadir	Mogadishu-Daynile	Kulmis	IDP	5000	15
Banadir	Mogadishu-Kahda	Kulmis	IDP	5000	15
Banadir	Mogadishu-Kahda	Mandeeq 2	IDP	270	5
Banadir	Mogadishu-Kahda	Miskiinow	IDP		6
Banadir	Mogadishu-Kahda	Nabadey	IDP		6
Banadir	Mogadishu-Kahda	Roobey	IDP		6
Banadir	Mogadishu-Kahda	Shalaqben	IDP	100	5
Banadir	Mogadishu-Kahda	Suit jeex	IDP	80	5
Banadir	Mogadishu-Kahda	Wanaag Center	IDP	2750	20
Lower Shabelle	Afgooye	Maskiin Allah umaqan	IDP	200	5
Bari	Qandala	Magaaloyar	HC	56	7
Bari	Qandala	Qandala	HC	523	62
Bay	Qansax_Dheere	Qansax Dheere	HC	1600	101
Bay	Qansax_Dheere	Wanaag	IDP	1600	101
Bari	Qardho	Buulo Qodax	IDP	280	20
Bari	Qardho	El Dubat	HC	93	5
Bari	Qardho	Guud Cad	HC	58	5
Bari	Qardho	Harwayn	IDP	70	15
Bari	Qardho	Iskoolk Kaamka	IDP	510	25
Bari	Qardho	Kaam New	IDP	350	35
Bari	Qardho	Kam Warsan	IDP	70	5
Bari	Qardho	Kamka Ayan	IDP	100	10
Bari	Qardho	Koom Karaash	IDP	65	5
Bari	Qardho	Kubo	HC	130	15
Bari	Qardho	Qardho	HC	74	5
Bari	Qardho	Rako	HC	48	15

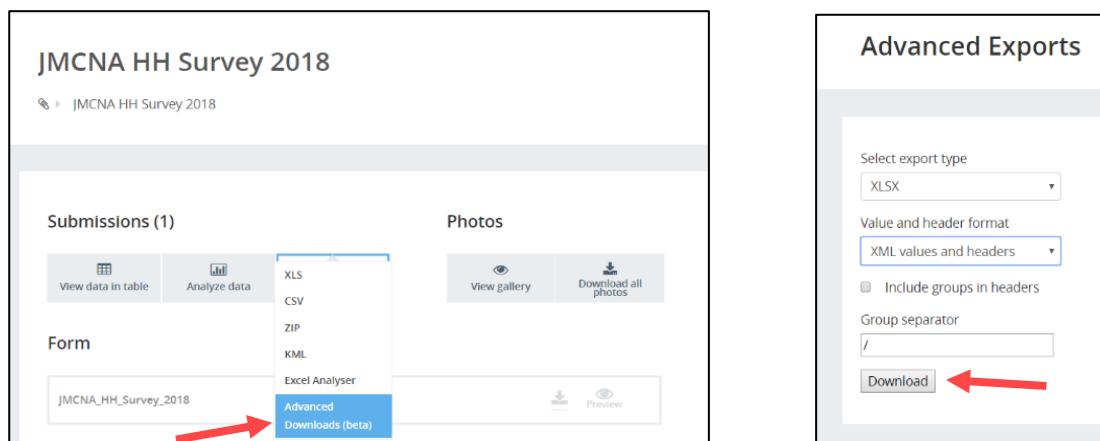
Bari	Qardho	Samaysa Dheer	HC	227	5
Bari	Qardho	Shimbaraale	IDP	400	15
Bari	Qardho	Xerodhiigta	IDP	312	20
Bari	Qardho	Xiddo	HC	145	5
Lower Shabelle	Qoryooley	Alambuud	HC	669	24
Lower Shabelle	Qoryooley	Beynax Bare	HC	531	6
Lower Shabelle	Qoryooley	Buulo Sheekh	HC	1808	30
Lower Shabelle	Qoryooley	Buulo Siidow	HC	3252	30
Lower Shabelle	Qoryooley	Degaybere	HC	5014	54
Lower Shabelle	Qoryooley	Gaay Warow	HC	2372	6
Lower Shabelle	Qoryooley	Qoryooley	HC	2773	36
Bakool	Waajid	Al-Amin	IDP	70	5
Bakool	Waajid	BURDHUXUNLE IDP	IDP	300	35
Bakool	Waajid	Elbon IDP Camp	IDP	890	75
Bakool	Waajid	Howl Waadag	HC		85
Bakool	Waajid	Kulmiye IDPs Camp	IDP	300	30
Bakool	Waajid	Tawakal IDP Camp	IDP	250	35
Bakool	Waajid	Towfiq IDP Camp	IDP	637	65
Bakool	Waajid	Horseed	HC		85
Lower Shabelle	Wanla_Weyn	Aw Cusman	HC	1756	5
Lower Shabelle	Wanla_Weyn	Aw Guurow	HC	99	1
Lower Shabelle	Wanla_Weyn	Baloow	HC	129	1
Lower Shabelle	Wanla_Weyn	Dawanle	HC	581	3
Lower Shabelle	Wanla_Weyn	Galooley	HC	131	1
Lower Shabelle	Wanla_Weyn	Heero	HC	2641	5
Lower Shabelle	Wanla_Weyn	Wanla Weyn	HC	44414	85
Lower Shabelle	Wanla_Weyn	Bakaal camp	IDP	48	9
Lower Shabelle	Wanla_Weyn	Bocorey camp	IDP	55	4
Lower Shabelle	Wanla_Weyn	Bulo amir Camp	IDP	60	6
Lower Shabelle	Wanla_Weyn	Bulo cajuuso camp	IDP	76	16
Lower Shabelle	Wanla_Weyn	Daud bule camp	IDP	65	12
Lower Shabelle	Wanla_Weyn	Idow camp	IDP	42	7
Lower Shabelle	Wanla_Weyn	Masiirey Camp	IDP	90	23
Lower Shabelle	Wanla_Weyn	Shanta kulan Camp	IDP	36	11
Bakool	Xudur	Dondardir IDP	IDP	255	12
Bakool	Xudur	Garasweyne IDP	IDP	345	6
Bakool	Xudur	Kainey IDP	IDP	219	6
Bakool	Xudur	Tieglow IDP	IDP	528	12
Bakool	Xudur	Baana	HC	297	24
Bakool	Xudur	Bulow-Xudur	HC	950	6
Bakool	Xudur	Doonful	HC	327	6
Bakool	Xudur	Edinow	HC	255	6
Bakool	Xudur	Fajar Bore	HC	345	6
Bakool	Xudur	Fajer Feylohow	HC	115	6
Bakool	Xudur	Faraq	HC	317	6
Bakool	Xudur	Gomore	HC	417	6
Bakool	Xudur	Gubud Galole	HC	416	6
Bakool	Xudur	Horsed-Xudur	HC	1170	24
Bakool	Xudur	Illin	HC	62	6

Bakool	Xudur	Mada Warabe	HC	418	12
Bakool	Xudur	Moragabey-Xudur	HC	758	6
Bakool	Xudur	Reer Waqle	HC	188	18
Bakool	Xudur	Sheikh Aweys-Xudur	HC	1619	24
Awdal	Zeylac	Caasha Caddo	HC	244	15
Awdal	Zeylac	Cabdil Qaaddir	HC	619	15
Awdal	Zeylac	Cali Weeci	HC	212	15
Awdal	Zeylac	Derbi Xoorre	HC	237	5
Awdal	Zeylac	Geelka Goojis	HC	341	15
Awdal	Zeylac	Sh. Dudub	HC	167	5
Awdal	Zeylac	Sh.Ciise	HC	169	5
Awdal	Zeylac	Toqoshi	HC	151	10
Awdal	Zeylac	Xidhgid Galbeed	HC	167	10
Awdal	Zeylac	Zeylac	HC	526	20

ANNEX 3: REACH SOM JMCNA DATA CLEANING SOP

Getting the data from KOBO

1. Download the data from KOBO using the above link.
2. Download the data always in the same format, **xls legacy** format. You should select that it used **XML values and headers** rather than labels and **DO NOT** download with group names



3. Once you download the data remember to rename the form:

previous → REACH_SOM_Data_[ACTIVITY]_[LOCATION]_XXMONYEAR

For example: REACH_SOM_Data_JMCNA_Hargeisa_25JUNE2018

Feedback to the teams

While you are going ahead with the data checking you **must** have close to you pen and paper to take some notes for the next day morning briefing → While we will record data checking on the computer, this will ensure you remember everything for the briefing in the morning and are able to

Conducting regular debriefing meetings with the teams will improve the data quality of the next day and ensures the teams are learning from the mistakes, and the same mistake of yesterday is not likely to happen again.

General Data checking/cleaning tips!

A – TIME CHECKS		
#.	STEP	COMMENT
1.	Download the data from kobo in .XLS and properly store the file	
2.	Filter according to the region or district or settlement depending on where you are collecting data	
3.	Select only the questionnaires of the day and location of interest <u>Data and time on the phones MUST be correct</u> otherwise you will not be checking all questionnaires	

	Easy to check, if you have 5 enumerators collecting 5 questionnaires you should expect 25 → If you have 15 there is a problem.																																																																					
4.	Copy the selected questionnaires <u>on a new sheet</u> in excel and run the time check as explained in the points below:																																																																					
5.	A) Insert a new column in between end and today columns. Name the column Time taken .			The formula will allow you to read the time taken in minutes. You may as well use the manual way of checking the time, if you want to use that refer to the following document: REACH_SOM_SOP_Data Cleaning_13APR2018																																																																		
<table><tr><th></th><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th></tr><tr><td>1</td><td>uuid</td><td>start</td><td>end</td><td>Time taken</td><td>today</td></tr><tr><td>2</td><td>6c8828ac-d2a7-4083-a769-1ee27375ec4b</td><td>2018-05-01T11:00:15.629+03</td><td>2018-05-01T11:28:47.297+03</td><td></td><td></td></tr><tr><td>3</td><td>88d48f2c-4d74-49f4-b46c-4bfc8a805c31</td><td>2018-05-01T10:41:55.516+03</td><td>2018-05-01T10:51:45.572+03</td><td></td><td></td></tr><tr><td>4</td><td>6252eaeef-bf3e-42a7-aa8f-721fb57287c6</td><td>2018-05-01T10:51:49.945+03</td><td>2018-05-01T11:00:11.026+03</td><td></td><td></td></tr><tr><td>5</td><td>d5e4bc8e-b7cb-4909-b366-0965a4877b17</td><td>2018-05-01T10:16:02.709+03</td><td>2018-05-01T10:32:12.135+03</td><td></td><td></td></tr><tr><td>6</td><td>40f4c21-fb33-438e-9915-d7e0bc227ef3</td><td>2018-05-01T10:32:16.791+03</td><td>2018-05-01T10:41:51.468+03</td><td></td><td></td></tr><tr><td>7</td><td>b405712d-3246-4841-8c55-2ae90285a9a9</td><td>2018-05-01T10:06:05.566+03</td><td>2018-05-01T10:15:57.532+03</td><td></td><td></td></tr><tr><td>8</td><td>cb988fa3-6425-412b-b485-6be094c6b458</td><td>2018-05-01T09:57:55.681+03</td><td>2018-05-01T10:06:01.176+03</td><td></td><td></td></tr><tr><td>9</td><td>5f17ac4a-f8c9-48a2-a62c-caf01d5a4c24</td><td>2018-05-01T09:49:18.510+03</td><td>2018-05-01T09:57:02.716+03</td><td></td><td></td></tr><tr><td>10</td><td>ffdc5fa-d406-412f-8b32-bea0b44443b2</td><td>2018-05-01T09:40:25.846+03</td><td>2018-05-01T09:49:14.570+03</td><td></td><td></td></tr></table>						A	B	C	D	E	1	uuid	start	end	Time taken	today	2	6c8828ac-d2a7-4083-a769-1ee27375ec4b	2018-05-01T11:00:15.629+03	2018-05-01T11:28:47.297+03			3	88d48f2c-4d74-49f4-b46c-4bfc8a805c31	2018-05-01T10:41:55.516+03	2018-05-01T10:51:45.572+03			4	6252eaeef-bf3e-42a7-aa8f-721fb57287c6	2018-05-01T10:51:49.945+03	2018-05-01T11:00:11.026+03			5	d5e4bc8e-b7cb-4909-b366-0965a4877b17	2018-05-01T10:16:02.709+03	2018-05-01T10:32:12.135+03			6	40f4c21-fb33-438e-9915-d7e0bc227ef3	2018-05-01T10:32:16.791+03	2018-05-01T10:41:51.468+03			7	b405712d-3246-4841-8c55-2ae90285a9a9	2018-05-01T10:06:05.566+03	2018-05-01T10:15:57.532+03			8	cb988fa3-6425-412b-b485-6be094c6b458	2018-05-01T09:57:55.681+03	2018-05-01T10:06:01.176+03			9	5f17ac4a-f8c9-48a2-a62c-caf01d5a4c24	2018-05-01T09:49:18.510+03	2018-05-01T09:57:02.716+03			10	ffdc5fa-d406-412f-8b32-bea0b44443b2	2018-05-01T09:40:25.846+03	2018-05-01T09:49:14.570+03		
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B) Paste this formula in cell D2 , then drag the formula to end of the column.																																																																						
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6.	Sort the time taken from Lowest to Highest or A to Z to check which surveys are filled in short time and which surveys are filled in longer periods , then highlight the feedback marked per enumerator in your notebook to brief the enumerators about it and advise accordingly. You may as well record the issues in the cleaning log and consult with AO/GIS to recommend way forward. The survey should take a minimum of 40 minutes to complete. Any survey completed in less than 40 minutes would be disqualified.																																																																					
7.	From here, go through the data cleaning vertically and horizontally to ensure everything else is accurate			Record the different issues in a cleaning log. It is highly recommended to use the REACH KENSOM standardized cleaning log.																																																																		

Now it is time to run a thorough data check. There are couple of things to understand before you proceed:

- 1) Familiarize the **data collection tool** with yourself i.e. know how the tool logics – relevance and constraints, work
- 2) Have the **last version of the tool** opened next to you in order to understand what each question code stands for
- 3) Be ready to perform **sort** and **filter** a million times! Pivots could aid the process or would be an alternative

- 4) Follow the column structure as it is – It is not advisable to skip any column to check later
- 5) You can print several copies of the SOP to keep track of the questions checked
- 6) Look at things based on the specific context of work i.e. urban vs rural, IDP vs HC, riverine vs non-riverine and etc.
- 7) Inspect if one enumerator is reporting the same answers repeatedly
- 8) Do not underestimate to use your own viewpoint to decide on matters. Common sense ideally helps a lot
- 9) Consult with your team members during difficulties
- 10) Conduct the data checks on daily basis, and share the feedback with partners, REACH enumerators and AO/GIS.

B- DATA CHECKS		
#.	QUESTION/ACTION	COMMENT
1.	Check all other values in the dataset – majorly do translations if needed. Also inform enumerators NOT to report in other while the answers could be found in the questionnaire.	Please keep this step pinned into your head at all the times!
2.	Correct the spelling in enumerator_name and enumerator_agency as needed.	
3.	region district settlement Quickly go through these columns especially when you are dealing with multiple locations at once. Also check if settlement_other has values and enquire the team why settlement was selected other .	
4.	idp_settlement – Filter this column to identify the surveys collected in an IDP settlement. Double check this with the data collection plan of that specific day i.e. It is unlikely to see this question selected YES if today plan doesn't include IDP sites. If you see so, take a note of this and raise with enumerators. Similarly, check whether the collection from IDP sites or from HC in the city/settlement/village.	
5.	idp_settlement_name – Check if the answers are matching to site names as in the sample proposal. i.e. if the targeted site name is Hanaano1 and you don't see Hanaano1 in the data or you see different site names, then take a note of this and ask the enumerators why the name is not matching to the target settlement name. GIS staff will also look at the geographic information of the assessment during spatial verification, but to be on the safe side, please check this as the data collection exercise goes on.	
6.	resp_gender – Filter this column to see what gender is reported most. If, for example, 1 male is interviewed out of 90 surveys, confirm with enumerators about it.	
7.	resp_age – By filtering this column, check frequency of age i.e. how frequent age12_17 is reported? At the same time check resp_gender	
8.	hh_children – Check how many households have children? Always use your common sense and the context to flag out something. Check also if this question is said YES and then reports 0 in all fields (under 18) of the demographics.	
9.	males_0_6m females_0_6m males_6m_4y females_6m_4y males_5_12	

	<p>females_5_12</p> <p>males_13_15</p> <p>females_13_15</p> <p>males_16_17</p> <p>females_16_17</p> <p>The above fields should not be answered 0 to when the hh_children is said YES. Again, check if the above are reporting high numbers i.e. 3 members of 0 to 6 months are in the same HH – should flag this to double check. Besides, cross-check the reported resp_age is also included in the household demographics.</p> <p>For example, you want to know if age46_50 is corresponding to the same age group in the demographics</p> <p>How to do this? follow the instructions ↓</p> <ul style="list-style-type: none"> a) Filter resp_age i.e. select only age46_50 b) Filter the respondent gender you are checking i.e. resp_gender = male c) Filter males_41_59 by selecting only 0 (<i>first unselect all and select only 0 from the list</i>). Now you can see the surveys which reported resp_age is equal to age46_55 but did not include in the age group of the demographics section. On the contrary, if you don't see any 0, it means okay 	
10.	<p>Check if the below fields are reporting high numbers e.g. 3 members of males_41_59 are in the same HH. Flag it!</p> <p>males_18_40</p> <p>females_18_40</p> <p>males_41_59</p> <p>females_41_59</p> <p>males_60_over</p> <p>females_60_over</p> <p>You also need to double check if the reported age in resp_gender is included in the demographics - wanna see how to do this? – refer to #8</p>	
11.	<p>total_hh – Check potential outliers – high and low figures. In this case:</p> <ul style="list-style-type: none"> - Low figures mean 0 and 1 - High could be any figure above 15 	
12.	<p>Filter all the following fields <u>one by one</u> to check any potential outliers – could be high figures in this case.</p> <ul style="list-style-type: none"> - At this point high means any figure above 3 <p>plw</p> <p>disabled_chronic</p> <p>sick_children</p> <p>mental</p> <p>uasc</p>	
13.	<p>yes_no_host – Check if the enumerators are reporting YES and initially said YES to idp_settlement, <u>because it is very unlikely to interview too many host communities living inside an IDP settlement</u>. So flag such issue and ensure you explain to enumerators during the morning debriefing</p>	
14.	<p>yes_no_returnee – Check if the HH is a returnee (Somali returning from another country)</p>	

	<p>refugee – Confirm if the HH is a refugee (non-Somali) if yes, please confirm the next query country_origin</p> <p>country_origin – Check if reported 'Somalia' or somewhere in Somalia i.e. "Baidoa" or "Puntland" or "Galkacyo". If you see such responses. Unlikely! Raise immediately and do the same thing as #.12</p>	
15.	<p>left_aoo</p> <p>arrived_current</p> <p>Check both date left area of origin and date arrived current location – if you find some of the responses seem illogic, take a note and brief the enumerators</p>	
16.	<p>locations_lived – Check if the figures reported are logically acceptable. Re check left_aoo and arrived_current</p>	
17.	<p>disp_why1</p> <p>disp_why2</p> <p>Check if both reasons are relevant to the context of the assessment or seem logic. If no, ask the team to explain</p>	
18.	<p>dest_loc_why1</p> <p>dest_loc_why2</p> <p>Check if both reasons are relevant to the context of the assessment or seem logic. If no, ask the team to explain</p>	
19.	<p>girls_beh_change</p> <p>boys_beh_change</p> <p>Check if both columns are reporting irrelevant answers or considered unreasonable</p>	
20.	<p>girls_harsh_work_type</p> <p>boys_harsh_work_type</p> <p>Check if both columns are reporting irrelevant answers or considered unreasonable</p>	
21.	<p>movement_restrictions – Check which answers are irrelevant to the context of the assessment or considered unreasonable</p>	
22.	<p>hh_insecurity_cause – Check which answers are irrelevant to the context of the assessment or considered unreasonable</p>	
23.	<p>not_safe_men_boys_where – Check which answers are irrelevant to the context of the assessment or considered unreasonable</p>	
24.	<p>not_safe_women_girls_where – Check which answers are irrelevant to the context of the assessment or considered unreasonable</p>	
25.	<p>gbv_services – Check which answers are irrelevant to the context of the assessment or considered unreasonable</p>	
26.	<p>bad_relations_reason – Check which answers are irrelevant to the context of the assessment or considered unreasonable</p>	
27.	<p>legal_system – Check which answers are irrelevant to the context of the assessment or considered unreasonable</p>	
28.	<p>decision_making – Check which answers are irrelevant to the context of the assessment or considered unreasonable</p>	

29.	own_land – If this question is answered YES, check the resp_gender and resp_age because it is not very practical for a certain age and gender to own a land i.e. a female child at the age of 14 years owning a land by herself could be the point but doesn't sound very practical, so seek further clarification	
30.	land_docs – Check the reported type of the land ownership document	
31.	payment_type – Check which rent payment type is reported most	
32.	rent_collector – Check which rent collector is reported most.	
33.	rent_frequency – Check which one is reported most. Filter this by payment_type	
34.	cash_amount – Check potential outliers – high and low figures	
35.	unable_pay_rent – Check the most reported answers. If there is unusual or sensitive information, seek for clarity.	
36.	food_no_reason1 food_no_reason2 Check if both columns are reporting irrelevant answers to the context of the assessment or considered unreasonable	
37.	food_normally – Check which answers are irrelevant to the context of the assessment or considered unreasonable	
38.	food_source – Check which answers are irrelevant to the context of the assessment or considered unreasonable	
39.	food_stocks_duration – Check outliers based on your own threshold. If high numbers are reported, seek further explanation from enumerators	
40.	primary_source secondary_source tertiary_source Check if above columns are reporting irrelevant answers to the context of the assessment or considered unreasonable.	
41.	livelihood_coping – Check which answers are irrelevant to the context of the assessment or considered unreasonable	
42.	livelihood_used – Check which answers are irrelevant to the context of the assessment or considered unreasonable	
43.	currency – Confirm if the reported currency type is commonly used in that area	
44.	exchange_rate_shilling – Confirm if the exchange rate of that current period in the area of attention is acceptable	
45.	food_price – Check if the reported household expenditure on food in the last month is acceptable. Analyse the reported values logically relating to the total_hh , and flag outliers – both high and low figures	
46.	water_drinking – Check the reported water source vs. available water sources in the area.	
47.	water_domestic – Check the reported water source vs. available water sources in the area.	
48.	adequate_water – Check if HH reports having enough water, and confirm with the water_storage . Analyse the reported values logically relating to the total_hh , and flag outliers – both high and low figures	

49.	water_access_challenges – Check which answers are irrelevant to the context of the assessment or considered unreasonable	
50.	jerrycan_cost – Check potential outliers – high and low figures . Prices could be different based on the different areas of Somalia, nevertheless confirm with the team.	
51.	water_price – Check if the reported household expenditure on water in the last month is acceptable. Analyse the reported values logically relating to the total_hh , and flag outliers – both high and low figures	
52.	water_storage – Check if the HH reports adequate_water and analyse the reported values logically relating to the total_hh , and flag outliers – both high and low figures	
53.	latrine_access – Check which answer is not relevant to the context of the assessment or is an unreasonable	
54.	latrine_type – Check which answer is not relevant to the context of the assessment or is an unreasonable	
55.	no_latrine_defecation – Check which answer is not relevant to the context of the assessment or is an unreasonable	
56.	health_services – Check which answers are irrelevant to the context of the assessment or considered unreasonable	
57.	health_issues_child – Check which answers are irrelevant to the context of the assessment or considered unreasonable	
58.	health_issues_adult – Check which answers are irrelevant to the context of the assessment or considered unreasonable	
59.	nutrition_service_available – Check which answers are irrelevant to the context of the assessment or considered unreasonable	
60.	number_shelters – Check potential outliers – high and low figures Analyse the reported values logically relating to the total_hh , and flag outliers – both high and low figures	
61.	type_shelter – Check which answers are irrelevant to the context of the assessment or considered unreasonable. Confirm if 0 – Open Air is repeatedly reported	
62.	shelter_age – Check potential outliers – high figures .	
63.	floor_material structural_material covering_material Check if above columns are reporting irrelevant answers to the context of the assessment or considered unreasonable	
64.	internal_separation_type – Check which answer irrelevant to the context of the assessment or is an unreasonable	
65.	nfis_good nfis_poor Check if both columns are reporting irrelevant answers to the context of the assessment or considered unreasonable.	
66.	jerry_cans_good	

	jerry_cans_poor jerry_cans_capacity Check potential outliers – high figures – illogic ones	
67.	mats_good mats_poor mats_capacity Check potential outliers – high figures – illogic ones	
68.	blankets_good blankets_poor blankets_capacity Check potential outliers – high figures – illogic ones	
69.	why_not_attend_girls why_not_attend_boys Check if both columns are reporting irrelevant answers to the context of the assessment or considered unreasonable.	
70.	val_food_voucher val_food_cash val_shelter_cash val_uncond_cash val_livelihood_cash val_water_voucher Check potential outliers – high and low figures .	
71.	aid_violence_types – Check which answers are irrelevant to the context of the assessment or considered unreasonable	