Research Terms of Reference
Joint Rapid Assessment of Markets (JRAM)
Erbil, Iraq
Research Cycle ID: IRQ1707

June, 2018
Version 2

REACH Informing more effective humanitarian action

1. Summary

Country of intervention	*Iraq*					
Type of Emergency		Natural disaster	X	Conflict		Emergency
Type of Crisis		Sudden onset		Slow onset	X	Protracted
Mandating Body	*Cash Working Group – Iraq (CWG – Iraq)*					
Project Code	*10CQD/CZT*					
REACH Pillar	X	Planning in Emergencies		Displacement		Building Community Resilience
Research Timeframe	July 2017 – July 2018					
General Objective	To collect data related to key indicators of market functionality in order to inform the design and implementation of cash and market-based programming by humanitarian actors in newly accessible areas of Iraq					
Specific Objective(s)	1) To understand the structure of the market[1], specifically the location of active central market places[2]; 2) To understand the impact of protracted conflict on the market, in particular damage to facilities and key infrastructure, as well as the effect of the security context on traders and consumers; 3) To determine the impact of protracted conflict on the availability and prices of key food and non-food items within the market; and 4) To understand the response capacity of traders within and related to the market (its ability to cope with a surge in demand)					
Research Questions	1. Where are market places located within the market? 2. What impact has the protracted crisis had on the selected market? 3. What are the prices and availability of key food and non-food items within the selected? 4. What is the response capacity of traders within the selected market to respond to increases in demand, and what are the factors have traders identified as being barriers to their response capacity?					
Research Type		Quantitative	X	Qualitative		Mixed methods
Geographic Coverage	The JRAM focuses on markets identified by the CWG and operational cash partners as being in need of a rapid harmonized market assessment carried out by multilple humanitarian actors. These are generally areas that are newly accessible to					

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[1] A market is the commercial system in which market places with similar supply chains and consumer bases exist, with clear geographic separation from surrounding markets.
[2] For the purposes of this assessment, a market place is defined as an area of commercial activity with clear delineation from surrounding residential or industrial areas.

	humanitarian actors, including – but not limited to – those areas recently retaken by the Iraqi Security Forces (ISF) from the so-called Islamic State in Iraq and the Levant (ISIL). Pre-existing administrive divisions are used to demarcate areas (e.g. district, sub-district or municipal boundaries within a city) and generally represent the market. Further specification of market places is accomplished through partner scoping and Secondary Data Review (SDR). The areas chosen for assessment to date include: - West Mosul – all neighbourhoods (July/August 2017) - Anah town – western Anbar (November 2017) - Ru'ua and Qa'im towns – western Anbar (March 2018) - Telafar – city and surrounding villages (May 2018)
Target Population(s)	JRAM data collection will focus on two distinct target populations: - Traders: - Retailers: traders who primarily target sales toward consumers. - Wholesalers: traders who primarily target sales toward retailers, rather than toward consumers. - Consumers: individuals who rely on the market to access and buy commodities.
Data Sources	**Secondary Data:** Reports concerning market assessment methodology, approach, and tools; previous market monitoring, asssment or price monitoring from Iraq (see section below for further details). **Primary Data:** Remote and field qualitative data collection by CWG partners, based on Key Informant Interviews (KIIs) with retailers, wholesalers and consumers who buy and sell in the selected markets.
Expected Outputs	The output for this project will be separated into three components: - A cleaned dataset incorporating data from all market places. - A "stoplight" indicator matrix with analysis done for key indicators[3] per market place. - A report outlining all key findings, and presenting an overarching comparative narrative of market health as reported by all respondent groups.

Humanitarian milestones			
	Milestone		**Timeframe** July 2017 – Continuous
	X	Cluster plan/strategy	*The Cash Working Group will utilize the findings of this JRAM to make operational decisions concerning the readiness of the selected market for cash and market-related programming.*
	X	NGO plan/strategy	*CWG partners and other cash and market-related operational actors will utilize the findings of this JRAM to inform their programming and as a baseline for future monitoring activities.*
		Other	

Audience			
	Audience type		**Specific actors**
	X	Operational	*Humanitarian actors running cash and market-related programming*

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[3] As selected by the CWG

	X	Programmatic	*Cash Working Group (CWG) – Iraq*
	X	Strategic	*Donors, the ICCG and HCT will all utilize the structure of the assessment as a model for joint assessments across other clusters and contexts.*
		Other	
Access	X	Public (available on REACH Resource Center and Relief Web)	
		Restricted (bilateral dissemination only for an agreed dissemination list, no publication on REACH or other platforms)	
		Other	
Visibility	All outputs will be joint CWG/REACH Initiative products, with all data collection partners included in acknowledgement sections of the report and presentation.		
Dissemination	At the country level, all outputs will be disseminated via the CWG and REACH. At the global level, the CWG will share selected outputs with regional coordination bodies or various agencies as an sample of a joint assessment. REACH in turn will upload all outputs to the REACH Resource Center, as well as the relevant outputs to Relief Web.		

2. Background & Rationale

Markets are a principle means by which individuals derive income and acquire commodities, but like all socio-economic systems they are vulnerable to disruption by crises, which can alter demand, supply, access and pricing.[4] Given how critical markets are to livelihoods, understanding the protracted effects of crises on markets is vital to any humanitarian response. The Joint Rapid Assessment of Markets (JRAM) will provide a comprehensive set of indicators that inform market health and the feasibility of cash and market-based responses in a variety of areas within Iraq, as mandated and defined by the Cash Working Group of Iraq (CWG).

In Iraq, the most recent humanitarian crisis began in 2014 with the spread of the group known as the Islamic State of Iraq and the Levant (ISIL) across wide sections of the central and northern governorates. According to the 2017 Humanitarian Response Plan (HRP), an estimated 11 million people – nearly one-third of the population – are in need of humanitarian assistance.[5] Despite the protracted conflict, markets have continued to function, backed up by a strong import-export relationship with neighbouring Turkey.[6] As an upper-middle income country with an established precedent of social transfers, Iraq is a strong contender for use of cash and market-based humanitarian programming. Indeed, cash and market-based programming has been used in the country since 2014 for both refugees and internally displaced persons (IDPs). By 2015, large international NGOs to include UNHCR and WFP were involved with cash or voucher distribution programmes,[7] and the value of market-based programming in the current Iraqi context is widely recognized.

However, such interventions require up-to-date and area-based assessments to be conducted in order to ensure that the assistance is targeted and appropriate for the market context. Although market assessments are carried out in Iraq on a regular basis, there has been a noted absence of the harmonization of tools and methodologies, meaning that data collected by one cash and market actor is not necessarily comparable to data collected by another. As areas become accessible to humanitarian actors and displaced populations return to their areas of origin, it is vital to understand the economic context people are living in or returning to. To address this gap in harmonization and comparable datasets, the CWG initiated the JRAM with the goal of enhancing collaboration between humanitarian actors with regard to market assessments in Iraq by producing regular, reliable and accessible data with broad utility that can be used to inform responses to the dynamic humanitarian context.

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[4] ICRC, Rapid Assessment of Markets.
[5] OCHA, Humanitarian Response Plan (February 2017).
[6] ODI, Challenging the System: Humanitarian Cash Transfer in Iraq (2017).
[7] Ibid.

The main audience for this information is the humanitarian community, and specifically those actors with cash and market-based programming. The data collected by the JRAM will provide a comprehensive evidence base for programming and for future monitoring exercises, as well as helping to determine the viability of various modalities for cash transfers. In addition, the data collected by the JRAM will inform future planning by the CWG and related donors, as the primary harmonized mechanism for assessing markets throughout Iraq.

REACH was identified by the CWG as the technical partner for this project due to extensive experience in assessments. Utilizing a comprehensive Secondary Data Review, as well as consultations with the CWG and other cash and market technical experts in country, REACH built both the tool and methodology for the JRAM, using as a model the Rapid Assessment of Markets (RAM) designed by the ICRC. The RAM was chosen as a model due to its flexibility and ability to provide rapid information on the capacity of a market to provide key commodities to an affected population in the context of a crisis.[8]

3. Research Objectives and Audience

The central objectives of the JRAM are as follows:

1. To understand the structure of the market, specifically the location of active central market places;
2. To understand the impact of protracted conflict on the market, in particular damage to facilities and key infrastructure, as well as the effect of the security context on traders and consumers;
3. To determine the impact of protracted conflict on the availability and prices of key food and non-food items within the market; and

To understand the response capacity of traders within and related to the market (its ability to cope with a surge in demand)

This information can then be utilized to inform humanitarian planning – and specifically cash and market-based programming – to determine if a) a cash or market-based programming is appropriate in a given market context and, 2) are there specific barriers to market access or market response capacity.

4. Research Questions

To achieve these aims, the research will rely on the following research questions:

1. Where are market places located within the market?
2. What impact has the protracted crisis had on the selected market?
3. What are the prices and availability of key food and non-food items within the selected?
4. What is the response capacity of traders within the selected market to respond to increases in demand, and what are the factors have traders identified as being barriers to their response capacity? 5. Methodology

5.1 METHODOLOGY OVERVIEW

The JRAM is a collaborative research project involving REACH Initiative and CWG Iraq partners. The methodology builds on the Rapid Assessment of Markets (RAM) tool. The process involves four phases:

1. **An initial scoping of the selected market** to provide basic information on market functionality and to identify central market places within the selected market

2. **Planning and coordination** of the data collection process among participating partners

3. **Qualitative data collection** from identified market places within the selected market through KIIs with traders and consumers (defined in 5.2 below).

4. **Data cleaning, analysis and output production**. The project is operated under the mandate of the CWG with REACH as a technical partner, cleaning and analysing all partner data, while CWG partners conduct all data collection. The analysis of the data will not lead to recommendations – cash partners, in collaboration with the

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[8] ICRC, The Rapid Assessment of Markets (2014).

CWG, will inform their programming using the analysis, though REACH will not play an operational role on programmatic decisions.

5.2 POPULATION OF INTEREST

The geographic area of the assessment will be defined by the market selected by the CWG for assessment. This decision will be informed by areas of need as identified by the CWG and CWG partners, current and planned operational areas of CWG partners, and overall humanitarian strategy as defined by the Humanitarian Needs Overview (HNO) and the Humanitarian Response Plan (HRP). The areas chosen for assessment to date include:

- West Mosul – all neighbourhoods (July/August 2017)
- Anah town – western Anbar (November 2017)
- Ru'ua and Qa'im towns – western Anbar (March 2018)
- Telafar – city and surrounding villages (May 2018)

These locations are subject to change based on input from the CWG and changes in security/operational context within these areas.

For the purposes of this assessment, the population groups of interest are actors related to the market in the selected area, including those who rely on the market as a source of livelihoods and those who rely on the market to supply them with essential items for survival.

- **Traders:** individuals who sell food and non-food consumer items – as represented by the basket of items within the JRAM tool[9] – within the selected market. This category is broken down into two components:
  - o **Retailers:** traders who primarily target their sales at consumers.
  - o **Wholesalers:** traders who primarily target their sales at retailers.
- **Consumers:** individuals who rely on the market and the associated market places within it to purchase food and non-food items essential to the maintenance of a healthy and dignified life.

5.3 SECONDARY DATA REVIEW

The Secondary Data Review (SDR) examined previous market assessment projects globally, with a particular focus on past market assessment tools used in Iraq. This thorough review provided background for the final methodology of the project, including market selection, sampling, tool design, data collection, and the data analysis and reporting process. The materials reviewed include, but are not limited to the following:

- **ICRC, Rapid Assessment for Markets (RAM): Guidelines for an Initial Market Assessment –** This report explains the RAM and outlines each of its tools. It will be used as a methodological grounding for the entire project.
- **ICRC, Market Analysis Guidance –** Provides advice, tips and recommendations for how to conduct and carry out market assessments in humanitarian situations.
- **Cash Learning Group, Minimum Standards for Market Monitoring –** Provides a wealth of information and best practices for designing and conducting market research.
- **Mike Albu, Emergency Market Mapping and Analysis (EMMA) Tool –** As the main alternative tool to the RAM for market assessments, this book provides a usual counterpoint as well as detailed guidance on assessing markets.
- **REACH Syria Market Monitoring Exercise –** Launched in collaboration with the Cash-Based Responses Technical Working Group (CBR – TWG), this project monitors price and market data in northern Syria producing factsheets on a monthly basis.

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[9] The items within the JRAM tool are drawn from the Minimum Expenditure Basket (MEB) as defined by the Market Monitoring Task Force (MMTF) of the CWG. The MEB is defined as a culturally adjusted set of food and non-food items necessary for an Iraqi family to live in a dignified manner.

- **Famine Early Warning Systems Network (FEWSNET), Market Analysis and Assessment, Learners Notes –** Provides detailed theoretical and methodological information about the study of markets, supply, demand, and access in humanitarian situations.
- **ODI, Challenging the System: Cash Transfers in Iraq –** Provides an overview of market- and cash-based programmes in Iraq as well as recommendations for the future. It will be used to help mould the research to the Iraqi context and understand what information humanitarian actors need.
- **WFP, Market Monitoring in East Mosul –** Perhaps the most recent cash study prior to the planned west Mosul JRAM, this report and findings will be used to establish best practices and lessons learnt.
- **Rapid Assessment of Markets (RAM) in Kirkuk and Ninewa Governorates, Iraq –** Along with the WFP report above, this is the one of the most recent cash studies completed prior to the planned west Mosul JRAM, a useful reference point and guide.
- **Isabelle Pelly, Rapid Assessment of Market (RAM) Report, Donetsk Oblast Ukraine** – A highly useful example of a RAM being used in a context of protected war and displacement.

For key definitions utilized for this project, please refer to Annex 1.

5.4 PRIMARY DATA COLLECTION

Primary data collection for the JRAM is divided into four phases[10], as defined below:

1. **Phase 1: Area Selection:** The CWG will be responsible for identifying the market to be assessed by the JRAM, and triggering the process by which the planning and coordination of the implementation of the JRAM in that area can begin. While REACH will play a consultative role in this process, the CWG will be ultimately responsible for the selection of the market for assessment. The CWG will make this selection based on:
    a. Humanitarian priorities as laid out by the Humanitarian Response Plan (HRP) and the Humanitarian Needs Overview (HNO)
    b. Feedback from operational CWG partners operating in the area selected for assessment.
    c. The absence of a comprehensive market assessment in that market **or** an identified need to reassess a market based on changes in context.

2. **Phase 2: Initial Market Scoping and Planning:** After selecting a market for assessment in Phase 1, the CWG will utilize its reporting mechanisms to identify operational partners within that selected area. REACH will then coordinate a scoping exercise with those operational partners with the capacity to participate in the assessment, with the goals of:

    a. Identifying key areas of commerce (market places) within the selected market, and – based on the expertise of staff implementing cash and market-based programming – determine whether these market places are sufficiently functional for assessment to be feasible.[11]
    b. Determining which market places – based on staffing capacity, organizational security assessments, and previous organizational scoping and operations in the area – are feasible for each organization to assess within the identified data collection timeframe.
    c. Collecting basic planning data including: key Informant details for retailers, wholesalers and consumers; GPS points of key market place locations and/or locations of traders to be assessed; and key details concerning infrastructure and access that could affect data collection for all partners.

    Based on the information collected during the above scoping exercise, the CWG will convene a workshop with all operational partners with the goal of discussing and triangulating all findings of the scoping conducted in the selected market. REACH will conduct SDR to further inform and triangulate these findings. In order to ensure the efficiency of the discussion, all operational partners will be asked to share a summary of the findings with the CWG and REACH prior to the convening of the workshop. Once the locations and functionality of all identified market places have been agreed upon by the CWG and operational partners, REACH and the CWG will facilitate the division of data collection responsibilities amongst the operational partners based on their capacity and level of access.

3. **Phase 3: Field Data Collection:** Following the completion of the scoping exercise and the planning workshop, operational partners will begin a period of simultaneous data collection in the market to be assessed.
    a. **Training:** REACH will provide key field staff for all operational partners with training in the methodology, tool, and data cleaning process.
    b. **Data Collection:** All data collection will be conducted through KIIs with retailers, wholesalers, and consumers, either in person or by phone. Data will be collected using a Kobo-based mobile tool with distinct question paths based on the respondent type.

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[10] Phase 4, Data Analysis, is outlined in section 5.5
[11] Note: If during the scoping activity, all operational partners indicate that the identified market places are not functional enough to be assessed at the current time, the implementation of the JRAM will be paused until such a point as the CWG and operational partners can determine that these market places have reached an operational stage that they can be assessed.

c. **Coordination:** All coordination during the data collection process will be conducted by REACH. Each data collection partner will have a designated coordination focal point, who will interact with REACH staff on a daily basis to provide updates on the data collection process, including clarifications about the methodology, issues of access to planned data collection areas, or technical issues with the JRAM tool. Coordination will be carried out through email, Skype, and by phone – to ensure that communication breakdowns are avoided during the data collection period.

d. **Sampling:** For the purposes of the JRAM, purposive sampling will be used to identify respondents. All data is qualitative and findings are indicative only. Market places within the target market area will be identified by data collection partners during the scoping component of the assessment, as outlined in Phase 2. The minimum sample size per market place for each respondent group can be found in the minimum data collection standards document (Annex 6). Selection of respondents will occur as follows:

   i. **Retailers** will be selected by data collection partners within the identified confines of the assigned market place. During training, partner organizations will be instructed to show preference toward retailers who sell a wider variety of items, to ensure that data is captured for all key food and non-food items within the JRAM tool.

   ii. **Wholesalers** will either be directly identified and surveyed during field data collection within the market place, or surveyed remotely by data collection partners. During the course of the retailer surveys, all respondents will be asked to provide contact details for their wholesalers, who will then be contacted by phone or, if possible, visited by partner staff. This will ensure that data collected tracks the supply chain directly related to the assigned market place.

   iii. **Consumers** will be randomly selected by data collection partners within the assigned market place at the time of data collection, and either surveyed in person, or have their details collected for assessment by phone at a later time. The determination of the assessment type (in person or by phone) will be determined both by the preference of the consumer, and partner security regulations regarding time on the ground. All data collection partners will be instructed to utilize both male and female enumerators during data collection, to ensure that contact details can be gathered for female consumers as well as male – with a strong preference for an even gender distribution among the 10 consumer respondents.

   The aim of this sample is to provide sufficient data to triangulate findings for each identified market place, while allowing data collection to be conducted within a relatively short period of time – in line with the rapid component of the project and input from the CWG and CWG partners. Additional KIIs can be conducted as necessary to reach the minimum number of respondents in the event that any surveys are discarded because of any irregularities in the data, or where data saturation has not been reached.

e. **Data Cleaning:** data cleaning will be carried out by REACH staff on a daily basis as partner data is received. As with coordination, each data collection partner will have a designated data focal point, who will be responsible for responding to all data cleaning inquiries. These inquiries will be logged in a shared Google Spreadsheet (one per data collection partner) in which data focal points can provide responses, as well as through colour coding raw datasets to correspond to the inquiries recorded on the spreadsheet. All changes will then be made and logged by REACH staff.

5.5 Data Analysis and Output Production

Once all data has been collected and cleaned, REACH will begin the final phase of data analysis and output production. Both the analysis and output production components are outlined below:

1. **Data Analysis:** Data analysis for the JRAM will be conducted in Excel, and will be disaggregated by respondent type and by related market place. Given the relatively small sample sizes, findings at the market place-level will be presented as counts rather than as percentages. For all market-level analysis, mean values for findings at the market place-level will be averaged to account for any differences in sample sizes across market places. These findings will be presented as percentages, given the larger sample sizes. The CWG and relevant CWG partners

have identified key indicators for the preliminary findings presentation, which can be found in the Indicator Matrix in Annex 6. Further analysis will be conducted for remaining indicators for inclusion in a final report. A detailed Analysis Plan can be found in Annex 7.

Output Production: the four major outputs of the JRAM are as follows:

1. Rapid Presentation of Findings: based on the CWG endorsed key indicators matrix, REACH will create a Key Findings presentation informing the aforementioned indicators. This presentation will be made during a workshop convened by the CWG no more than 2 weeks following the completion of data collection.
2. Full Cleaned Datasets: the full cleaned datasets for the JRAM will be made publicly available no more than 3 weeks after the completion of data collection.
3. Market Place Factsheets: individual key findings factsheets for each assessed market place will be publicly available and disseminated no more than 3 weeks after the completion of data collection.
4. Final Report: the final report for the JRAM will be publicly available and disseminated no more than one month after the completion of data collection.

6 Product Typology

Table 1: Type and number of products required

Type of Product	Number of Product(s)	Additional information
Rapid Findings Presentation	1	To be presented during a workshop hosted by the CWG within 2 weeks of the completion of data collection.
Report	1	The final report will outline all key findings, and present an overarching comparative narrative of market health as reported by all respondent groups.
Dataset	1	A full cleaned dataset will be released as soon as possible following the completion of data collection.

7. Management Arrangements and Work Plan

7.1. Roles and Responsibilities, Organogram

- Assessment Manager (AM)(1x)
    - Provide final in-country review for all outputs
    - Review tools, methodology, ToR and work plan
- Assessment Officer (AO)(1x)
    - External engagement
    - Coordination of all four phases of data collection
    - Review of all outputs
    - Design of tools and methodology
    - Data cleaning
    - Data analysis
    - Output production
- Junior Assessment Officer (JAO)
    - Coordination of all four phases of data collection
    - Design of tools and methodology
    - Data cleaning
    - Data analysis
    - Output production
- REACH GIS Officer (GIS)(1x)
    - Providing support on the production of maps used for the purposes of training, scoping and planning.
    - Production of all maps related to outputs
- REACH Technical Officer (TO)(1x)
    - Support on automation of data cleaning and analysis processes
- Database Officer (DBO) (1x)
    - Data cleaning
- Cash Working Group – Iraq (CWG)
    - Acting as the main mandating body for the JRAM
    - Providing expert feedback on all tools and methodology
    - Assisting with coordination of all phases of implementation
    - Conducting relevant external engagement with humanitarian coordination community, including ICCG and HCT
    - Primary disseminator of all outputs
    - Responsible for calling all relevant meetings related to the JRAM process

Table 2: Description of roles and responsibilities

Task Description	Responsible	Accountable	Consulted	Informed
Draft Internal TOR	JAO	AO	IMPACT HQ	CWG
Finalize Internal TOR	AO	AO	IMPACT HQ	CWG
Updating of Tool	JAO	AO	IMPACT HQ	CWG

Task	Responsible	Accountable	Consulted	Informed
Selection of Assessment Area	CWG	JAO	IMPACT HQ	AM
Finalization of Key Indicator Scoring Matrix	JAO	AO	IMPACT HQ	CWG
Hold Trainings for Relevant Partners	JAO	AO	IMPACT HQ	CWG
Coordinating Scoping	JAO	AO	IMPACT HQ	CWG
Finalization of Data Collection Plan	JAO	AO	IMPACT HQ	CWG
Implementing Data Collection	CWG	JAO	IMPACT HQ	CWG
Coordinating Data Collection	JAO	AO	IMPACT HQ	CWG
Data Cleaning	JAO	AO	IMPACT HQ	CWG
Data Analysis	JAO	AO	IMPACT HQ	CWG
Drafting of Rapid Presentation	JAO	AO	IMPACT HQ	CWG
Drafting of Factsheets	JAO	AO	IMPACT HQ	CWG
Drafting of Final Report	JAO	AO	IMPACT HQ	CWG
Dissemination of Outputs	JAO	AO	IMPACT HQ	CWG

Responsible: *the person(s) who execute the task*

Accountable: *the person who validate 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*

7.2. Resources: HR, Logistic and Financial

This project is funded under an OFDA grant (10CQD/10CZT), which is managed by REACH coordination and ACTED finance in country. As REACH is not an implementing parner for this project, all logistics and HR for implementing partners are the responsibility of those agencies. In addition, all costs associated with data collection are also the responsibility of the implementing agency. All costs incurred by REACH over the course of this project are related to staffing and training.

8. Risks & Assumptions

Table 3: List of risks and mitigating action

Risk	Mitigation Measure

Unstable security context within the selected market area	The security situation will be closely monitored by REACH and by data collection partners before and during the data collection process to ensure that partner staff remain safe. In addition, in the case of rapid shifts in the security context, data collection partners will maintain the ability to collect data remotely through existing KI networks.
Data collection partners will not be able to access all identified market places within the selected market	The use of multiple data collection partners with distinct security rules and areas of operation will ensure that all areas will be accessible during the data collection period.
The market places identified by data collection partners do not encompass all areas of commercial activity within the selected market	Data collection partners identified by the CWG for the purposes of this project will be those with the most active operations in the selected area, and therefore those actors with the best contextual knowledge. In addition, information captured during scoping will be triangulated amongst the data collection partners as well as by SDR in order to minimize the chance that major centers of commerce are not included.

9. Monitoring and Evaluation

See M&E table in Annex 5.

10. Documentation Plan

- ToR (both internal and external versions created)
- Data Analysis Plan (internal and global REACH missions)
- Key Indicators Matrix (CWG, CWG partners, and global REACH missions)
- Data Collection Tools (questions and answer choices public; full Kobo tool available to other clusters through the CWG to to REACH missions through REACH Iraq)
- Raw datasets and cleaning logs (internal, and raw data available to data collection partners who collected that data)
- Cleaned datasets (public)
- Key Findings Presentation (public)
- Market Place Factsheets (public)
- Final Report (public)

11. Annexes

1. Key Definitions
2. Data Management Plan
3. Questionnaire(s) / Tool(s)
4. Dissemination Matrix
5. M&E Matrix

Annex 1 : Key Definitions

Below a list of terms key to the research is defined to provide clarity:

1. **Market:** A market is a systematic structure that allows market actors to buy and sell a commodity. This includes production, transportation, and sale as well as the rules and social norms that govern interactions and the infrastructure that underpins them. In this methodology, a market refers to the systematic structure for one particular commodity, such as eggs, soap or lentils.

2. **Market places:** Whereas a market refers to a system, a market place refers to a physical location where commodities are bought and sold.

3. **Commodity:** A particular consumer item (such as rice) that is bought and sold.

4. **Traders:** Individuals that trade consumer goods in exchange for currency and/or credit

5. **Wholesalers:** Traders who target their sales toward retailers (traders), rather than toward consumers.

6. **Consumers:** Individuals who rely on the market to access and buy commodities

7. **Demand:** the amount of a particular good/commodity that buyers (consumers) will want to purchase at a particular time. Consumer desires and needs must be accompanied by purchasing power in order for it to be considered effective in the analysis of demand.

8. **Market Analysis:** The process of understanding the key features and characteristics of a market.

9. **Market Assessment:** Building on the analysis to see the effect a crisis could or is having on a market

10. **Market Based Programme:** Programmes that aim to improve the market so that it benefits people to a greater extent, improving access or improving functionality.[12]

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[12] Minimum Standards For Market Monitoring

Annex 2 : Data Management Plan

Administrative Data	
Project Name	Joint Rapid Assessment of Markets (JRAM)
Project Code	10CQD/10CZT
Donor	USAID - OFSA
Project Partners	Cash Working Group - Iraq
Project Description	A rigorous joint market assessment utilizing harmonized, qualitative data collection methods to survey retailers, wholesalers and consumers on various aspects of market health and access in order to inform humanitarian partners operating cash and market-based interventions in the assessment area.
Project Data Contacts	Jack Berger, REACH Assessment Officer – jack.berger@reach-initiative.org
DMP Version	Draft V1
Related Policies	• CWG Strategy • Humanitarian Grand Bargain • REACH Iraq Data Management Standards
Data Collection	
What data will you collect or create?	The final set of qualitative primary data will be presented publicly in cleaned datasets in Excel format.
How will the data be collected or created?	All primary qualitative data collected through a Kobo-based mobile data collection tool and uploaded to a dedicated REACH Iraq JRAM Kobo server. As raw data is received, it will be downloaded and saved on the password-protected REACH Iraq server for cleaning. After the data is cleaned, it will be saved in a separate folder on the same server, before eventually being aggregated into the full market and market place-specific datasets.
Documentation and Metadata	
What documentation and metadata will accompany the data?	**The finalized cleaned datasets will be presented with the following information:** **Read Me Tab:** outlining the purpose of the assessment, the accompanying tabs within the data document and contact information for relevant REACH staff. **Data Disaggregated by Respondent Type:** data tabs for retailers, wholesalers, consumers, and consumer market responses. **Questionnaire:** the full survey used by data collection partners in the field. **Questionnaire Choices:** all answer choice options included within the questionnaire.
Ethics and Legal Compliance	
How will you manage any ethical issues?	**Consent** - All the respondents will be asked for their consent prior to the interviews. **Anonymization** - All personally identifiable information (PII) will be removed or anonymised from shared datasets.
How will you manage copyright and Intellectual Property Rights (IPR) issues?	
Storage and Backup	
How will the data be stored and backed up during the research?	All digital data will be uploaded to Kobo, and downloaded on a daily basis for cleaning. Both raw and cleaned data will be secured on password-protected laptops or the password-protected REACH Iraq server on the office premises.
How will you manage access and security?	Only the REACH AO and JAOs directly responsible for the JRAM coordination will have access to the Kobo server.
Selection and Preservation	

Which data should be retained, shared, and/or preserved?	All raw and cleaned data will be stored both on password protected laptops, and archived on the password-protected REACH Iraq server on the office premises.
What is the long-term preservation plan for the dataset?	Archived on the password-protected REACH Iraq server, with the cleaned datasets also uploaded to the REACH Resource Centre.
Data Sharing	
How will you share the data?	Data will be uploaded to REACH Resource Centre, shared via the CWG and disseminated through REACH mailing lists.
Are any restrictions on data sharing required?	Personal identifiable information for both respondents and data collection partners will be removed from the data set prior to sharing, assuming the requesting party is not the data collection partner (the partner that collected that specific set of data).
Responsibilities	
Who will be responsible for data management?	REACH Iraq AO, JAO and DBO

Adapted from:

DCC. (2013). Checklist for a Data Management Plan. v.4.0. Edinburgh: Digital Curation Centre. Available online: http://www.dcc.ac.uk/resources/data-management-plans

Annex 3 : Questionnaire(s) / Tool(s)

Consent Statement

My name is XXXX and I am with XXXX humanitarian agency. We are conducting an assessment on behalf of the humanitarian community to better understand the key markets in West Mosul. I will ask you a series of questions about the market places in which you shop, and your ability to access those market places. We expect the interview to take approximately 20 minutes. No specific information about you will be shared publicly. The aim of this assessment is to assist the humanitarian community to better understand the current situation in market places across West Mosul. Following this initial interview, we may conduct follow-up calls with you to confirm certain information. Your participation is completely voluntary. Do you agree to participate in this assessment?

Consumer Survey

- What is the name of the respondent?
- What is the respondent's gender?
- What is the respondent's age?
- What is the respondent's phone number? (If possible)
- What is the respondent's occupation?
- In which neighbourhood does the respondent live?
- Prior to the arrival of armed groups, in how many different market places did you shop?
- How many market places can you currently access?

Questions per market place

- What is the name of the market place?
- In which neighbourhood is it located?
- What percentage of shops in the market place are trading?
- Are any of these commodities not available in the market place?
- In general, how have prices in the market place changed since the departure of armed groups?
- Do you currently face any barriers in accessing the market place?
    - What are those barriers?
        - Other
- What impact does the current security situation have on your access the market place?
- Which of these security factors affects your access the market place?
    - Other
- Do any people not feel safe accessing the market place?
    - Which people?

Questions concerning overall consumer experience

- Do you have any additional information concerning the market places in which you shop?
- Overall, do you purchase commodities in larger or smaller quantities at one time since the departure of armed groups?
    - Why?
- What is the most common way that you currently access cash?
    - Other
- What is the second most common way that you currently access cash?
    - Other
- Do you face any barriers to accessing cash?
    - What are those barriers?

Retailer Survey

- What are the GPS coordinates of the shop?
- What is the name of the shop?
- What is the name of the respondent?
- What is the phone number of the respondent? (If possible)
- Which of these items have you had in stock in the past 30 days?
- Are any of these commodities not available in the market place?
- Approximately how many shops does this market place host?
- What percentage of shops in the market place are trading?
- What percent of shops in the market place are damaged, but are still trading?
- What percent of shops in the market place are too damaged to continue trading?
- What is the primary barrier preventing shop owners from repairing or rebuilding their shops?
  - Other
- What is the secondary barrier preventing shop owners from repairing or rebuilding their shops?
  - Other
- Has any of the following infrastructure in the market place been damaged by the conflict?
  - If other, please specify
- What level of impact does damaged road infrastructure have on your business?
- What level of impact does damaged electricity infrastructure have on your business?
- What level of impact does damaged water infrastructure have on your business?
- What level of impact do damaged communication networks have on your business?
- What level of impact does damage to other infrastructure have on your business?
- Which cellular networks are functional in the area of the market place?
- Do any of these security factors have a negative impact on your business?
  - Other
- How has your number of suppliers for commodities changed since before the arrival of armed groups?
- Are the wholesalers that you purchase your stocks from based in this market place?
  - Were they based in this market place prior to the arrival of armed groups?
  - For those wholesalers outside of this market place, where are they located?
  - Where were they located prior to the arrival of armed groups?
- Where do you store your stocks?
  - Other
- Over the past 2 weeks, how many customers have come to your shop per day (on average)?
- In general, which neighbourhoods do your customers come from?
- What is the primary barrier preventing you from responding to increased demand?
  - Other
- What is the secondary barrier preventing you from responding to increased demand?
  - Other
- What is the tertiary barrier preventing you from responding to increased demand?
  - Other
- Do you currently offer your customers the opportunity to purchase on credit?
  - Why not?
- What percentage of your customers currently purchase on credit?
- On average, how many days before the credit is repaid?
- How has demand for credit changed since the departure of armed groups?

Item-specific questions

- What is the cheapest price for [quantity] of [item] (in IQD)?
- How many days ago did you update your prices for [item]?

- How do you determine your [item] prices?
- Does this price change based on the time of year?
    - In which season is the price highest?
    - In which season is the price lowest?
- Is the good imported?
    - From which country was this good imported into Iraq?
        - Other
- From how many wholesalers do you currently purchase your [item]?
- How many days ago did you restock your [item]?
- In approximately how many days will you next restock your [item]?
- Has there been a shortage of [item] in the past 30 days?
- If demand for [item] were to increase by 50%, would you be able to respond to this increase?
- If demand for [item] were to increase by 100%, would you be able to respond to this increase?

Wholesaler Survey

- What are the GPS coordinates of the wholesaler?
- Where is the wholesaler located?
- What is the name of the wholesaler?
- What is the phone number of the respondent? (If possible)
- Which of these items have you had in stock in the past 30 days?
- Have your facilities been damaged by the conflict?
- What is the primary barrier preventing you from repairing or rebuilding your facilities?
    - Other
- What is the secondary barrier preventing you from repairing or rebuilding your facilities?
    - Other
- Has any of the following infrastructure in your area been damaged by the conflict?
    - If other, please specify
- What level of impact does damaged road infrastructure have on your business?
- What level of impact does damaged electricity infrastructure have on your business?
- What level of impact does damaged water infrastructure have on your business?
- What level of impact do damaged communication networks have on your business?
- Which cellular networks are functional in the area of the market place?
- What level of impact does damage to other infrastructure have on your business?
- Do any of these security factors have a negative impact on your business?
    - Other
- In general, how has damaged infrastructure affected your business?
    - Other
- From approximately how many suppliers do you purchase your stocks?
- How has your number of suppliers for key commodities changed since before the arrival of armed groups?
- Where are your suppliers based?
- Where were your suppliers based prior to the arrival of armed groups?
- Do you have a secondary location where you store additional stock?
    - Where?
- Has your storage capacity been negatively affected by the conflict?
    - How?
- In which market places do you have customers who currently purchase from you?
- What is the primary barrier preventing you from responding to increased demand?
    - Other
- What is the secondary barrier preventing you from responding to increased demand?
    - Other
- What is the tertiary barrier preventing you from responding to increased demand?

- o   Other
- Do you currently offer your customers the opportunity to purchase on credit?
  - o   Why not?
- What percentage of your customers currently purchase on credit?
- On average, how many days before the credit is repaid?
- What are the criteria for a customer to be allowed to purchase on credit?
- Has demand for credit changed since the departure of armed groups?
- Are customers buying in larger or smaller quantities at one time since the departure of armed groups?

Item-specific questions

- What is the cheapest price for [quantity] of [item] (in IQD)?
- How many days ago did you update your prices for [item]?
- How do you determine your [item] prices?
- Does this price change based on the time of year?
- In which season is the price highest?
- In which season is the price lowest?
- Is the good imported?
  - o   From which country was this good imported into Iraq?
    - ▪   Other
- From how many wholesalers do you currently purchase your [item]?
- How many days ago did you restock your [item]?
- In approximately how many days will you next restock your [item]?
- Has there been a shortage of [item] in the past 30 days?
- If demand for [item] were to increase by 50%, would you be able to respond to this increase?
- If demand for [item] were to increase by 100%, would you be able to respond to this increase?

Annex 4 : Dissemination Matrix

Dissemination Channel	Comments
Cash Working Group - Iraq	Sharing of all outputs through relevant dissemination channels, and with ICCG/HCT.
REACH Iraq	Sharing of all outputs through in-country REACH dissemination platforms (SendinBlue), coordination Skype groups, cluster mailing lists and bilateral contact with partners and clusters,
Resource Centre	All outputs uploaded to the REACH Resource Centre.

Annex 5 : M&E Matrix

Goal	External M&E Indicator	Internal M&E Indicator	Methodology	Focal point	Tool	Research-specific information
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 Centre	User monitoring	Country request to HQ	User_log	Y
		# of downloads of x product from Relief Web		Country request to HQ		Y
		# of downloads of x product from Country level platforms		Country team		N
		# of page clicks on x product from REACH global newsletter		Country request to HQ		N
		# of page clicks on x product from country newsletter, sendingBlue, bit.ly		Country team		Y
		# of visits to x webmap/x dashboard		Country request to HQ		N
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)	Reference monitoring	Country team	Reference_log	CWG HNO/HRP Chapter 2018 Integration into CWG partner M&E platforms, including the Cash Consortium of Iraq (CCI)
		# references in single agency documents				
Humanitarian stakeholders are using IMPACT products	Humanitarian actors use IMPACT evidence/products as a basis for decision making, aid planning and delivery Number of humanitarian documents (HNO, HRP, cluster/agency strategic plans, etc.) directly informed by IMPACT products	Perceived relevance of IMPACT country-programs	Usage M&E	Country team	Usage_Feedback *and* Usage_Survey template	Usage survey to be conducted at the end of the research cycle related to all outputs, targeting all operational partners
		Perceived usefulness and influence of IMPACT outputs				
		Recommendations to strengthen IMPACT programs				
		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 *(providing resources, participating to presentations, etc.)*	# of organisations providing resources (i.e. staff, vehicles, meeting space, budget, etc.) for activity implementation	Engagement Monitoring	Country team	Engagement_log	Running log to be kept of all contributions, inputs and engagement
		# of organisations/clusters inputting in research design and joint analysis				
		# of organisations/clusters attending briefings on findings;				

Annex 6 : Rapid Decision Making Tool

			JRAM Decision-Making Indicators					
Retailers		Overall market health		The Traffic Lights			Colour	Discussion notes
	R.1	What percentage of shops in the market/market place are reported to be trading by consumers?	0 - 50%	51 - 75%	76 - 100%		
	R.2	How many of the assessed goods are available in the market/market place?	0 - 12	13 - 15	17		
	R.3	For how many items did 25% or more of retailers report a shortage in the past 30 days?	6+	1 - 5	0		
		Infrastructural damage						
	R.4	What percentage of total retailers report that damage to electricty infrastructure has a moderate or severe impact on their business?	50 - 100%	49 - 25%	24 - 0%		
	R.5	What percentage of total retailers report that damage to road infrastructure has a moderate or severe impact on their business?	50 - 100%	49 - 25%	24 - 0%		
		Market Elasticity						
	R.6	What percentage of retailers reported that their number of suppliers has reduced since before the crisis?	50 - 100%	49 - 25%	24 - 0%		
	R.7	What is the average number of locations that retailers' suppliers are based in?	1	2 - 3	4+		
		Response capacity						
	R.8	What is the average reported capacity for retailers when responding to increased demand by 50%?	0 - 50%	51 - 75%	76 - 100%		
	R.9	What is the average reported capacity for retailers when responding to increased demand by 100%?	0 - 25%	26 - 50%	51 - 100%		
Wholesalers		Overall market health		Criteria			Colour	Notes
	W.1	For how many items did 25% or more of wholesalers report a shortage in the past 30 days?	6 +	1 - 5	0		
		Infrastructural damage						
	W.2	What percentage of total wholesalers report that damage to electricty infrastructure has a moderate or severe impact on their business?	50 - 100%	49 - 25%	24 - 0%		
	W.3	What percentage of total wholesalers report that damage to road infrastructure has a moderate or severe impact on their business?	50 - 100%	49 - 25%	24 - 0%		
		Market Elasticity						
	W.4	What percentage of wholesalers reported that their number of suppliers has reduced since before the crisis?	0 - 50%	51 - 75%	76 - 100%		
	W.5	What is the average number of locations that wholesalers' suppliers are based in?	1	2 - 3	4+		
		Facilities						
	W.6	What percentage of the total number of wholesalers reported that their storage capacity has been affected by the crisis?	50 - 100%	49 - 25%	24 - 0%		
		Response capacity						
	W.7	What is the average reported capacity for wholesalers when responding to increased demand by 50%?	0 - 50%	51 - 75%	76 - 100%		
	W.8	What is the average reported capacity for wholesalers when responding to increased demand by 100%?	0 - 25%	26 - 50%	51 - 100%		
Consumers		Overall market health		Criteria			Colour	Notes
	C.1	What percentage of shops in the market/market place are reported to be trading by consumers?	0 - 50%	51 - 75	76 - 100%		
	C.2	For how many items did 25% or more of consumers report that they were not available in the market/market place?	4 - 6	1 - 3	0		
	C.3	What percentage of consumers report that prices have decreased since the end of the offensive?	0 - 69%	70 - 89%	90 - 100%		
		Market access						
	C.4	What percentage of consumers reported barriers to market access?	100 - 25%	24 - 0%	0%		
					Total Reds			

Annex 7 : Data Analysis Plan

Research questions	IN #	Data collection method	Indicator / Variable	Questionnaire Question	Questionnaire Responses	Data collection level	Sampling	Aggregation / Disaggregation	Aggregation / Disaggregation - First indicator / variable	Aggregation / Disaggregation - Second indicator / variable	Aggregation / Disaggregation - Third indicator / variable	Weighting?	Adjust for design effect?	Significance test?	Included in final analysis?	If not, explain:
Disaggregation / Aggregation variables	1.1	KI Interview	location	What is the name of the location?	Name	District / Community	Purposive									
	1.2	KI Interview	respondent_type	What is the respondent type	Name	District / Community	Purposive									
Where are market places located in the selected areas?	A1.1	KI Interview	location	What is the name of the location?	Name	District / Community	Purposive	N/A	1.2	N/A	N/A	N/A	N/A	N/A	NO	
	A1.2	KI Interview	market_place	What is the name of the market place you are assessing?	Name	District / Community	Purposive	N/A	1.2	N/A	N/A	N/A	N/A	N/A	NO	
What impact has the protracted crisis had on the selected market?	B1.1	KI Interview	infrastructure_damage	Has any of the following infrastructure in the market place been damaged by the conflict?	Yes/No	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.2	KI Interview	infrastructure_damage_roads	What level of impact does damaged road infrastructure have on your business?	Severe/Moderate/Slight/No Impact	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.3	KI Interview	infrastructure_damage_electricity	What level of impact does damaged electricity infrastructure have on your business?	Severe/Moderate/Slight/No Impact	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.4	KI Interview	infrastructure_damage_water	What level of impact does damaged water infrastructure have on your business?	Severe/Moderate/Slight/No Impact	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.5	KI Interview	infrastructure_damage_communication	What level of impact do damaged communication networks have on your business?	Severe/Moderate/Slight/No Impact	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.6	KI Interview	communication_networks	Which cellular networks are functional in the area of the market place?	Network name	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	NO	Not valuable
	B1.7	KI Interview	(trader)_storage_capacity	Has your storage capacity been negatively affected by the conflict?	Yes/No	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.8	KI Interview	(trader)_storage_capacity_how	How?	Open ended question	District / Community	Purposive	N/A	N/A	N/A	N/A	N/A	N/A	N/A	YES	
	B1.9	KI Interview	shops_damaged_respondent	Have your facilities been damaged by the conflict?	Yes/No	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	NO	Not valuable
	B1.10	KI Interview	rebuild_barrier_primary	What is the primary barrier preventing shop owners in the area from repairing or rebuilding their shops?	Funds/Materials/Security/Access/Regulatory/None/Other/Dnk	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.11	KI Interview	rebuild_barrier_secondary	What is the secondary barrier preventing shop owners in the area from repairing or rebuilding their shops?	Funds/Materials/Security/Access/Regulatory/None/Other/Dnk	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.12	KI Interview	retailer_security_issues	Do any of these security factors have a negative impact on your business?	Check points/Armed actors/Curfews/Fear violence/Fear harassment/Ongoing violence/Other/No impact	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.13	KI Interview	market_place_functionality	What percentage of total shops in this market place are trading?	% of overall functionality	District / Community	Purposive	Disaggregation	1.1	N/A	N/A	N/A	N/A	N/A	NO	Data cleaning issues
	B1.14	KI Interview	market_places_barriers_current	Do you currently face any barriers in accessing this market place?	Yes/No	District / Community	Purposive	Disaggregation	1.1	N/A	N/A	N/A	N/A	N/A	YES	
	B1.15	KI Interview	market_places_barriers_type	What are those barriers?	Security/Transportation/Roads/Functionality/Other	District / Community	Purposive	Disaggregation	1.1	N/A	N/A	N/A	N/A	N/A	NO	Not valuable
	B1.16	KI Interview	security_impact	What impact does the current security situation have on your access to this market place?	Severe/Moderate/Slight/No Impact	District / Community	Purposive	Disaggregation	1.1	N/A	N/A	N/A	N/A	N/A	YES	
	B1.17	KI Interview	consumer_security_issues	Which of these security factors affects your access to this market place?	Check points/Armed actors/Curfews/Fear violence/Fear harassment/Ongoing violence/Other/No impact	District / Community	Purposive	Disaggregation	1.1	N/A	N/A	N/A	N/A	N/A	YES	
	B1.18	KI Interview	wholesaler_change	How has your number of wholesalers for commodities changed since before the arrival of armed groups?	Increase/Decrease/No change/Dnk	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.19	KI Interview	wholesaler_location1	Are the wholesalers that you purchase your stocks from based in this market place?	Yes/No	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.20	KI Interview	wholesaler_location_preag	Were they based in this market place prior to the arrival of armed groups?	Yes/No	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.21	KI Interview	wholesaler_location_outside	For those wholesalers outside of this market place, where are they located?	Location	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	B1.22	KI Interview	wholesaler_location_outside_preag	Where were they located prior to the arrival of armed groups?	Location	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
What are the prices and availability of key food and non-food items within the selected?	C1.1	KI Interview	shortage	Has there been a shortage of (item name) in the past 30 days?	Yes/No	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	C1.2	KI Interview	access_to_commodities	Are any of these commodities not available in this market place?	# of items not available	District / Community	Purposive	Disaggregation	1.1	N/A	N/A	N/A	N/A	N/A	YES	
	C1.3	KI Interview	price_change_offensive	In general, how have prices in this market place changed since the departure of armed groups?	Increase/Decrease/No change/Dnk	District / Community	Purposive	Disaggregation	1.1	N/A	N/A	N/A	N/A	N/A	YES	
	C1.4	KI Interview	price_comparison	Price comparison in Qaim and Rawa	% difference	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	C1.5	KI Interview	cash_access_primary	What is the most common way that you currently access cash?	Hawallas/Government salary/Banks/Daily wage/Other/Dnk	District / Community	Purposive	Disaggregation	1.1	N/A	N/A	N/A	N/A	N/A	YES	
	C1.6	KI Interview	cash_access_secondary	What is the second most common way that you currently access cash?	Hawallas/Government salary/Banks/Daily wage/Other/Dnk	District / Community	Purposive	Disaggregation	1.1	N/A	N/A	N/A	N/A	N/A	YES	
	C1.7	KI Interview	cash_access_barriers	Do you face any barriers to accessing cash?	Yes/No	District / Community	Purposive	Disaggregation	1.1	N/A	N/A	N/A	N/A	N/A	YES	
	C1.8	KI Interview	(trader)_credit	Do you currently offer your customers the opportunity to purchase on credit?	Yes/No	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	C1.9	KI Interview	(trader)_credit_percent	What percentage of your (population) currently purchase on credit?	% of consumers/traders	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	C1.10	KI Interview	(trader)_credit_repay	On average, how many days before the credit is repaid?	Mean of days	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	NO	Not valuable
	C1.11	KI Interview	(trader)_demand	How has demand for credit changed since the departure	Increase/Decrease/No	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
What is the response capacity of traders within the selected market to respond to increases in demand, and what are the factors have traders identified as being barriers to their response capacity?	D1.1	KI Interview	(item)_response_50	If demand for (item) were to increase by 50%, would you be able to respond to this increase?	Yes/No	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	D1.2	KI Interview	(item)_response_100	If demand for (item) were to increase by 100%, would you be able to respond to this increase?	Yes/No	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	D1.3	KI Interview	demand_response_barrier_primary	What is the primary barrier preventing you from responding to increased demand?	Suppliers shortage/Resources/Infrastructure/Supply chain/Storage/Security/Other/None	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	D1.4	KI Interview	demand_response_barrier_secondary	What is the secondary barrier preventing you from responding to increased demand?	Suppliers shortage/Resources/Infrastructure/Supply chain/Storage/Security/Other/None	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	
	D1.5	KI Interview	demand_response_barrier_tertiary	What is the tertiary barrier preventing you from responding to increased demand?	Suppliers shortage/Resources/Infrastructure/Supply chain/Storage/Security/Other/None	District / Community	Purposive	Disaggregation	1.1	1.2	N/A	N/A	N/A	N/A	YES	