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Use of CAPI in surveys data collection SESRI experience

March 1, 2011

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Isam Abdelhameed Elmogiera Elawad



What is CAPI



Computer Assisted Personal Interviewing is a computer assisted data collection method for replacing paper-and-pen methods of survey data collection and usually conducted at the home or business of the respondent using a portable personal computer such as a notebook. As the technology advances to provide lighter computers with longer battery life and user friendly software, CAPI will be used more often, especially for quick turnaround surveys.



How SESRI benefits from CAPI social & Economic Survey Research Instit



Features

Known CAPI Issues	Solutions
Skip logic error	Automatic routing
Invalid responses	Automatic validity Checks
systematic question sequence effects	Question Randomization for every Respondent
question format effects	Options randomization
privacy	Respondent can enter response directly
interviewer control	Audit Trails
Interviewer Sample load	Workload formation and Randomization algorithm implementation in Blaise
Production Monitoring	Daily progress report.
Screens visibility and readability	Blaise layout capabilities and user interface controls

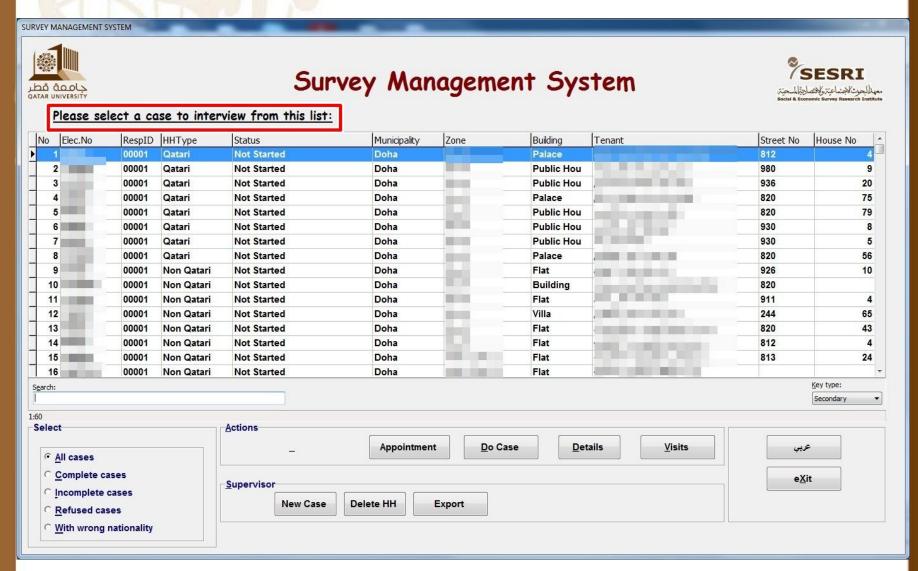




Known CAPI Issues	Solutions
Security	Data encryption and access authorization facilities
Response data delivery	Network communication and data packaging
Pre-field preparation	Automatic configuration and software installation
Nonverbal communication and harmony	Good training and use of laptop for routing and pay more attention to the social process

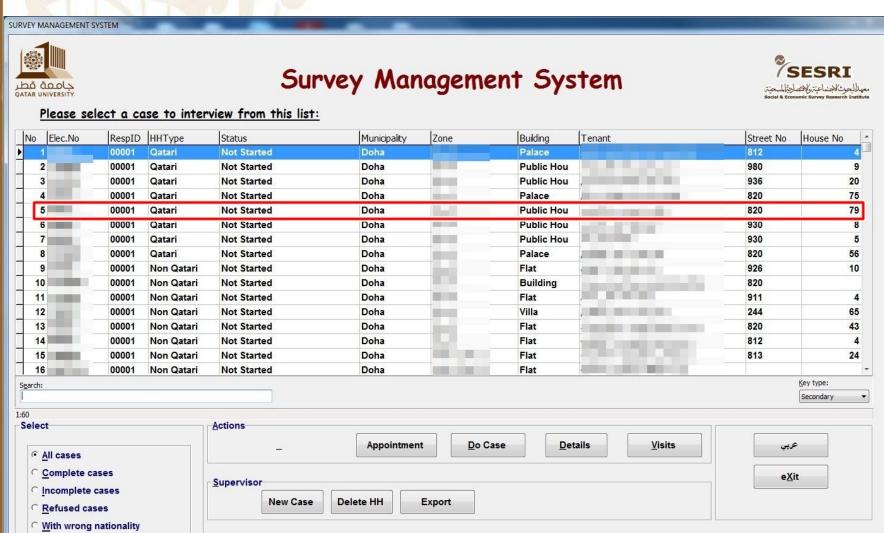






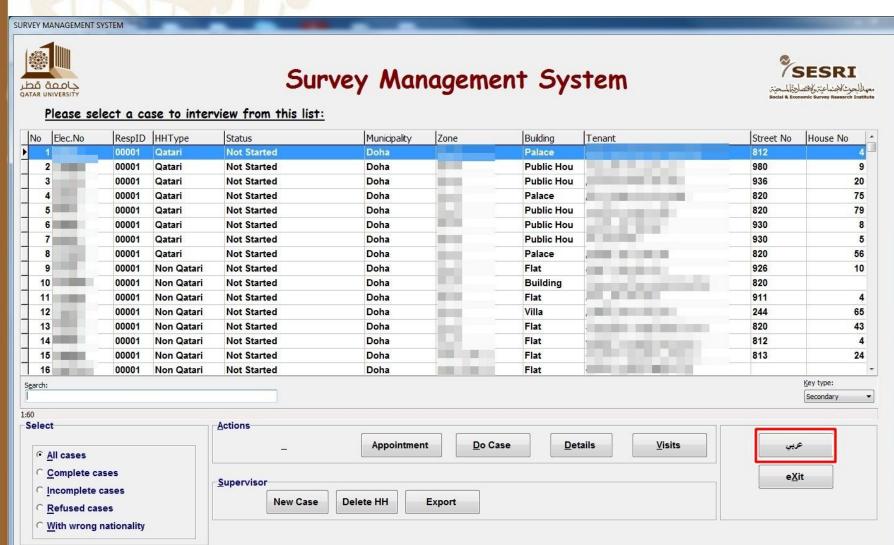






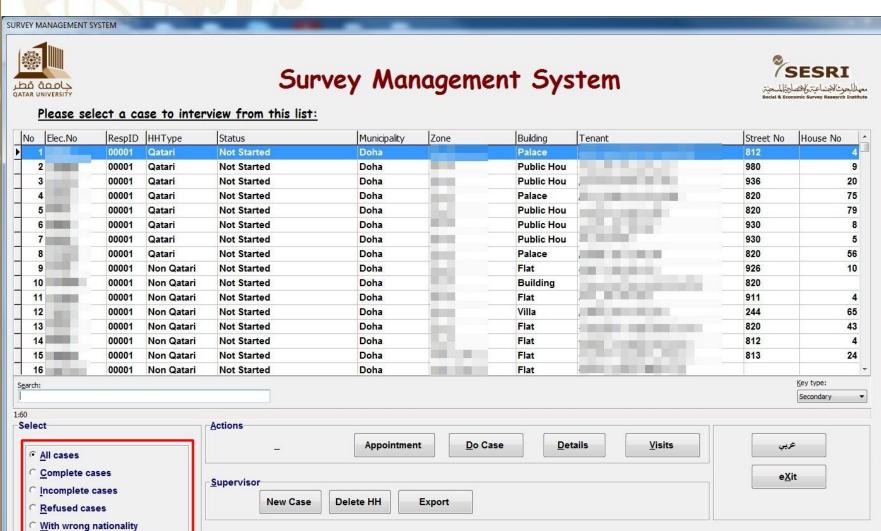






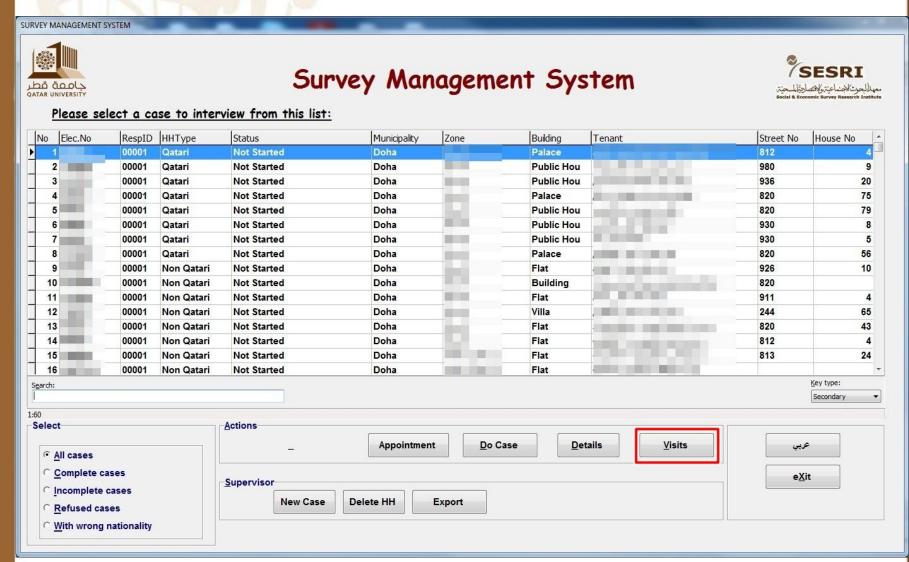






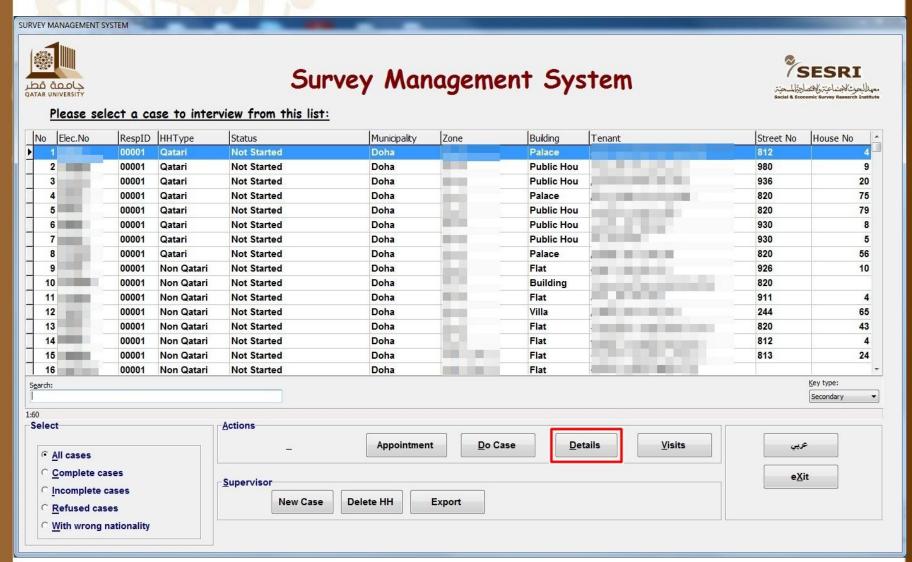






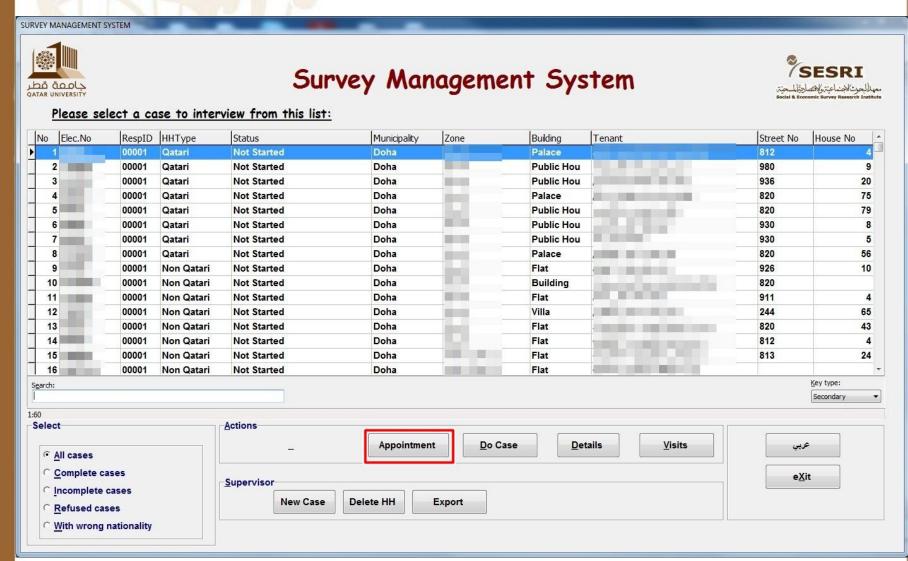






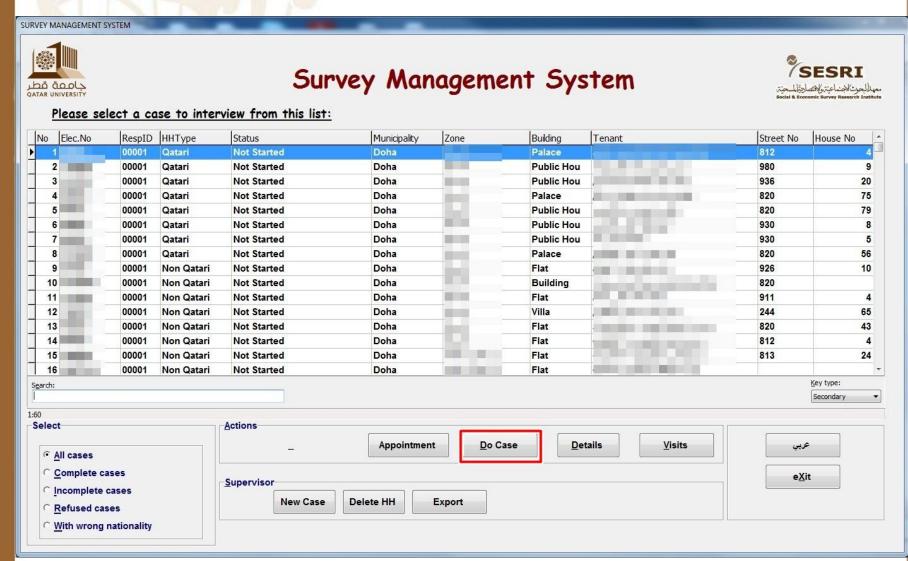














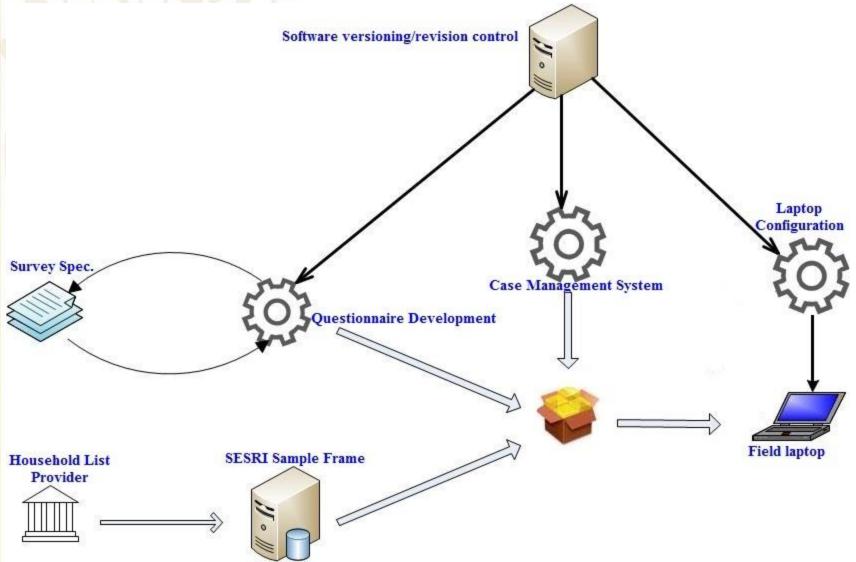


HOWLONG			
How long have you lived in Qatar?			
1. Less than six months	C 4. Two years but less than five years	7. Twenty years or more	
2. Six months to one year	5. Five years but less than 10 years	○ 8. All my life/I was born in Qatar	
3. One year but less than two years	6. Ten years but less than 20 years		
HOWLONG			
HOUSING			
HOUSINGa10			
RELIGION			
RELIGIONa5			
RELIGIOUS			
MARITAL			
SPOUSE			



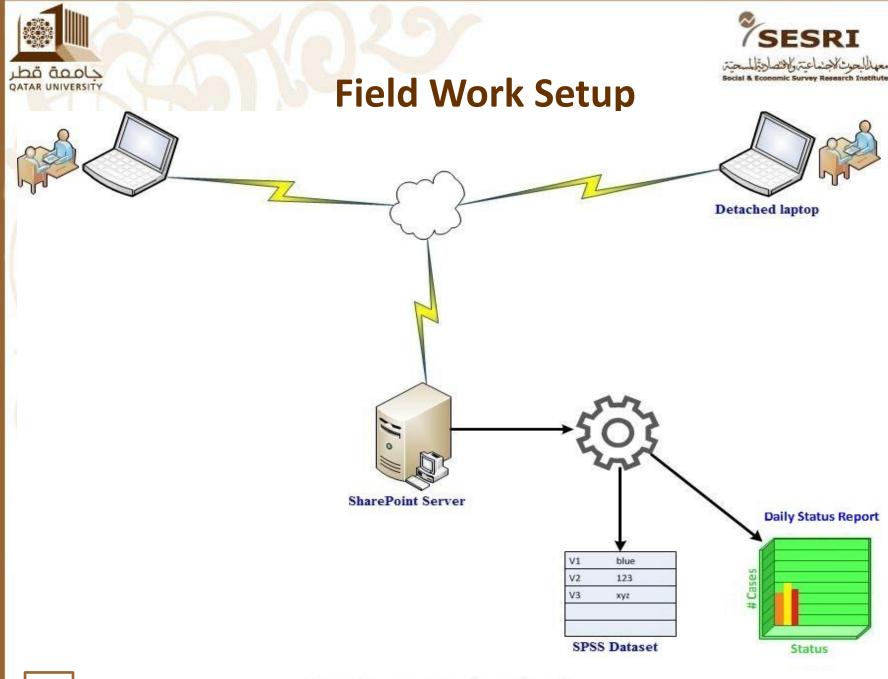


Pre-Field Activities

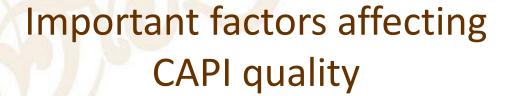


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We believe that the following factors have the most direct effect on the effectiveness for any CAPI System

- Use of light Weight devices with longer battery life.
- Well designed questionnaire with an easy and intuitive user interface.
- Well designed protocol for laptop synchronization.
- Experienced interviewers.





Field Management

- Social and cultural characteristics of the Qatari society
- The use of prior experience as an input into current surveys
- Communication & support during the field work
- Quality control procedures





Social and Cultural Characteristics of the Qatari society

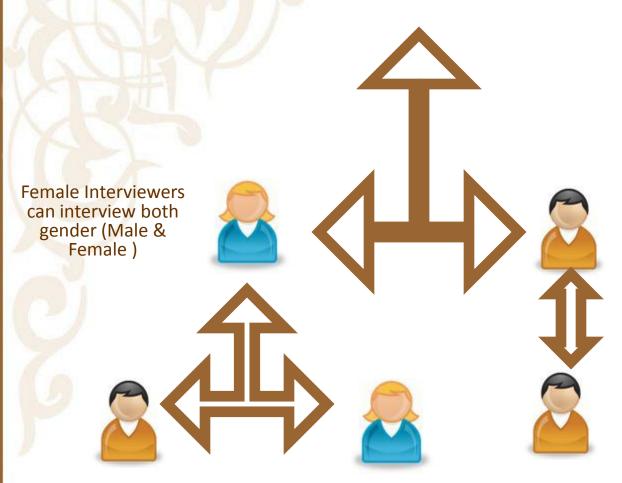
Visitors are always welcome by Qatari households regardless of the nature of the visit. However, the gender of the respondent can pose some challenges during the field work which has important implications in terms of:

- Interviewer selection and training
- The combination of gender in the team





Field Work Team



Male Interviewers can interview male respondents





The use of prior experience as an input into current surveys

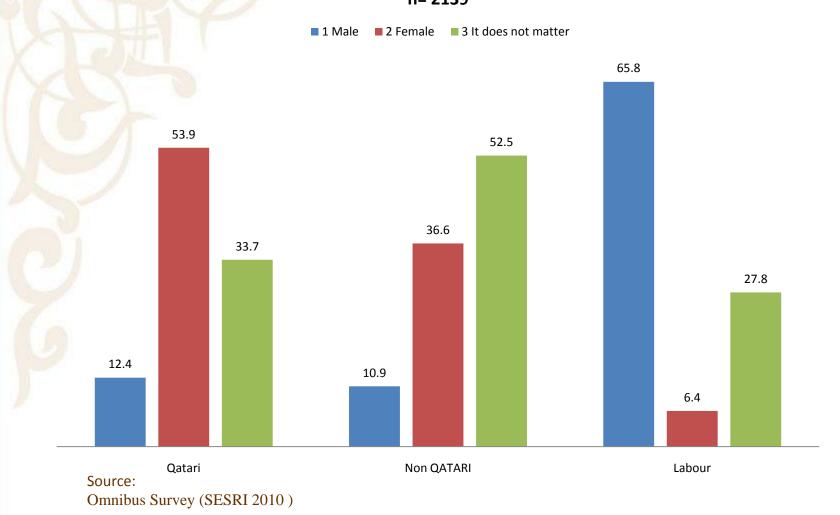
In order to improve the data collection method and to take into account the needs of the respondents, we always

- Make use of prior experience
- Get to know respondent preferences
- Review field plan





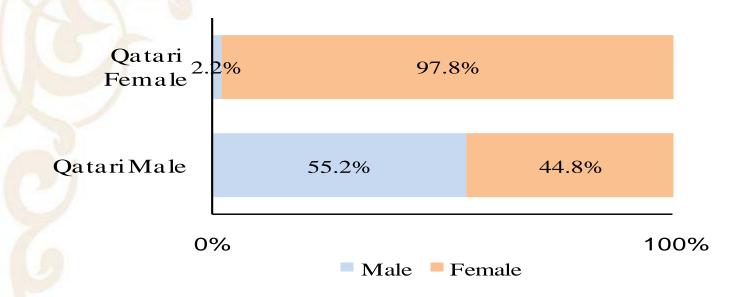
Preferred gender of the interviewer, Qatari , non Qatari , Labour n= 2139







Preferred gender of the interviewer, Qatari males and females n= 689



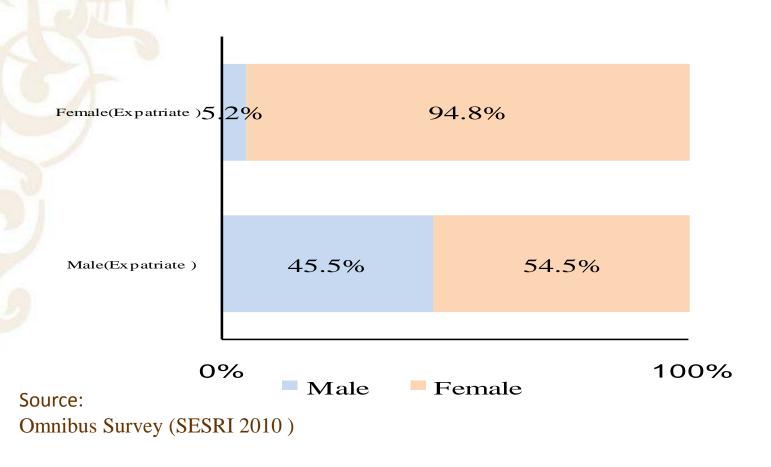
Source:

Omnibus Survey (SESRI 2010)





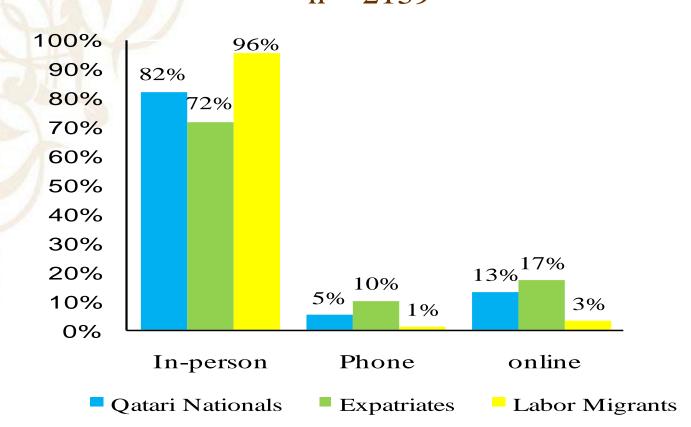
Preferred gender of the interviewer, Expatriate males and females n= 768







Mode of data collection preferences, n = 2139



Source:

Omnibus Survey (SESRI 2010)





Communication & Support During the Field Work

In order to improve communication between the field workers and the survey operation office, SESRI offers several channels:

http://www.qu.edu.qa/sesri

- Local centers
- Website
- •Fieldwork call center





Communication & support during the field work

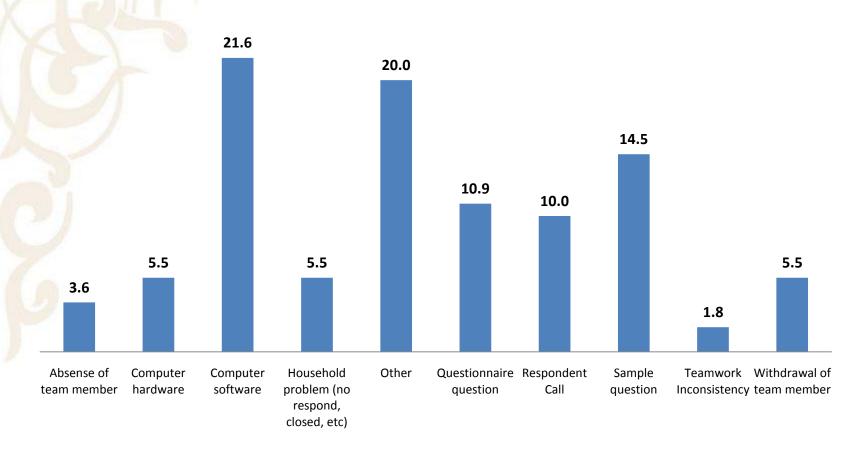
Call center information

Caller Name *	
Caller Tel.	
Project Name *	GCCSC2010 V
Problem Type *	<u> </u>
Problem Description	Computer software Computer hardware Delay of team member Absense of team member Withdrawal of team member Teamwork Inconsistency Transportation Questionnaire question
Priority	Selected respondent question Sample question
Status	Household problem (no respond, closed, etc) Respondent Call Other O In Progress Completed Deferred
Assigned To	(None)
Start Date	2/21/2011 1 PM V 00 V
Due Date	12 AM V 00 V
Comments	A AT B Z U 軍事 電 注 注 律 製 A 🐠 M TI





Type of Problems Work from home survey , 2011







Quality Control Procedures

SESRI has several methods to ensure survey quality:

- ·Household recall
- •Interviewer field follow-up
 - •Daily phone call
 - •Field visit check
 - •Re- interview
- •Interviewer appraisal





Thank You