

International Survey Data Collection Implementation: Lessons Learned

Gina-Qian Cheung, Beth-Ellen Pennell, Lisa Wood and Jay Lin

CSDI 2014, Bethesda, MD



Background

2012 CSDI presentation: International Survey Data Collection Models

Three Models

- Training the trainers for the content of the instrument from each country
- Institute for Social Research (ISR) hosts the CAI data (both survey data and paradata)
- Country locally hosts their own survey collection data





Three countries and three projects

Nepal: Nepal Household Registry Project

Ghana: Ghana Socioeconomic Panel Survey

 The Kingdom of Saudi Arabia: Saudi National Mental Health Survey



Nepal Household Registry Project

This longitudinal project has been conducted by the Institute for Social and Environmental Research (ISER) in Nepal since 1996 and includes full life histories for more than 10,000 individuals and tracks continuous measurement of community change both within the original study neighborhoods and with respondents who move out of those neighborhoods (even when they move out of Nepal).



PAPI vs. CAI data Collection



© 2014 by the Regents of the University of Michigan

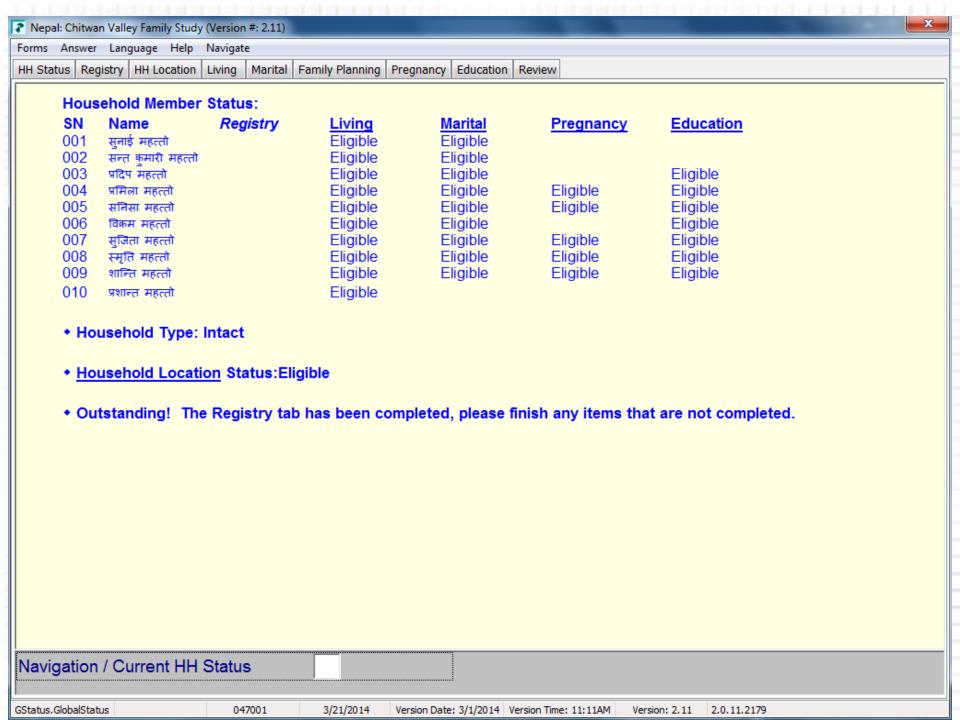
S.1	Respondent In	Ind	Sex	Sex Age		Living							Marital Status						Pregnancy Status							Education							
	ID#	rw				Jan	Feb	March	April	May	June	July	Jan	Feb	March	April	May	June	July	Jan	Feb	March	April	May	June	July	Jan	Feb	March	April	May	June	July
4																																	
- 3																																	
		Ш																															
		Ш		<u> </u>																													
(Н		<u> </u>																_			_				<u> </u>						
1		Н		_																_							_						
3		Н		\vdash																							\vdash						
-		Н		┝									\vdash							┢							┢						
1		Н		\vdash																							\vdash						
1		Н																															
1	,																																
1	ı																																
1	;																																
1	i																																
1	,	Ш		_																													
1	1	Щ		_																_							<u> </u>						
1		Н		┝																													
2		Н		┝																							_						
2		Н		⊢																\vdash							├						
2		Н		\vdash																							\vdash						
2		Н		\vdash																							\vdash						
2		П																															
2																																	
2	,																																
**	***For interviewer's:*** 0=Living in the Household								U=Unmarried S=Separate due to quarre					N= No Pregnant S = Still Birth					1=In school, 0= Not in school														
Se	See the last month information and ask Place code= For Living away								M=Married D = Divorce/ Elope					P= Pregnant M =Miscarriage																			
the	the appropriate questions. D = Died.									A =Separate due to work W = Widow					B= Birth A = Abortion																		
La	Last time we updated your household information inmonth								am her	*** For Interviewers:					*** For interviewers:					*** For interviewers:													
to	to update your household information since that time. In addition, this time I would also like to add if there									Ask these questions to above 12 years old					Ask the questions to 12-45 years old					Ask the questions to 5 to 34 years old													
an	any member of your household we left out in the household listing last time, who may have been away from								ay from						females.					respondents.													
	home at that time. First let me start with people who were in your household last time and I will ask about										A. last mouth was unmarried/					A. Last mouthwas pregnant					Now lets talk about schooling. By in school we												
- 1	those were left out time.									living (together/ separate) with his/her					/not pregnant, What about now?					mean currently going to school, in vacation, between													
- 1	At that timewa		-					-					spouse, widow, what about now?										school, adult education & training and preparing for										
- 1	Last timewas av	•							ving here	in your ho	usehodl?		B. Besides these is there anybody who get					B. Besides these is there anybody in your					exam.										
	C. Besides these people, is there anybody came to live in your household?								married, living together/ separate , widow , divorced or eloped ?				household get pregnant, gave birth, still birth, miscarriage or abortion.					Using this crieteria, how about schooling? Is in school or not in school?															
_	D. Now, are there any member of your household not included above? If there are please tell me their names distributed dist						divorc	ed or e	oped :	!				Dirth,	miscar	riage o	r abor	11011.			Is	ın sch	001 OF 110	in school	01?								

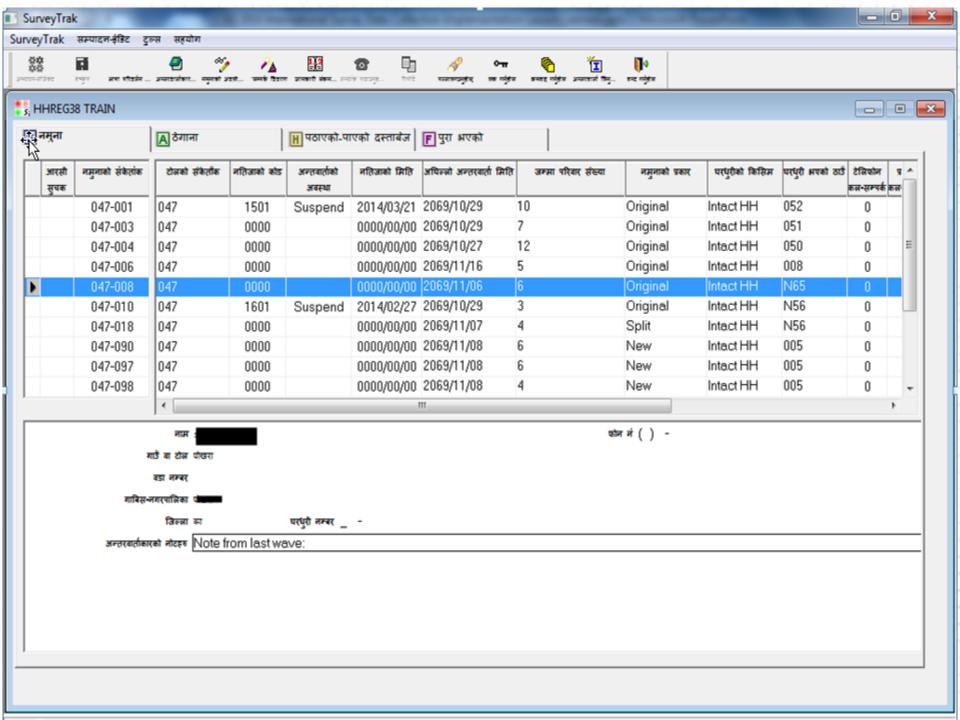
¹⁼Besides these people, is there anybody else who should be listed as member of your household?

For interviewers If a new person starts living in the household form this month, record name on the name format and ask the questions.

2= Now, I will read the information to you I record aobove. Please tell me if I have not recorded correctly.

³⁼ Finally, did I left any member of your household to record here?





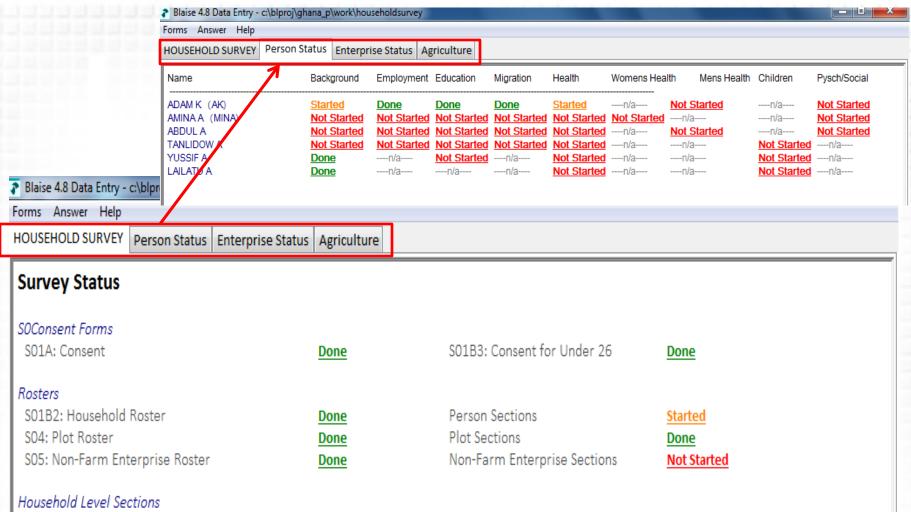


Ghana: Ghana Socioeconomic Panel Survey

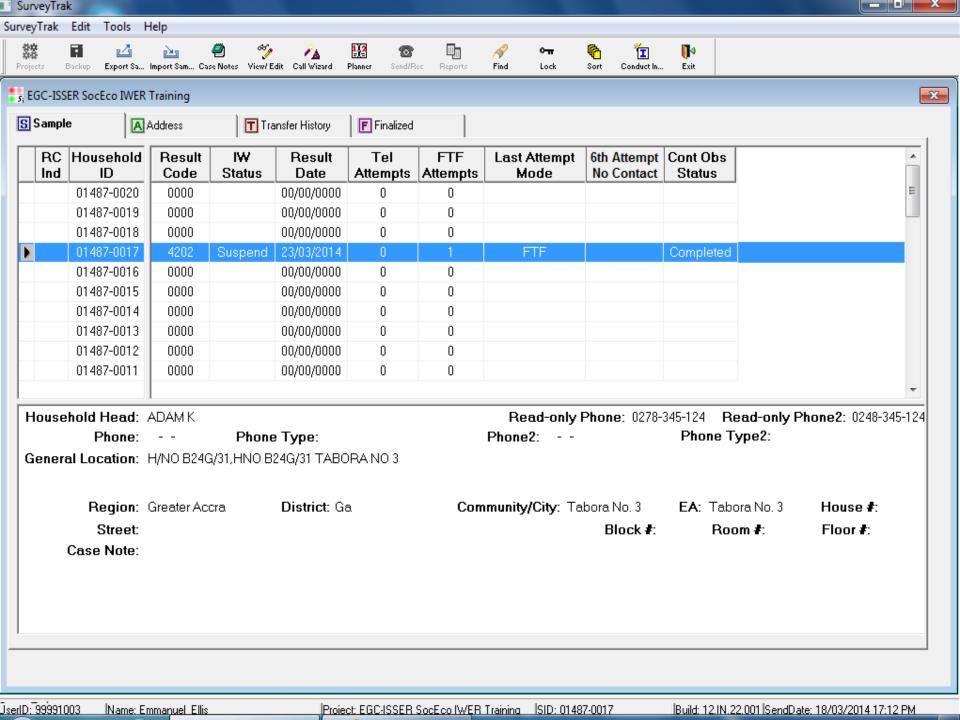
- Sponsored by Yale and carried out by the Institute for Statistical, Social and Economic Research (ISSER)
- First wave was completed between October 2009 and February 2010
- Sample size of 5009 households, with approximately 18,000 individuals
- This sample is divided into 334 enumeration areas (EAs)
- The plan is to revisit these households at 3-4 year intervals for 20 years



SECTION N: HARVEST- TO BE ASKED OF R1 IN MAIN SURVEY, R2 IN R2 SURVEY READ: Of course, I'd also like to know about the crops you harvested at the end of the farming season. ELECTRONIC VERSION PRELOADS R1 PLOTS IN MAIN SURVEY, R2 PLOTS IN R2 SURVEY PLOT A to J N1.1 N1 2 N13 N1.4 N1.5 N1.6 N1.7 N1.8 N1.9 N1.10 IF N1.4=2 or 3 While still in the field, was What was the crop lost to? How much of your crop Plot Crop Type Unit of Have you harvested CROP TYPE In which How many UNIT How much do you any of your CROP TYPE from PLOT A? of CROP TYPE month(s) did was lost in total? measurement expect to harvest from PLOT A damaged by has been harvested you harvest the from PLOT A (IF pests, rotting, or any other Codes for N1.9: from PLOT A? CROP TYPE N1.4=2 do not reason? from PLOT A? include what has 1 Rotting been harvested. 2 Disease already) 3 Fire If there has been Blaise preloads Use units from 1 Yes UNIT OF 1 Yes, fully (no CROP TYPE is Blaise See codes to the Enter Percentage (%) 4 Flood more than one remaining on PLOT A)→N1.5 preloads MEASURE months N1.3 2 No (-> NEXT PAGE) right. Select all OTHER 5 Drought 2 Yes, partially (some of CROP TYPE is harvest from the plot, which apply. please crop types 6 Birds vet to be harvested from PLOT give the total quantity specify.) 7Insects A) > N1.5 which has been 3 No (all of CROP type is yet to be harvested over the 8 Ants harvested from PLOT A) -> N1.7 fast 12 months Q Rees 1 Yes, fully 2 Yes, partially3 No 10 Cockroaches A Bag Rice 1 Yes 2 No 12 Grasshoppers 1 Yes, fully 2 Yes, partially3 No Bag(dried without 12 Locust Maize cobs and 1 Yes 2 No 13 Termites processed) 14 Cateroillars 1 Yes, fully 2 Yes, partially3 No 15 Centipedes Millet Bag 1 Yes 2 No 16 Saligu 1 Yes, fully 2 Yes, partially3 No Sorghum Bag 1 Yes 2 No 17 Pandochirsi 1 Yes, fully 2 Yes, partially3 No 18 Zunzuva Groundnut Bag (without shell) 1 Yes 2 No 19 Tambepelgu 20 Rodents 1 Yes, fully 2 Yes, partially3 No 21 Mice Soya bean Bag(without shell) 1 Yes 2 No 22 Rats 1 Yes, fully 2 Yes, partially3 No 23 Grasscutters A Cassava Bag 1 Yes 2 No 24 Squirrels 1 Yes, fully 2 Yes, partially3 No 25 Monkeys Yam Bowl (100 tubers) 1 Yes 2 No 26 Sheep 1 Yes, fully 2 Yes, partially3 No 27 Goats Bag 1 Yes 2 No Cowpea 28 Cattle 1 Yes, fully 2 Yes, partially3 No Bag 1 Yes 2 No Okra 29 Bandicoot 1 Yes, fully 2 Yes, partially3 No 30 Other Pepper Bag 1 Yes 2 No (SPECIFY) 1 Yes, fully 2 Yes, partially3 No Water A Bow1 1 Yes 2 No melon 1 Yes, fully 2 Yes, partially3 No Box 1 Yes 2 No Mangoes 1 Yes, fully 2 Yes, partially3 No 1 Yes 2 No Box Tomato 1 Yes, fully 2 Yes, partially3 No Salad A Box 1 Yes 2 No 1 Yes, fully 2 Yes, partially 3 No Bag (different from Cotton 1 Yes 2 No maize bag) 1 Yes, fully 2 Yes, partially 3 No Other 1 Yes 2 No



SO2B: Non-Resident Spouses	Not Started	S03Ai: Animals	<u>Done</u>
SO2A: Non-Resident Relatives	Not Started	S03Aii: Tools	Started
S10C: Social Networking	Started	S03Aiii: Durable Goods	Started
S10D: Information Seeking	Done	S03Bi: Borrowing	Not Started
S11: Household Consumption	Not Started	S03Bii: Lending	Done
S12: Housing Characteristics	Not Started	S03Biii: Out-Transfers	n/a
SO4NN: Gathering	Done	S03Biv: In-Transfers	n/a
_		SO3Bv: Savings	Done





The Kingdom of Saudi Arabia: Saudi National Mental Health Survey

Target population: non-institutionalized Saudi

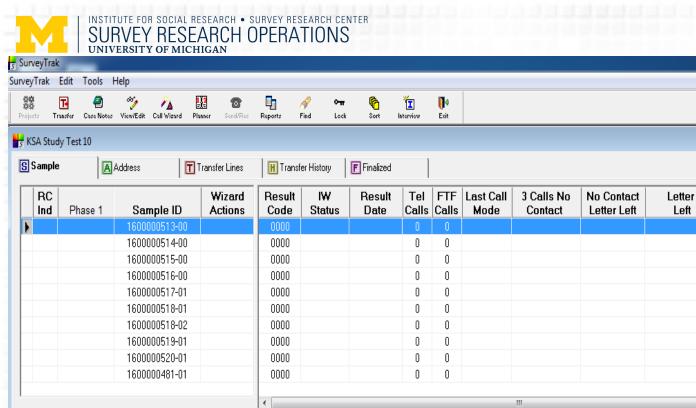
Nationals 15-65 years old

CAPI with ACASI

- Sample design:
 - Multistage area probability
 - Stratified by 13 administrative areas
 - Sample Size:
 - 6,500 interviews in 3225 househo
 - Two randomly selected respondents per household: female and male







Name of Occupant: محمد حمود حماد (بريده (مقرالامارة: Muhafatha: GPS1: N25-78-295 GPS2: E43-55-215 (مكة المكرمة (مقر الإمارة :Name of Area

ارطاوي الرقاص :Markaz Ism Almusamma:

Type of Musamma:

القويعية: City:

PSU #: 4062405 Block#: 145 Case Notes:

Distance between Almusamma and Markaz:

Direction:

General Location:

Haii# 164 **Haii**:

مدارس الجزيرة الاهلية: "Qitaa'a: 120 Qitaa'a مطعم سرايا التركي :Block's Special Mark

شارع الغازي بن قيس: Northern Block Border شارع شيبان التهيمي :Southern Block Border

شارع الفجيرة :Eastern Block Border

ممر ابي النجح اسماعيل: Western Block Border

Type of Road:

Mahna#: 120 Maskan#: 153

Street Name:

خيمة/صندقة: Type of Building

of Floors: 145 # of Units: 152

Mushrif: 115 Mufatish: 62 Muraakib: 164 Aadad: 130

Phone Type:

Phone: Ext:

Email:

Informant Name:

Informant Age:

Informant Gender:

Thank You

Letter

Cont Obs

Status

Male R Relationship with Informant: Female R Relationship with Informant:

Jseur tukspd01

Name: Saudi UserPD01 (Yamen)

Project: KSA Study Test 10

ISID: 1600000513-00

Build: 12.01.10

SendDate: 03/20/14 10:48 AM

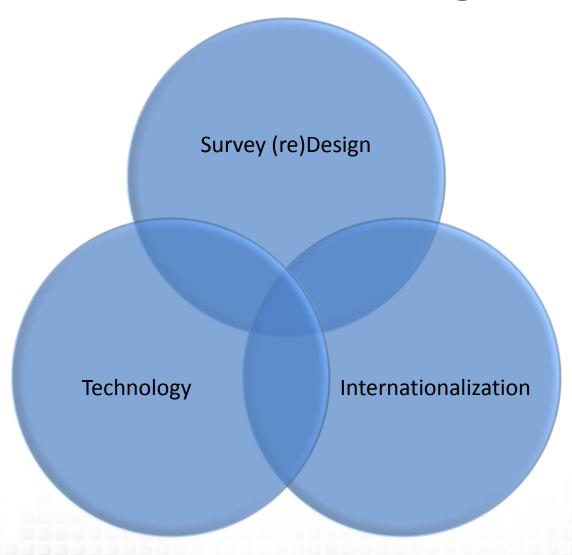
- • X

lw Ob ^

Statu



Three areas of challenges



Survey (re)design challenges

- Transition from a well-defined paper & pencil questionnaire to a computer assisted interview (CAI) instrument
 - Complex grid designs
 - No explicit consistency checks
 - Preload previous data collection/"sample frame" data from census
 - Question fills
 - Interviewer instructions
 - Question-by-question on-line help
 - Questionnaire translation
- CAI testing
- CAI training (new data collection procedures)
 - General interview technique training
 - Instrument-specific training

Technology challenges

- Mobile phone based technology (bandwidth is very narrow)
- Modifying matured and tested systems to fit each country's project specific requirements
 - Off-line transfer of cases capabilities
 - Off-line distribution of sample
 - Able to switch respondents easily (multiple respondents)
 - Able to jump to any section of questionnaire quickly
 - Development of a questionnaire "dashboard" to show the status of all the questionnaire sections and all the respondents within the household
- Adapt country-specific equipment (such as laptops) and systems (such as operating systems)
- Hard to carry out system integration testing
- Development of remote production support with advanced tools

Internationalization challenges

- Languages
- Terminology
- Time zones
- Cultural awareness or cultural sensitivity
- Survey process standards (PAPI vs. CAI)
- Conversational interviewing techniques, group/team interviews
- Staff skill and experience
- Training practice training production (more training)
 - Data collection monitoring shifts from reliance on monitoring survey data to including analysis of paradata once we shift from PAPI to CAPI
 - Significant training issue
- Retaining trained resources (managers, team leaders, interviewers)



Conclusions

- Survey (re)design is very time consuming work and significant time needs to be allotted
- Flexibility is must: need to balance between standardization and localization of approach and methods
- Multiple training methods and plans, prepare to retrain/refresh/repeat all the steps
- Understanding of differences and reacting quickly
 - Advantages and challenges of working with local collaborators
 - Multiple types of communication channels: landline/cell phone calls, E-mail, Skype, Viber, WhatsApp, Text Message, and Facebook Messengers

