

Appendix 9.9

Health Key Informant Interview Summary

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Appendix 9.9 Health Key Informant Interview Summary

The Key informants' in-depth interviews in Mostorod Area (Arab El Hessn and Atef villages in Mataria , Cairo Governorate and in Kaesa, and Naguib villages in Khosos, Qlubiya Governorate) is one of the effective approaches for identifying and collecting qualitative data and information that helps in analyzing the healthcare services in the area. The intended outcome of those interviews are designed to be a mean for identifying the vision of the key persons in the area to invest on their official roles as decision makers, their personal experience, and their community roles as representatives of different community sectors. Those KI interviews have defined, from their viewpoints, the current and future situations and challenges facing the health sector. The Health Team conducted 20 interviews to ensure a comprehensive involvement of various sectors. Being a multidisciplinary study, its objectives cover many categories.

Objectives:

1. *To collect information from Key Informants (KI)*
 - *To provide an overview of the population's current health status;*
 - *To identify priority health needs;*
 - *To identify health resources;*
 - *To identify the view of the key informants about the most important health care problems in the area..*
 - *To view the role of private sector in primary and secondary care provision.*
2. *To identify the role of already established companies towards community needs*
3. *To crosscheck the obtained data from KI interviews with those collected through other tools and sources.*

First: General Overview

1. Identifying the current general status of the community.
2. Identifying the most common jobs/activities that residences practice.
3. Identifying the level of population's culture awareness, and education...
4. Identifying that the KI are with or against establishing new industries in the area, as well as positive/negative effects from their perspective.
5. Specifying the prominent activities exerted by the officials to develop the area and community?
6. Identifying the role of already existing industrials/factories in the area to support the citizens and community.

Second: Health Problems

1. Identifying the most dominant health problems in the area.
2. Specifying the already existing industries in the area (as petrol Refining Company, Glass Company, and clay Pottery Company) have a reported/announced influence on health problems.
3. Identifying any reported/announced source of pollution in the area Focusing on water sources, drain water, foundries, and pigs)
4. Identifying the beneficial/adverse effect on health from agricultural environment.
5. Identifying beneficial/adverse effect on health the dust, exhaust, noise.

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6. Identifying any prevalence signs of potential hearing loss, fatigue and/or mental disturbance among the community.
7. Identifying any existing health problem that health care delivery system is incapable of dealing with.
8. Identifying needs to address the problems that you have been described.
9. Identifying the major reproductive health problems in the area concerning both genders (males & females) (Special emphasis on STD's...and Hepatitis C.

Third: Health Care services.

1. Identifying the extent of availability of governmental health services and other services for the poor sector, and specifying the categories and the districts deprived from these services.
2. Identifying the general mix of available health care services in the area.
3. Identifying that several health sectors care in the area are providing health services effective enough to meet the people needs.
4. Identifying where the poor, can they access governmental clinics, and if not these were available, from where they can get their needed health service.
5. Identifying methods for health providers to be more effective in the area.
6. Identifying the status of health insurance coverage in the area,
7. Identifying the measures that can be done to improve the quality of the health services provided in the area and to improve health status of people residing in this area.

Fourth: Private and NGO Sector Roles.

1. Identifying the services they can afford to the community by the NGO(s).
2. Identifying the role of the private sector at the primary care level and hospital care level in the area.
3. Identifying the users of the private (including NGO) health care services among normal level, moderate level, poor, non-insured, insured, and other.

1.1 Selection Criteria of Key Informants:

- Selection was carried out according to their background, and knowledge of the actual situation of the health services provided to Arab El Hessn, Atef village, Naguib village, Karatssa, and Lay down area.
- Different sectors and categories are represented, which included Local health care providers in the governmental, private, the formal and informal leaders in the community that may be able to provide information on health issues in the area (NGO Leaders, Elected council members, Company mangers, Family elders, and Agricultural workers.

- Specifying and selecting KI was done through our coordinators in each area, who provided the team with all the needed support in all selection stages, specifying places and timing of the interviews, solving all problems facing the study team. So, we feel obliged to thank them and appreciate his great support.

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- The team prepared the guideline for the interview and a guideline for the interviewers to demonstrate techniques of discussion and its implementation. Questions were revised and introduced to the interviewers and with ERC team, which has been reviewed and modified to reach the final frame to execute the interviews.
- Dr. Said Khalil, Dr. Sayed Aql and Dr. Alla Afifi interviewed the 20 KIs. They were assisted by the coordinators.

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1.2 Data and Information Collection:

15 KIs agreed to perform audio recording beside the written documentation. Only 5 KIs refused to have their speech recorded, out of 20 participants.

In the following page a table, this demonstrates titles & name of the KIs interviewed:



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KEY INFORMANT INTERVIEWS BY TARGET GROUP AND AREA

Target Group	North Plot Area		South Plot Area		Laydown Area	Total
	El Karatssa	Naguib	Arab El Hessn	Esbet Atef		
Ministry of Health	1			2		3
Ministry of Education			1	1		2
Ministry of Justice		1	2			3
Ministry of Endowments (Awkaf)	1					1
Ministry of Transportation			1			1
Ministry of Finance				1		1
*Councillor		1	1			2
Private Factory (Leathers)					1	1
NGO's	1		1			2
Community	1	2		1		4

*Councillor, Cairo Governorate represents Arab El Hessn & Ezbet Atef

*Councillor, Qlubiya Governorate represents Karatssa & Lay down area

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KEY INFORMANTS

#	Name	Organization	Position	Date of Interview	Venue of Interview
NORTH PLOT					
El Karatssa					
1.	Labib Micheal Rezik	Ministry of Health	Director Medical Centre, Khosos	25 May,2008	Medical Centre Khosos
2.	Sobhy Ahmed El-Morsi	Ministry of Endowments (Awkaf)	Mosque Emam (Karatssa)	29 May,2008	Nasr Elsalam Meeting Room
3.	Hussuin Abdo Emam El-Kerdasy	Community	Community Leader (Un-official)	29 May, 2008	Nasr Elsalam Meeting Room
4.	Hussain Fathy	Nasr Elsalam NGO	Accountant	4 June,2008	Nasr Elsalam Meeting Room
Naguib					
1.	Sobaieh Abd El Hamid Ibrahim	Community	Community Leader (Un-official)	6 June, 2008	Coffee Shop Naguib Village
2.	Mohamed Hussuin Abd El-Maksood	Community	Community Leader (Un-official)	6 June, 2008	Coffee Shop Naguib Village
3.	Khalid Nofal	Ministry of Justice	Lawyer	6 June, 2008	Coffee Shop Naguib Village
4.	Zakaria El-Barkoshy	Qlubiya Governorate	Head Councilor	6 June, 2008	Coffee Shop Naguib Village

#	Name	Organization	Position	Date of Interview	Venue of Interview
SOUTH PLOT					
Arab El Hessn					
1.	Abdallah Mohamed Ibrahim	Ministry of Education	Director of NGO	23 May,2008	NGO Office(Laqa Elagaeal)

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#	Name	Organization	Position	Date of Interview	Venue of Interview
2.	Magdy Yassin	Laqa Elagaeal, NGO	Chairman, BOD	23 May,2008	NGO Office(Laqa Elagaeal)
3.	Salem Massoud	Cairo Governorate	Councilor	1 June,2008	Masood Office Khosos
4.	Ahmed Abd El-Baseit	Ministry of Transportation	Employee	2 June,2008	NGO Office(Laqa Elagaeal)
5.	Ramadan Marzouk	Ministry of Justice	Lawyer	2 June,2008	NGO Office(Laqa Elagaeal)
6.	Mohmoud Ali Ghanim	Ministry of Justice	Lawyer	2 June,2008	NGO Office(Laqa Elagaeal)
Esbet Atef					
1.	Yousef Amin	Ministry of Health	Pharmacist	22 May, 2008	NGO Office Atef Village
2.	Ahmed Mohamed Abdo	Ministry of Education	Teacher	24 May,2008	NGO Office(Atef Village)
3.	Ahmed Ragab	Ministry of Health	Pharmacist	24 May,2008	Ragab Pharmacy Atef Village
4.	Magdy Sayied Kamil	Bank Nasser	Deputy Chairman, Anwar El-Maghfera NGO	23 May,2008	NGO Office(Laqa Elagaeal)
5.	Salem Abo Aredyia	Community	Community Leader (Un-official)	23 May,2008	NGO Office(Laqa Elagaeal)
LAYDOWN AREA					
1.	Abd El Nabi Abd El Moniem Shehab	Private Factory (Kataway)	Owner	4 June,2008	Abd El-Maksood Village

Summary of Health Survey Key Informant Interviews

Twenty key informant interviews were conducted in relation to the health component of the project.

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Interviews were conducted by three senior physicians experienced in the interviewing process. A guideline of 22 interview questions was flexibly used as a basis for the interviewing process.

Synopsis of answers to questions addressed to key informants

A. Overview Questions:

A-1. How would you rate the current health status in the area?

Low to very low: 14

Average: 3

Variable among different groups: 2

Good: 1 (in the lay down area)

A-2. What are the most common jobs practiced?

Craftsmen – garbage collectors – foundries and smelting workers – charcoal manufacturers – carpenters – blacksmiths – construction workers – street vendors – few governmental employees. Unemployment rates are high.

A-3. Are you supporting or opposing establishment of new factories in the area? What are the pros and cons?

All support establishing new factories, to reduce unemployment PROVIDED safety to health and environment is guaranteed.

A-4. What is the current educational and cultural status of the community?

Cultural: average to low

Educational: high illiteracy, but many young persons are high school or even university graduates.

A-5. What are the main services provided by elected officials to help develop the community?

Limited, mainly helping resolve disputes among individuals.

A-6. Do already existing factories help the community? Give examples.

No, one respondent described them as "isolated islands".

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B. Health Problems:

B-1. What are the most important health problems in the area?

Chest infections – gastroenteritis - reduced hearing – diabetes – hypertension – liver diseases – skin diseases – bronchial asthma – eye diseases – renal failure- bilharziasis.

B-2. Do existing factories (like oil refineries, glass and pottery factories) harm community health?

The majority did not perceive any harm, but they thought that factories might harm health even if they were unable to detect the link between factories and ill health.

Few respondents linked noise to reduced hearing acuity and smoke to chest diseases.

B-3. Are there any other sources of pollution in the area? (Related to water – sewage-disposal – metal smelting – pig farms, etc..)?

- Water supply is irregular.
- Sewage disposal system is inefficient (sewage overspill).
- Garbage.
- Metal foundries.
- Dust.
- Pig farms.
- Wood burning to make charcoal.

B-4. Does nearby agriculture affect community health?

No, agriculture has sharply receded; agricultural land is being used for "illegal" house construction.

Two respondents however expressed concerns about the quality of irrigation water and its effect on health and mosquito breeding, with possible associated risks to health.

B-5. What are the effects of dust, exhaust and noise on health?

Dust: chest diseases, eye diseases.

Exhaust: chest diseases, allergy, asthma, cancer.

Noise: reduced hearing, lack of sleep, fatigue, psychiatric problems.

One respondent referred to possible harmful effects of amplifying antennae for mobile phones, although not addressed by the question.

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B-6. Are there are any health problems, not adequately dealt with by the health care system?

Health care services are limited. The concept of health care system was not grasped by many respondents, so they responded that "it does not exist in the area".

B-7. What can be done to control mentioned health problems?

- Encouraging businessmen and rich people to donate for health.
- Paving roads and reducing unemployment (since dust and unemployment are risk factors for health).
- Health education community programs
- Using new (more safe) technology in factories and refineries.
- Recycling garbage through modern equipment.

B-8. What are the reproductive health problems in the area (with emphasis on sexually transmitted diseases)?

Most interviewees were reluctant to elaborate on this issue. Few mentioned early marriage and infertility.

There were few non-specific references to improper sexual conduct and related health problems

C. Health Care Services:

C-1. From where do different socioeconomic population groups get health care (rich – poor – insured – uninsured)?

The rich go to private hospitals. The poor go to dispensaries affiliated to mosques or Khosos governmental hospital. Other respondents mentioned: Matareia Teaching Hospital, private clinics (offices), Sayed Galal (Azhar University) Hospital, governmental health insurance clinics,

The respondent from the lay down area mentioned Bahtim Hospital and Nile Hospital (a governmental health insurance hospital at Shubra El-Khaima).

C-2 Are provided services adequate to meet community health care needs?

Services are mostly inadequate.

C-3. If the poor are unable obtain the required health services from governmental providers where do they go?

Mosque affiliated dispensaries or general practice private clinics.

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C-4. What are the obstacles hindering health care providers from effective performance?

- Inadequate resources.
- Low levels of community health awareness and knowledge.
- The area receives little public attention (in the words of one of the interviewees: "The area is not on the map from the beginning.")
- High population density.

C-5. What is the extent of health insurance coverage in the area?

- Mostly for regular employees (usually governmental), which is the exception rather than the rule in both communities (Northern and Southern), most are craftsmen practicing on their own.
- Petroleum refinery workers have got an adequate health care system.
- The problem with governmental health insurance is not only one of coverage, but also of quality, services are grossly inadequate.
- It is noteworthy that none of the interviewees referred to school health insurance, although, by law, all school students are health insured.

C-6. What can be done to improve the quality of health care services in the area?

Building a well equipped large hospital and training of practicing physicians.

D. Role of NGOs in the area

D-1 Give examples for NGOs in the area and their services to the community.

Services rendered by NGOs are quite limited due to their limited resources. Their services are focused on the poor, orphans and widows. Sometimes they offer training opportunities on computer programs to young men and women.

D-2 What is the role of the private sector in the area?

The private sector is self – centered and did not contribute to community development. They have a potential role in alleviating unemployment, paving roads, environmental protection and building schools and hospitals.



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Key Informants Interview

North Plot – El Karatssa						
#	Questions	Answers				KI 4
		KI 1	KI 2	KI 3		
General Health Status						
1	What is the current general health status of this community?	Average	Bad	Bad and unsatisfactory	Below average	
2	What are the most common jobs/activities that residences practice?	Governmental employment, Hand crafts men	Hand crafts men	Limited	Workers	
3	What is the level of population's culture awareness, and education....etc?	Few university, Mid level education	Average culture orientation, High literacy,	Few university, Mid level education	High schools are maximum	
4	Are you with or against establishing new industries in the area? What are positive/negative effects from your perspective?	With establishing new factories, provided safety to health & environment	With establishing new factories, provided safety to health & environment	With establishing new factories, provided safety to health & environment	Agree with new factories	
5	What are the prominent activities exerted by the officials to develop the area and community?	Nothing	Limited	Limited	Nothing	
6	Did the already existing industrials/factories in the area support the inhabitants and community? How? Specify giving examples..	Nothing at all	Nothing at all	Nothing at all	No	
Health Problems						
1	What are the most dominant health problems in	Liver, skin, chest	Liver, chest diseases	Liver, asthma	Viral Hepatitis and Chest	



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North Plot – El Karatssa				
#	Questions	Answers		
		KI 1	KI 2	KI 3
	the area? Specify.	diseases, bronchial asthma		KI 4 Diseases
2	Are the already existing industries in the area (as petrol Refining Company, Glass Company, and clay Pottery Company) have a reported/announced influence on health problems?	Has effect due to flame	No effect	Smoke and flame Yes, but burning of waste products give more pollution
3	Is there any reported/announced source of pollution in the area? If yes, specify.....; (Focus on water sources, drain water, foundries, and pig farms)	Garbage, sewage, polluted water	Garbage burning, cars, sewage	Sewage, Waste products, rubbish,
4	Does the agricultural environment have a beneficial/adverse effect on health? How?	agricultures land become very limited	No effect, Agricultures land become very limited	It has no effect as it became very small
5	From your point of view, What is the effect of dust, exhaust and noise on health	Dust & exhaust cause Chest diseases and asthma for children.	Has bad effect on children	Dusts affect children
6	Is there any existing health problem where the health care delivery system is incapable of dealing with?	Resources are very limited	Yes, because health services is very limited.	There is no health system here
7	In your opinion, what could be done and/or what resources would be needed to address the problems that you have just described/specified?	Improve health services.	Establishing hospital or polyclinic, pave roads, employment.	Building a hospital or polyclinic
8	What are the major reproductive health problems in the area concerning both genders	Present according to socioeconomic status	No problems.	All problems are here

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North Plot – El Karatssa			
#	Questions	Answers	
		KI 1	KI 2
	(males & females) Special emphasis on STD's...and Hepatitis C.	KI 1	KI 2
			KI 3
			KI 4
Health Care Services			
1	Where do the different socioeconomic groups seek health care (normal level, moderate level, poor, non-insured, insured, others)?	Public health centre, and some private clinics	Some to health insurance, others to medical centre and private clinics.
2	What is the general mix of available health care services in the area? Do you think that these sectors are able and effective enough to meet the people needs?	Medical center provide all services, but resources	No health services because no resources.
3	The poor, can access governmental clinics, and if not available, from where they can get their needed health service?	Mataria hospital or private polyclinics.	From private polyclinic, but limited.
4	Which obvious barriers prevent health providers to be more effective in the area?	The area is very big and only the medical centre.	No resources, increase population.
5	What is the status of health insurance coverage in the area, (if applicable)?	Applicable, but the providers are not present.	Only for Government employee, others have no insurance.
6	Based on your experience in the area, what can be done to improve the quality of the health services provided in the area and to improve health status of people residing in this area?	We do what we can	Establishing polyclinic or hospital
			There is medical centre in Khosos or private with 3 LE fees
			Services are limited
			El Nor El mohamady, private clinic& polyclinic.
			The area is away
			Only for Government employee, others have no insurance.
			Establishing polyclinic, dealing with unemployment
			Build a hospital or polyclinic
			Limited, we should buy all medicine and syringes for the hosp.
			El-Anwar El-Mohamadia Hosp.
			There is no service provider here
			N/A
			El-Matarya Hosp. or Sayed Galal Hosp



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North Plot – El Karatssa				
#	Questions	Answers		
		KI 1	KI 2	KI 3
Role of Private Sectors and NGOs				
1	Is there any NGO serving the communities? What are the services they can afford to the community? Specify the NGO(s) and give examples of its/their services.....	NGO's present but does not provide services.	No	NGO's present but does not provide services.
2	How important is the private sector role in the area?	Could be has effective population.	Has a great role in employment and establish hospital.	Could be has effective role to serve population.
3	Who uses the private (including NGO) health care services among those segments (normal level, moderate level, poor, non-insured, insured, and other)?	The medical centre does not provide any services.	There is private clinic with 3 LE fees, otherwise go to Demerdas or Sayed Galal hospital	All people but no treatment available in the public medical centre, the patient pays the cost.
				Yes but with poor resources
				Very important
				Rare people who can pay



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North Plot – Naguib					
Questions		Answers			
		KI 1	KI 2	KI 3	
KI 4					
General Health Status					
1	What is the current general Health status of this community?	Very weak	Very weak	Very weak	weak
2	What are the most common jobs/activities that residences practice?	Wage earner	Wage earner, few Gov. employees	Wage earner, few Gov. employees	Wage earner, unemployment
3	What is the level of population's culture awareness, and education....etc?	All are ignores	Secondary schools	Secondary schools	Secondary schools
4	Are you with or against establishing new industries in the area? What are positive/negative effects from your perspective?	Yes without bad effects	Yes if it helps us	Agree if they help people	Agree if they help people
5	What are the prominent activities exerted by the officials to develop the area and community?	Nothing	Nothing	Limited	Help people and give them social services
6	Did the already existing industrial/factories in the area support the inhabitants and community? How? Specify giving examples.	No	No	No	No
Health Problems					
1	What are the most dominant health problems in the area? Specify.	Hearing disorders	Diabetes, hypertension and hearing disorders	Gastroenteritis and chest diseases	Gastroenteritis and acute bronchitis



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North Plot – Naguib				
	Questions	Answers		
		KI 1	KI 2	KI 3
		KI 1	KI 2	KI 3
2	Are the already existing industries in the area (as petrol Refining Company, Glass Company, and clay Pottery Company) have a reported/announced influence on health problems?	No	No effects	Yes
3	Is there any reported/announced source of pollution in the area? If yes, specify,; (Focus on water sources, drain water, foundries, and pig farms)	Water	No	No
4	Does the agricultural environment have a beneficial/adverse effect on health? How?	No	No	No
5	From your point of view, What is the effect of dust, exhaust and noise on health	Hearing disorders	Hearing disorders	Chest diseases and hearing disorders
6	Are there any existing health problems where the health care delivery system is incapable of dealing with?	No health services	There is no health system here	Severe shortage in health facilities
7	In your opinion, what could be done and/or what resources would be needed to address the problems that you have just described/specified?	The situation is very bad	Business men should pay more to support community	Business men should pay more to support community men
8	What are the major reproductive health problems in the area concerning both genders (males & females) (Special emphasis on STD's....and Hepatitis C.	No	No	No



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North Plot – Naguib					
Questions			Answers		
KI 1			KI 2		KI 4
Health Care Services					
1	Where do the different socioeconomic groups seek health care (normal level, moderate level, poor, non-insured, insured, others)?	NGOs and Mosques polyclinics	Rich people go to private clinics, poor to polyclinics	Rich people go to private clinics, poor to polyclinics	Rich people go to private clinics, poor to polyclinics
2	What is the general mix of available health care services in the area? Do you think that these sectors are able and effective enough to meet the people needs?	low medical services	Very limited services	Inadequate medical services	Very limited services
3	The poor can access medical services from the public hospitals. And if not available, from where they can get their needed health service?	Polyclinics of Mosques	Polyclinics of NGOs and Mosques	Polyclinics of NGOs and Mosques	Polyclinics of NGOs and Mosques
4	Which obvious barriers prevent the health providers to be more effective in the area?	No recourses	No money	Inadequate resources	No recourses
5	What is the status of health insurance coverage in the area, (if applicable)?	N/A		For employees only	For employees only
6	Based on your experience in the area, what can be done to improve the quality of the health services provided in the area, in the area and to improve health status of people residing in this area?	Big hospital and physicians	Big hospital, physicians and health centres	Building a big hospital and health promotion	Building a big health centre and health promotion



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North Plot – Naguib				
Questions		Answers		
		KI 1	KI 2	KI 3
Role of Private Sectors and NGOs				
1	Is there any NGO serving the communities? What are the services they can afford to the community? Specify the NGO(s) and give examples of its/their services.....	Limited	Limited	Limited
2	How important is the private sector role in the area?	No	No	No
3	Who uses the private (including NGO) health care services among those segments (normal level, moderate level, poor, non-insured, insured, and other)?	Poor people	Poor people	All people
				Yes but limited role



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South Plot – Arab El Hessn							
#	Questions	Answers				KI 6	
		KI 1	KI 2	KI 3	KI 4		KI 5
General Health Status							
1	What is the current general health status of this community?	Bad health status due to poverty	Unavailable health facilities	Very Bad	40% good % 60% bad	Very bad	Bad because of the environmental pollution, unemployment/ drug abuse
2	What are the most common jobs/activities that residences practice?	Garbage collector, shop owner, Labourer	Unemployment, Governmental employment, wage earner	Craft men – Garbage Collector- Wood burning (charcoal)	25% employees - Craft men – Garbage Collector	Employees 20% , Craft men	Craft men – Garbage Collector
3	What is the level of population's culture awareness, and education....etc?	Low	Few university, Mid level education	Average and below average	Week, due to absence of schools at the area.	The culture awareness is poor	Education is poor because of poverty
4	Are you with or against establishing new industries in the area? What are positive/negative effects from your perspective?	With establishing new factories, provided safety to health & environment	With establishing new factories, provided safety to health & environment	With establishing new industries to serve the community without pollution	With if there will be job opportunities and against if it will cause diseases	With, if improves the socio-economic level. Against if affects the environment	With as this will provide job opportunities and against if it will affect the environment
5	What are the prominent activities exerted by the officials to develop the area and community?	Nothing	Limited ,only in disasters	They provide what they can do, but the area needs more	There are no activities	There is no activities	Unclear and unlimited role. Only few contribution in solving people's problems
6	Did the already existing industrials/factories in the area	Nothing at all	Nothing at all	No	No	They did not provide any	They did not provide any services for the



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South Plot – Arab El Hessn										
#	Questions	Answers				area				
		KI 1	KI 2	KI 3	KI 4		KI 5	KI 6		
General Health Status										
	support the inhabitants and community? How? Specify giving examples.									
Health Problems										
1	What are the most dominant health problems in the area? Specify.	Chest diseases	Chest, eye diseases	Liver, respiratory and skin diseases	Respiratory diseases, hearing problems, Hypertension, Diabetes, Vision weakness	Chest and eye diseases	Chest diseases and Gastro-enteritis			
2	Are the already existing industries in the area (as petrol Refining Company, Glass Company, and clay Pottery Company) have a reported/announced influence on health problems?	Bad effect, affect chest due to exhaust	Bad effect, affect chest due to exhaust	No. It may be very limited	The flam and the noise all have negative impact	The flam and the noise all have negative impact on the general health	The flam leads to asthma and affect the hearing			
3	Is there any reported/announced source of pollution in the area? If yes, specify.....; (Focus on water sources, drain water, foundries, and pig farms)	Garbage, Pig farms, sewage, wood burning (charcoal),& dust	Petroleum industries, dust, demolition debris construction, Garbage, sewage, pig farms.&	Garbage burning, dust, smelting , there is no sanitary sewage disposal	Garbage, charcoal and animal barns	Garbage, charcoal and pig barns	Smelting, Garbage, charcoal and pig barns			



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**ESIA FOR THE HYDRO-CRACKING COMPLEX AT MOSTOROD
SOCIAL APPENDICES**

South Plot – Arab El Hessn							
#	Questions	Answers					
		KI 1	KI 2	KI 3	KI 4	KI 5	KI 6
General Health Status							
4	Does the agricultural environment have a beneficial/adverse effect on health? How?	Negative effect due to animal farms, also irrigation cause spread of insects	Has bad effect due to the sheep feed on garbage	No, because it is very small	Agriculture used underground water, there are many mosquitoes	There is a slum buildings, as the farmers stop agriculture	The agriculture environment decreases as there is a slum buildings
5	From your point of view, What is the effect of dust, exhaust and noise on health	Chest disease , noises affect hearing	Chest disease , noises affect hearing & tumours	They cause diseases for adults and children	These will affect the hearing and cause insomnia	Dyspnoea, hearing loss and insomnia	Chest, eye and ear disease
6	Is there any existing health problem where the health care delivery system is incapable of dealing with?	Only Matria hospital which can not deal with all cases	No health system, only Matria hospital deal with emergency	No, and they need more support as there is a lake of services in the area	There is no health care system in the area	There is no health care system in the area	There is no health care system in the area
7	In your opinion, what could be done and/or what resources would be needed to address the problems that you have just described/specified?	This research is the start to identify the needs and support the community.	Participation of business men & private sector is essential.	Funds to build a hospital and school and to support people	Contributions of the businessmen	Contributions of the businessmen and the private sector in establishing health centres, and improve the health awareness	Use of high technology to reduce the pollution. Establishment of health centre.



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SOCIAL APPENDICES**

South Plot – Arab El Hessn							
#	Questions	Answers					
		KI 1	KI 2	KI 3	KI 4	KI 5	KI 6
General Health Status							
8	What are the major reproductive health problems in the area concerning both genders (males & females) Special emphasis on STD's...and Hepatitis C.	Not allowed to talk about this, because of traditions	No problems in this issues	Of course, there are problems	There are some early delivery cases, There is no STD	There is no STD, only some early delivery cases	There is no STD
Health Care Services							
1	Where do the different socioeconomic groups seek health care (normal level, moderate level, poor, non-insured, insured, others)?	Matraia hospital, NGO's clinics	Poor through governmental. High income through private sector.	To Mataria hospital or Al-Nour Mohamady	The rich people go to the private sector and the poor to El-Matareya Hospital or to the NGOs	The rich people go to the private hospitals/ Heliopolis Hospital, The poor will go to the NGO's clinics	The rich people go to the private sector and the poor to El-Matareya Hospital or to the NGOs
2	What is the general mix of available health care services in the area? Do you think that these sectors are able and effective enough to meet the people needs?	Private clinics depend upon popularity of the physician.	Governmental sector is not available, only NGO's in Massala (Mataria).	Very limited services and is not enough for the population needs	There are no public health services. The only available is Anwar Al-Maghfera NGO	The public health sector is not available, the NGO's clinics are under resourced	The public services are weak and is not enough for the people's needs
3	The poor, can access governmental clinics, and if not available, from where they can get their needed health service?	Polyclinic, private clinics	Governmental sector is not available, poor through NGO's & in emergency to Mataria	Al-Nour Mohamady Hospital	There is no public clinics, The poor will go to the NGO's clinics	They will go to the NGO's clinics e.g. Anwar Al-Maghfera	Al-Nour Mohamady centre



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SOCIAL APPENDICES**

South Plot – Arab El Hessn							
#	Questions	Answers					
		KI 1	KI 2	KI 3	KI 4	KI 5	KI 6
General Health Status							
4	Which obvious barriers prevent health providers to be more effective in the area?	No Governmental hospital, private clinics are not equipped	No health providers are available in the area.	Difficult access to the population in the area	Insufficient resources	There is no health care providers	There is no health care providers in the area
5	What is the status of health insurance coverage in the area, (if applicable)?	Not applicable, but employee of industries has insurance	Insurance only for Governmental employee, for others no except immunization.	Not applicable	There is no health insurance except for the employees	Only for employees	The health insurance is for the employees only, the Craft men do not have
6	Based on your experience in the area, what can be done to improve the quality of the health services provided in the area and to improve health status of people residing in this area?	Polyclinic centre, train the physicians	Establishing polyclinic centre.	Improve the health services and to build a health centre, but where?	Sanitary sewage disposal, lightning the street, establishment of a hospital or a health centre, and schools for children	Establishment of health centres and improve the health awareness	Increase health awareness, training of physicians, Establishment of a health Centre, Fight illiteracy & establishment of schools
			There are, but with limited support to the poor	There is only one: Lekaa Al-Agjal, it is new and its services is not clear yet		They are few in number, and have no active role, they look for money	

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**ESIA FOR THE HYDRO-CRACKING COMPLEX AT MOSTOROD
SOCIAL APPENDICES**

South Plot – Arab El Hessn							
#	Questions	Answers					
		KI 1	KI 2	KI 3	KI 4	KI 5	KI 6
General Health Status							
Role of Private Sectors and NGOs							
1	Is there any NGO serving the communities? What are the services they can afford to the community? Specify the NGO(s) and give examples of its/their services.....	Few, serve poor	5 NGO's Limited resources Support poor & widows., opportunities on computer program	Big role in supporting the people, build health facilities/ pave roads, improve social status by providing job opportunities	There is no role for the private sector, it should contribute in the community development	The private sector did not provide any services, They should work on the community development	There is no role, but they should contribute in the community development, fight unemployment and provide social services
2	How important is the private sector role in the area?	Role of private sector is limited, business men are away from the area, Industries does not serve	No participation of private sector at all, this concept is not available	All people as there is no medication at he public hospital (Matareia Hospital)	The poor	The poor	The poor
3	Who uses the private (including NGO) health care services among those segments (normal level, moderate level, poor, non-insured, insured, and other)?	Poor	Poor	Very Bad	40% good % 60% bad	Very bad	Bad because of the environmental pollution, unemployment/ drug abuse

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SOCIAL APPENDICES

South Plot – Ezbet Atef						
#	Questions	Answers				
		KI 1	KI 2	KI 3	KI 4	KI 5
General Health Status						
1	What is the current general health status of this community?	Unsatisfactory	Ask health professionals	Less than average	Very bad	Very bad due to poverty, unemployment
2	What are the most common jobs/activities that residences practice?	Hand crafts men, Foundries, Garbage collector	Hand crafts men, Blacksmith, Garbage collector	Hand crafts men, Garbage collector	Governmental employment, wage earner, Hand crafts men	Governmental employment, wage earner,
3	What is the level of population's culture awareness, and education....etc?	High literacy, Mid level education	Average culture orientation, High literacy,	Less average	Low culture orientation, low education	Average culture orientation, low education
4	Are you with or against establishing new industries in the area? What are positive/negative effects from your perspective?	With establishing new factories, provided safety to health & environment	With establishing new factories, provided safety to health & environment	With establishing new factories, provided safety to health & environment	With establishing new factories, provided safety to health & environment	With establishing new factories, provided safety to health & environment
5	What are the prominent activities exerted by the officials to develop the area and community?	Limited	Nothing	Away from their interest	Nothing	Limited ,only in immunization
6	Did the already existing industrials/factories in the area support the inhabitants and community? How? Specify giving examples.	Nothing at all	Nothing at all	Nothing at all	Nothing at all	Nothing at all



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**ESIA FOR THE HYDRO-CRACKING COMPLEX AT MOSTOROD
SOCIAL APPENDICES**

South Plot – Ezbet Atef						
#	Questions	Answers				
		KI 1	KI 2	KI 3	KI 4	KI 5
Health Problems						
1	What are the most dominant health problems in the area? Specify.	Skin, liver, chest diseases	pollution	Liver, skin diseases, bronchial asthma, water pollution	Chest diseases	Diabetes, hypertension, Renal, failure, Bilharzias
2	Are the already existing industries in the area (as petrol Refining Company, Glass Company, and clay Pottery Company) have a reported/announced influence on health problems?	Has effect, but also Garbage, smelting burning smoke has effect,	No effect, except flame	Has effect	Bad effect, affect chest due to exhaust and affect agriculture farms	Bad smell when flame off & affect agriculture farms.
3	Is there any reported/announced source of pollution in the area? If yes, specify; (Focus on water sources, drain water, foundries, and pig farms)	Garbage, foundries, charcoal, dust	No sewage system & clean water	Sure, foundries, garbage, charcoal, industries, sewage drainage, dust & smoke of burning.	Charcoal, flame, garbage burning, dust, noises	Garbage, Flame, & foundries
4	Does the agricultural environment have a beneficial/adverse effect on health? How?	No, limited agriculture area	No effect	No effect	No effect	No effect
5	From your point of view, What is the effect of dust, exhaust and noise on health	Cause diseases, for children	Smoke and mobile centers cause tumours	Chest diseases, & affect hearing	Dust 7 exhaust affect chest ,allergy, asthma, lack of sleep	Chest diseases
6	Is there any existing health problem where the health care delivery system is incapable of dealing with?	Many, and there is no health facilities	No answers	Yes, no access to services.	No health system	No health system



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South Plot – Ezbet Atef						
#	Questions	Answers				
		KI 1	KI 2	KI 3	KI 4	KI 5
7	In your opinion, what could be done and/or what resources would be needed to address the problems that you have just described/specified?	Establishing school and polyclinic	Change all officials	Improve socioeconomic status and improve sewage and water supply.	Boxes for garbage, polycliniques, & insecticide	Dealing with garbage, & paving roads.
8	What are the major reproductive health problems in the area concerning both genders (males & females) Special emphasis on STD's...and Hepatitis C.	All problems are available	No problems.	All health problems are present including reproductive health.	Low birth rate due to poverty	Low birth rate due to poverty
Health Care Services						
1	Where do the different socioeconomic groups seek health care (normal level, moderate level, poor, non-insured, insured, others)?	EI Nor EI Mohamady Hospital, Matarria	Only Matarria hospital, Sayed Galal, & Nor Mohamdy in Matarria	Matarria hospital Or EI Nor EI mohamady	Rich people through private. Poor through NGO's	Poor has no access. Rich through private sector
2	What is the general mix of available health care services in the area? Do you think that these sectors are able and effective enough to meet the people needs?	Services are very limited, not coping with community needs	Does not cope with the needs.	Very unsatisfactory services.	Lack of equipment, can't cope with needs.	Governmental sector is not available, only NGO's with limited resources.
3	The poor, can access governmental clinics, and if not available, from where they can get their needed health service?	Polyclinic, private clinics	No place for them to go	EI Nor EI mohamady, private clinic & polyclinic.	Polyclinics in NGO's	Polyclinics in NGO's
4	Which obvious barriers prevent health providers to be more effective in the area?	The area is not in the map	Change all officials	Scarce resources	No public hospitals & private sector not equipped.	No health providers are available in the area.
5	What is the status of health insurance coverage in the area, (if applicable)?	Not applicable	Not applicable	Not applicable	No health insurance, only immunization.	Not applicable



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South Plot – Ezbet Atef						
#	Questions	Answers				
		KI 1	KI 2	KI 3	KI 4	KI 5
6	Based on your experience in the area, what can be done to improve the quality of the health services provided in the area and to improve health status of people residing in this area?	Support the area by school, hospital to serve the population	Establishing polyclinic, dealing with garbage & unemployment.	Preplanning area, sewage drain system, and establishing polyclinic centre.	Establishing polyclinic centre, with equipment.	Establishing polyclinic centre, with equipment.
Role of Private Sectors and NGOs						
1	Is there any NGO serving the communities? What are the services they can afford to the community? Specify the NGO(s) and give examples of its/their services.....	There is NGO's but the recourses are weak & help the poor	4 NGO's Support poor, orphans and provide food during Ramadan month	Present, but has no resources.	5 NGO's Limited resources Support poor& widows.	Laqa ElAgaal could be serve the community
2	How important is the private sector role in the area?	The role is great to support infrastructure, employment, school& hospital	Has a great role	Can help Government and establish projects to serve community.	No participation of private sector at all	No participation of private sector at all
3	Who uses the private (including NGO) health care services among those segments (normal level, moderate level, poor, non-insured, insured, and other)?	All levels, services in Governmental hospital is bad	Very limited	Only rich use private sector, poor can't afford cost.	Poor & not insured.	Poor



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Laydown Area	
#	Questions
Answers	
KI 1	
General Health Status	
1	What is the current general Health status of this community?
	The health status is good
2	What are the most common jobs/activities that residences practice?
	Craft men and employees
3	What is the level of population's culture awareness, and education....etc?
	There is high education and literacy percentage is few
4	Are you with or against establishing new industries in the area? What are positive/negative effects from your perspective?
	With establishment of new industries to serve the area
5	What are the prominent activities exerted by the officials to develop the area and community?
	There is no activities
6	Did the already existing industrial/factories in the area support the inhabitants and community? How? Specify giving examples.
	No
Health Problems	
1	What are the most dominant health problems in the area? Specify.
	Pollution from the factories, smoke and chest diseases
2	Are the already existing industries in the area (as petrol Refining Company, Glass Company, and clay Pottery Company) have a reported/announced influence on health problems?
	There is pollution from the flam
3	Is there any reported/announced source of pollution in the area? If yes, specify.....: (Focus on water sources, drain water, foundries, and pig farms)
	The factories, there is no sanitary sewage disposal, water, Garbage burning,
4	Does the agricultural environment have a beneficial/adverse effect on health? How?
	The people build on the agriculture area, and now it became limited



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Laydown Area	
#	Questions
Answers	
KI 1	
5	From your point of view, What is the effect of dust, exhaust and noise on health
6	Are there any existing health problems where the health care delivery system is incapable of dealing with?
7	In your opinion, what could be done and/or what resources would be needed to address the problems that you have just described/specified?
8	What are the major reproductive health problems in the area concerning both genders (males & females) (Special emphasis on STD's...and Hepatitis C.
Health Care Services	
1	Where do the different socioeconomic groups seek health care (normal level, moderate level, poor, non-insured, insured, others)?
2	What is the general mix of available health care services in the area? Do you think that these sectors are able and effective enough to meet the people needs?
3	The poor can access medical services from the public hospitals. And if not available, from where they can get their needed health service?
4	Which obvious barriers prevent the health providers to be more effective in the area?
5	What is the status of health insurance coverage in the area, (if applicable)?
6	Based on your experience in the area, what can be done to improve the quality of the health services provided in the area, in the area and to improve health status of people residing in this area?
	it cause diseases for children, there is little noise
	There is no health care services in the area, except in Bahtim, about 0.5 Km
	The new factories will help in building hospitals and paving roads
	I do not know
	Bahtim hospital and Nile hospital
	The services are limited and the people needs a lot
	The private clinics, even they are very poor
	Limited resources and the area is increasing
	It is only for the employees, but with limited services
	Building a hospital, paving and lightning the roads, removal of garbage



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Laydown Area	
#	Questions
Answers	
KI 1	
Role of Private Sectors and NGOs	
1	Is there any NGO serving the communities? What are the services they can afford to the community? Specify the NGO(s) and give examples of its/their services.....
2	How important is the private sector role in the area?
3	Who uses the private (including NGO) health care services among those segments (normal level, moderate level, poor, non-insured, insured, and other)?
	They are present but they services are very limited to support the poor
	There is no role, even it is very important to support people
	All levels except the poor

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Key Informant Interviews Guide

A- Introduce yourself and the co-researcher (recorder) *“Al Salamu Alikom (Hello), we are (names) working for ERC project.....”*

B- Reiterate the purpose of the visit. *“Please let me re-clarify why I’m here today? (Some sort of rapid review of the written summary on ERC Project).*

C- Outline the interview specifying the time and use of tape recording. Stress on confidentiality. Gain consent. *“Interviews usually take about 30-60 minutes (based on the position, availability, relevancy & richness of the experience of the Key Informant(s)) I’d like to use a tape recorder.... Is that ok?”*

D- Activate Tape Recorder

E- Key Informant Interview Questions:

General Overview

7. What is the current general status of the community in this area?
8. What are the most common jobs/activities/professions/occupations that residents practice?
9. What is the level of the population's culture, awareness, and education, etc?
10. Are you with or against establishing new industries/factories in the area? What are positive/negative effects from your perspective?
11. What are the prominent activities exerted by the officials to develop the area and the community?
12. Do the already existing industries/factories in the area support the inhabitants/population and the surrounding community? How? Specify giving examples.

Health Problems

10. What are the most dominant/prevaling health problems in the area? Specify
11. Are the already existing industries/factories in the area (as petrol Refining Company, Glass Company, and Clay Pottery Company) having a reported/announced reverse/negative influence on the population health status?
12. Is there any reported/announced source of pollution in the area? If yes, specify.....; (Focus on water sources, drain water, foundries, and pigs, or other)
13. Does the agricultural environment have a beneficial/adverse effect on the community health status?
14. Does the dust, exhaust, noise have an adverse effect on the population health status? What is the effect?
15. Are there any prevalent signs of potential hearing loss, fatigue and/or mental disturbance among the community?
16. Is there any existing health problem where the health care delivery system is incapable of dealing with?

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17. In your opinion, what could be done and/or what resources would be needed to address the problems that you have just described/specified?
18. What are the major reproductive health problems in the area concerning both genders (males & females) (Special emphasis on STD's...and Hepatitis C) (What about the reported cases).

Health Care Services

8. Where do the different socioeconomic groups seek health care (normal level, moderate level, poor, non-insured, insured, others)?
9. What are the available health care services in the area?
10. As you mentioned, health care services are provided in the area by several health sectors ... Do you think that these sectors are capable of meeting the community needs?
11. For the poor, can they access governmental clinics, and if this is not the case, from where can they get their needed health service?
12. Which obvious barriers/obstacles exist for health care providers to be more effective in the area?
13. What is the status of health insurance coverage in the area, (if applicable)?
14. Based on your experience in the area, what can be done to improve the quality of the health care services provided in the area and to improve the health status of the population residing in this area?

Private and NGO Sector Roles

4. Is there any NGO serving the community? What are the services that they can afford to the existing community? Specify the NGO(s) and give examples of these services.....
5. How important is the private sector role at the primary care level and hospital care level in the area?
6. Who uses the private health care services (including the NGOs) among those segments (normal level, moderate level, poor, non-insured, insured, and other)?

E. End interview

Thank the Key Informant for her/his time. Explain that a summary of the results will be forwarded to them when they are finalised and will be available to the public as well.

Ask the Key Informant if there is someone else s/he feels that her/his input would be of good help to be interviewed.....if feasible.

If appropriate, elicit the KI help in convening focus groups (if needed)