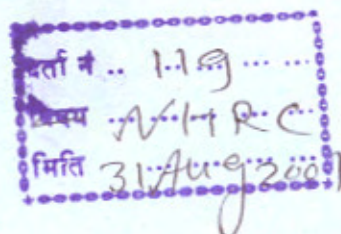


265

HIV/STD Prevalence and Risk Factors among Nepali Male Migrants and Non-Migrants



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Accession No. 226
Call No.



Family Health International (FHI)
In Collaboration with
The National Center for AIDS and STD Control, Ministry of health,
New ERA and SACT

2001

With funding provided by
The U.S. Agency for International Development

Principal Investigators:

Stephen Mills, Family Health International, Bangkok/Siddhartha Man
Tuladhar, New ERA, Kathmandu, Nepal/B.L. Guruwacharya,
SACTS, Kathmandu, Nepal/Dr. K. Bhuyan, FHI, Delhi, India/
Mr. Shankar Talwar, IMRB, Mumbai, India

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ABBREVIATIONS



AIDS	Acquired Immunodeficiency Syndrome
FHI	Family Health International
HIV	Human Immunodeficiency Virus
IMPACT	Implementing HIV/AIDS Prevention and Control
NCASC	National Center for AIDS and STD Control, Ministry of Health
NGO	Non-Governmental Organizations
PCR	Polymerase Chain Reaction
PI	Principle Investigator
RPR	Rapid Plasma Reagin
SACTS	STD/AIDS Counseling and Testing Services
STD	Sexually Transmitted Diseases
STI	Sexually Transmitted Infection
SW	Sex Workers
TPHA	<i>Treponema pallidum</i> Hemagglutination Assay
USAID	United States Agency for International Development

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I. BACKGROUND

Current data suggests that Nepal has a concentrated HIV epidemic focused primarily among injection drug users (IDU), sex workers (SW), and migrant laborers. International evidence suggests that migration is often linked to higher levels of HIV transmission. In Western Nepal, poverty leads sometimes as high as 60% of men in some districts to migrate to India for temporary employment. Many of the destination states in India where Nepalis seek employment report high prevalence of HIV among sex workers, e.g. Maharashtra and Gujarat.

Qualitative interviews with wives of migrant laborers in some districts in Western Nepal report that “Mumbai disease” has entered the local vernacular, suggesting that HIV has penetrated to an extent meriting action and higher quality data. However, to date no HIV nor sexually transmitted infections (STI) prevalence surveys have been conducted to confirm this nor to establish a linkage between migration to India and HIV transmission.

The study here proposes to investigate the role of male labourer migration to India on the HIV epidemic in Nepal. It consists of returning migrants and non-migrants in the four Far West Districts of Achham and Kailali. The study will examine the relationship of HIV and selected STIs to migration behaviour and sexual behaviours at migration source. They will also determine the prevalence of HIV and STI among males in the highest migrating area of the country. Finally, the study will inform the development of prevention interventions for migrants as well as provide baseline biologic and behavioral measures for the evaluation of these interventions in the future.

II. OBJECTIVES

The overall objectives of this study are to determine the following:

- HIV/STI prevalence and risk factors among returning Nepali migrants and non-migrants in selected Far West districts of Nepal

Fulfilling these objectives will inform interventions to Nepali migrants in India and in-country, provide baseline biologic and behavioral indicators from which to measure trends, and add to the limited data in Asia on the role of migration in the dynamics of HIV transmission.

III. METHODS

A. Study Population

The study populations for the cross-sectional survey are the following:

- 600 men (18 – 45 years old) from Achham District which will include migrant and non-migrant
- 300 migrants and 300 non-migrants from Kailali District

B. Recruitment of Study Participants (Team)

There will be two study teams (one in each location), each consisting of the following:

- A qualified physician or medical assistant for the examination, collection of specimens, and treatment provision
- An interviewer for completion of the questionnaire
- A field worker to recruit participants at the different locations and to bring them to the study site
- A supervisor who will coordinate the logistics and activities of the study team(s). This supervisor has the overall responsibility to ensure the quality of the study.

In the research sites, both migrants and non-migrants will be recruited from households. Recruitment will occur during the just before Dashain and Tihar holiday season in Nepal when most migrants tend to return to their homes.

Field Operations. Once the teams have been identified, preparation will be made for training of interviewers and lab technicians. A total period of 2 weeks will be spent on training the staff. The training will include familiarization of the questionnaires, interview techniques (with special emphasis on rapport building, confidence building, maintaining an environment of goodwill, trust, comfort, privacy, etc.), developing positive attitudes towards the study subjects, how to approach respondents for interviews, maintaining data quality, ethical issues related to the study, and the consent procedure and documentation.

Locations of the study sites will be rented rooms or space provided by non-government organizations with rapport with migrants.

Potential participants will be approached and told about the study and referred to the study site. Potential participants will voluntarily present at the study clinic. There they will be enrolled after the study is explained and all questions answered. Verbal consent will be administered by the interviewer in a private setting and witnessed by the physician/clinical officer. No identifying characteristics will be collected. All participants will be 18 years old or older.

In a private room the interviewer will administer a standard questionnaire. The questionnaire will include the following topics: socio-demographic profile, presence of related STI symptoms, sexual behavior and practices, migration behavior (for the migrant sample), number of partners, history of previous STI, the presence of STI related symptoms and condom use. Upon completion of the questionnaire, the trained clinician will then perform the routine genital examinations for the presence of genital discharge, ulcers, and warts. After genital examination, each participant will be asked to provide freshly voided urine for PCR examination for *N. gonorrhoeae* and *C. trachomatis*. Blood samples will be taken from subjects for syphilis and HIV serologic testing. Participants with symptoms suggestive of an STI syndrome (e.g. urethral discharge or genital ulceration) will be treated based on the Nepali syndrome management guidelines.

Anonymity will be guaranteed on all documents, specimens and test results. All questionnaires and specimens will be marked with a study number. No names will appear on the forms or collected specimens. Participants will be given a card with their study number and a time to return to the study site for test results and treatment (if necessary) of a sub-set their tests: syphilis and HIV serology. At this time they will receive additional counseling on

STIs and HIV prevention messages will be reinforced. Condoms will be given and demonstrated. HIV-positive respondents will be referred to local care services, which will have been notified during the study planning process that individuals with HIV may be referred. If men identified with STIs or STI syndrome bring sexual partners to the follow-up clinics, free treatment will also be provided to the partner. ↑↑?

B. Study procedures

Clinical Examination:

- An external inspection of the genital area, noting the characteristics of any local changes such as erythema, abrasions, ulceration, warts and discharge at the urethral meatus, will be made and any ulcer will be swabbed;
- In the absence of visible urethral discharge, the patient will milk the urethra. The characteristics of any discharge will be noted and a swab for culture will be taken;
- If genital ulceration is found, the number and characteristics will be noted and it will be swabbed;
- A first catch specimen of urine will be collected for PCR. The urine specimen will be handled, stored and transported as indicated in the manufacturer's instructions.
- Ten cc of blood will be drawn for syphilis and HIV serology.

Laboratory procedures

Two laboratories will be used for the study: 1) STD/AIDS Counseling and Testing Services (SACTS) in Kathmandu for the Nepal-based samples for syphilis and HIV testing and 2) Biotech in Ahmedabad for the India-based samples for all tests. In addition the Biotech laboratory in Ahmedabad will do the PCR testing from Nepal. Local laboratories will be identified where specimens will be transported from the field on a daily basis, logged, aliquoted, labeled and stored by study personnel. Specimens will be hand carried on a regular basis using air transport to the central laboratories for analysis.

Polymerase chain reaction (PCR) for *N. gonorrhoeae* and *C. trachomatis*: urine specimens from men will be stored in a cool box until transport to the designated laboratory. There the urine specimens will be aliquoted and the urine will be frozen at -20 C, batched, and transported to Kathmandu, stored and transported to India where they will be analyzed.

Syphilis testing will be done on sera transported in a cool box to the laboratories using quantitative rapid plasma reagin (RPR) screening test with *Treponema pallidum* hemagglutination assay (TPHA) confirmatory test.

HIV infection: Sera will be tested using an enzyme linked immunosorbent assay (ELISA) and confirmed with a second ELISA of different format.

IV. DATA ANALYSIS

Questionnaire and clinical data forms will be transported daily from the field with the specimens and stored in a locked filing cabinet. HIV and other STD results from the

laboratory data forms will be collected on a periodic basis and sent to the research firm responsible for the analysis. In Nepal, this will be New Era. Data entry will be done at New Era using the Statistical Package for the Social Sciences (SPSS). Data will be entered twice to maximize accuracy. Chi square analyses and logistic regressions will be used to assess the relationships between variables and to calculate odds ratios.

V. POTENTIAL RISKS AND BENEFITS

Potential Risks

There are minimal physical risks of bleeding and bruising related to venipuncture. However, the study will use only trained medical personnel to draw a blood and will ensure an adequate supply of new, sterile disposable needles.

There is a psychological risk due to the sensitive nature of the questions in the structured questionnaire. The questionnaire will be administered by same-sex study personnel in a private setting, will not contain identifiers and the participants will be told that they can refuse to answer any questions. There are also some psychological risks from learning that one has an STI or HIV infection. Study staff will be trained in HIV and STI counseling.

Participants will be assigned a study number at the time of enrollment. No names or other personal identifiers will be recorded anywhere. This study number will not be linked to any personal identifiers. Study participants will have a card with a number that they must show to get their study results.

Potential Benefits

The principal benefit for the participants is that they will receive a comprehensive STI evaluation with free, appropriate treatment provided. They will also received HIV pre and post-test counseling. Additionally, they will receive one-on-one education and counseling regarding STIs and HIV and be given condoms as well as instruction on condom use. The countries of Nepal and India will benefit because the information gained in this study will contribute directly to HIV/STI prevention efforts.

VI. ETHICAL REVIEW

The protocol, consent forms and draft questionnaires will be submitted for approval to both the Nepal Health Research Council and the Protection of Human Subjects Committee of Family Health International. Approval will be obtained from all review bodies prior to subject recruitment.

VII. MONITORING PLAN

As part of the regular monitoring activities and site visits, the Principal Investigators(Pis) will also ensure that the study teams adhere to all provisions designed to protect the rights of voluntary participants during the study. The Field Supervisors will be trained specifically to ensure that all provisions are adhered to on a daily basis and will report back directly to the respective PIs. Mills and the respective PI will also

1. Verify that informed consent was correctly administered for all participants by reviewing the signed copies of the PHSC and local review board-approved consent forms.
2. Review study procedures to ensure that any amendments have been approved by the PHSC and local review board and are appropriately conveyed to the study teams.
3. Determine whether adverse events have been appropriately reported to the PHSC and local review board, and that any participants experiencing adverse events have been appropriately treated and referred for further care, if necessary.
4. Verify that any events resulting in a breach of confidentiality have been reported and documented.
5. Review procedures for storing study data, ensure that information related to the study is kept confidential, and that only the necessary staff have access to that information.

VII. ETHICAL ISSUES

The study investigators are cognizant of the fact that the groups for this study are at some risk of social harm because of their participation in the study and because Nepalis are foreign workers in India. In the dissemination of results, we will emphasize a broad approach to HIV prevention, which should include all men so as to minimize any blame, or targeting that may fall on Nepali men. We have designed this study to maximally protect the participants balanced with the individual benefit and community benefits from this study. Specifically,

- Field workers will be specifically trained in recruitment so that participation is private. Participants will either voluntarily show up at the study site or be accompanied by interviewers if they desire to be interviewed at the time of contact.
- Informed consent is witnessed.
- No names will be recorded. All documentation is anonymous, linked only by a study number.

VIII. DISSEMINATION PLANS

A written report of the results of the study will be provided to various state and national government AIDS organizations in India, the Nepal National Center for AIDS and STD Control in the Ministry of Health, the USAID mission and other NGOs in India and Nepal. An oral debriefing will also be done with key interested parties including relevant ministries and other donors and key NGOs. Results from this study will be presented at national, regional and international meetings and published in international peer-reviewed journals. We will also disseminate study results to organizations that have contacts with Nepali laborers in India so that results and recommended prevention strategies and interventions are made known to them.

IX. PROJECT TIMELINE

The total duration of Study will be approximately six months:

September- October, 2001

Protocol development

Questionnaire development, translation, reproduction

Protection of human subjects approval, FHI and Nepalis

Location and rental of clinic sites in Accham and Kailali

Recruitment and training of study team

October, 2001 – December, 2001

Field work

Lab testing

Data entry



January, 2002 - March, 2002

Data analysis

Report writing

Dissemination workshops

HIV/SDT Prevalence and Risk Factors Among Nepali Male Migrants and Non-Migrants

Detailed Budget

Budget Category		Amount NRs.	Amount US \$
1.0	Salary		
1.1	Project Director # 1 (NRs. 26,000/m X 6 months)	156,000	2,094
1.2	Project Associate # 1 (NRs. 26,000/m x 3 months)	78,000	1,047
1.3	Senior Research Associate (NRs. 70,000/m x 2 months)	140,000	1,879
1.4	Research Associate (NRs. 40,000/-m x 2 months)	80,000	1,074
1.5	Resource Person # 15 (NRs 10,000/- x 15)	150,000	2,013
1.6	Research Assistants # 2 (NRs. 14,000/m X 6 months x 2 persons)	168,000	2,255
1.7	Research Assistants # 2 (NRs. 10,000/m X 2.5 months x 2 persons)	50,000	671
1.8	Field Supervisors # 14 (NRs. 6,500/m X 2.5 months X 14 persons)	227,500	3,054
1.9	Motivator # 12 (NRs. 6,000/m X 2.5 months X 12 persons)	180,000	2,416
1.10	Health Assistant # 2 (NRs. 15,000/m x 2.5 months x 2 persons)	75,000	1,007
1.11	Lab Assistants # 2 (NRs. 15,000/m x 2.5 months x 2 persons)	75,000	1,007
1.12	Computer Programmer #1 (NRs. 16,000/m X 3 months)	48,000	644
1.13	Coders & Data Entries (NRs. 6,500/m X 8 person months	52,000	698
1.14	Secretarial Support (NRs. 11,000/m X 2 months)	22,000	295
1.15	Runner # 4 (NRs. 4,500 x 3 months x 4 persons)	54,000	725
Salary Sub-Total		1,555,500	20,879
2.0	Fringe Benefits		
2.1	Project Director # 1 (NRs. 10,800/m X 6 months)	64,800	870
2.2	Project Associate # 1 (NRs. 10,800/m x 3 months)	32,400	435
2.2	Research Assistants # 2 (NRs. 8,000/m X 6 months x 2 persons)	96,000	1,289
2.3	Computer Programmer #1 (NRs. 8,000/m X 3 months)	24,000	322
2.4	Secretarial Support # 1 (NRs. 6,000/m X 2 months)	12,000	161
Fringe Benefits Sub-Total		229,200	3,077
3.0	Travel, Transport & Per Diem		
3.1	Air Travel Kathmandu-Nepalgung (24 round trips @ NRs. 5,000/- round trip) Nepalgunj-Safebagar (10 round trips @ NRs. 3,000/- round trip)	150,000	2,013
3.2	Local Transport (Rs. 8,,000/- x 6 months)	48,000	644
3.3	Surface Travel	40,000	537
3.4	Vehicle Rental #2 (NRs. 120,000 x 4 months)	480,000	6,443
3.5	Per Diem Executive Staff (Rs. 700/- day x 15 days x 4 persons) Senior Staff (Rs. 400/- day x 50 days x 4 persons) Health Assitant, Lab Assistant (NRs. 350/- day x 60 days x 4 persons) Junior Staff (Rs. 230/- day x 60 days x 26 persons)	564,800	7,581
Local Travel Subtotal		1,282,800	17,218

Budget Category		Amount NRs.	Amount US \$
4.0	Office Expenses		
4.1	Stationary/Office Supplies (NRs. 2,000/m x 6 months)	12,000	161
4.2	Photocopy (NRs. 4,000/m x 6 months)	24,000	322
4.3	Communication Cost (NRs. 5,000/m x 6 months)	30,000	403
	Office Expenses Subtotal	66,000	886
5.0	Other Direct Cost		
5.1	Questionnaire Printing (NRs. 20/copy X 1,500 copies)	30,000	403
5.2	Field Supplies (NRs. 3,000/m X 2 months)	6,000	81
5.2	Computer Supplies (NRs. 4,000/m X 6 months)	24,000	322
5.3	Refreshment Expenses (NRs. 100 x 1,400 persons)	140,000	1,879
5.4	Meeting Expenses in District and Centre (NRs. 2,000 x 6 months)	12,000	161
5.5	Field Equipment Rental (NRs. 2060 nights x Rs. 25/-)	51,500	691
5.6	Report Production Cost	30,000	403
	Other Direct Cost Subtotal	293,500	3,940
6.0	STD Management Services		
6.1	Counselling & Services (1400+10% = 1540 @ Rs. 935/-)	1,439,900	19,328
6.2	STD Management (500 persons x NRs. 100/- per person)	50,000	671
6.3	Clinical Supplies BP Instruments (2) Thermometers (6) Licosite Sticks (1500) Centrifuges (2)	100,000	1,342
6.4	Room Rental for Clinic Set (NRs. 4000 x 3 months)	12,000	161
6.5	Clinical Setup (NRs. 5,000/- per site x 2 sites)	10,000	134
	STD Management Services Subtotal	1,611,900	21,636
6.0	G & A		
6.1	Overhead @ 18.53 %	933,708	12,533
	G & A Subtotal	933,708	12,533
	Grand Total	5,972,608	80,169

(US \$ 1.00 = NRs. 74.50)

HIV/STD prevalence and risk factors among Nepali migrants and non-migrants
Nepal-based respondents questionnaire

"My name is... I'm working for... We're interviewing people here in [name of city, region or site] in order to find out about men's health behaviors. Have you been interviewed in the past few weeks [or other appropriate time period] for this study? **IF THE RESPONDENT HAS BEEN INTERVIEWED BEFORE, DO NOT INTERVIEW THIS PERSON AGAIN.** Tell them you cannot interview them a second time, thank them, and end the interview. If they have not been interviewed before, continue:

"I'm going to ask you some very personal questions that some people find difficult to answer. Your answers are completely confidential. Your name will not be written on this form, and will never be used in connection with any of the information you tell me. You do not have to answer any questions that you do not want to answer, and you may end this interview at any time you want to. However, your honest answers to these questions will help us better understand what people think, say and do about certain kinds of behaviors. We would greatly appreciate your help in responding to this survey. The survey will take about 20 minutes to ask the questions."

001 QUESTIONNAIRE IDENTIFICATION NUMBER

002 CITY _____ (provide locally appropriate categories)

003 REGION _____ (provide locally appropriate categories)

004 SITE _____ (provide locally appropriate categories)

005 INTERVIEWER: Code [] Name _____

006 DATE INTERVIEW: __ \ __ \ __

CHECKED BY SUPERVISOR: Signature _____ Date _____

The questionnaire includes the following sections:

Section 0 – Questionnaire identification data (6 codes)	
Section 1 – Background characteristics	13 questions
Section 2 – Marriage	4 questions
Section 3 – Sexual history: numbers and types of partners	4 questions
Section 4 – Sexual history: regular partners	6 questions
Section 5 – Sexual history: non-regular partners	6 questions
Section 6 – Sexual history: commercial partners	6 questions
Section 7 – Male and female condoms	7 questions
Section 8 – STDs	5 questions
Section 9 – Knowledge, opinions, and attitudes towards HIV/AIDS	18 questions
Section 10 – Exposure to prevention	(variable)
TOTAL NUMBER OF QUESTIONS:	68 questions

Section 1: Background characteristics

No.	Questions and filters	Coding categories	Skip to
Q102	In what month and year were you born?	MONTH [] [] DON'T KNOW MONTH 88 NO RESPONSE 99 YEAR [] [] DON'T KNOW YEAR 88 NO RESPONSE 99	
Q103	How old were you at your last birthday? (COMPARE AND CORRECT Q102 IF NEEDED)	AGE IN COMPLETED YEARS [] [] DON'T KNOW 88 NO RESPONSE 99 ESTIMATE BEST ANSWER	
Q104	Have you ever attended school?	YES 1 NO 2 NO RESPONSE 9	→ Q107
Q105	What is the highest level of school you completed: primary, secondary or higher? CIRCLE ONE	(List locally appropriate categories) PRIMARY 1 SECONDARY 2 HIGHER 3 NO RESPONSE 9	
Q106	How many total years of education have you completed up to now?	# YEARS COMPLETED [] [] NO RESPONSE 99	
Q107	How long have you lived here in (NAME OF COMMUNITY/ TOWN NEIGHBORHOOD/ VILLAGE)?	NUMBER OF YEARS [] [] RECORD 00 IF LESS THAN 1 YEAR DON'T KNOW 88 NO RESPONSE 99	
Q108	In the last 12 months have you worked or been away from your home for more than one month altogether?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	Q109
Q108 B	Where have you been for more than one month during the past 5 years? (HAVE RESPONDENT SPECIFY EXACT CITES IN NEPAL, INDIA, AND ELSEWHERE)	(LIST SITES IN NEPAL, INDIA, AND ELSEWHERE)	
Q108 C	How long were you in each one of these locations?	FOR EACH LOCATION IN Q108B, LIST NUMBER OF MONTHS/YEARS	
Q108 D	Will you be leaving to work away from home again?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
Q108 E	Where will you go to work?	LIST LOCATIONS	
Q108 F	How long will you be here in total during this visit?	LIST NUMBER OF DAYS/WEEKS	

No.	Questions and filters	Coding categories	Skip to
Q108 G	When was the last time you were here at home?	LIST YEAR AND MONTH	
Q108 H	How long did you stay during that time?	LIST NUMBER OF WEEKS/MONTHS	
Q109	What religion are you? CIRCLE ONE	(LIST LOCALLY APPROPRIATE CATEGORIES) NO RELIGION 0 NO RESPONSE 9	
Q110	To which ethnic group do you belong? CIRCLE ONE	(List locally appropriate categories) MIXED ETHNICITY 0 NO RESPONSE 9	
Q111	During the last 4 weeks how often have you had drinks containing alcohol? Would you sayREAD OUT CIRCLE ONE	Every day 1 At least once a week 2 Less than once a week or never 3 DON'T KNOW 8 NO RESPONSE 9	
Q112	Some people have tried a range of different types of drugs. Which of the following, if any, have you tried? READ LIST	(List locally appropriate categories) YES NO DK NR 1 2 8 9 1 2 8 9 1 2 8 9 1 2 8 9	
*Q113	Some people have tried injecting drugs using a syringe. Have you injected drugs in the last month? DRUGS INJECTED FOR MEDICAL PURPOSES OR TREATMENT OF AN ILLNESS DO NOT COUNT	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
Q113b	Have you injected drugs in the last 12 months?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	

Section 2 Marriage and live-in partnerships

No.	Questions and filters	Coding categories	Skip to
Q201	Have you <i>ever</i> been married?	YES 1 NO 2 NO RESPONSE 9	→Q203
Q202	How old were you when you first married?	Age in years [] [] DON'T KNOW 88 NO RESPONSE 99	
Q203	Are you <i>currently</i> married or living with a man/woman with whom you have a sexual relationship?	currently married, living with spouse 1 currently married, living with other sexual partner 2 currently married, not living with spouse or any other sexual partner 3 not married, living with sexual partner 4 not married, not living with sexual partner 5 NO RESPONSE 9	→Q301 →Q301
*Q204	IF MARRIED: MEN: Do you have more than one wife? WOMEN: Does your husband have other wives?	YES 1 NO 2 NO RESPONSE 9	

*NOTE: 204 is appropriate for settings where polygamy is practiced.

Section 3 Sexual history: numbers and types of partners

No.	Questions and filters	Coding categories	Skip to
Q301	<p>Have you <i>ever</i> had sexual intercourse?</p> <p>[For the purposes of this survey, "sexual intercourse," is defined as vaginal or anal sex.]</p>	<p>YES 1 NO 2 NO RESPONSE 9</p>	→Q703
Q302	<p>At what age did you first have sexual intercourse?</p>	<p>AGE IN YEARS [][] DON'T KNOW 88 NO RESPONSE 99</p>	
Q303	<p>Have you had sexual intercourse in the last 12 months?</p>	<p>YES 1 NO 2 NO RESPONSE 9</p>	→Q702
Q304	<p>Think about the female sexual partners you've had in the last 12 months.</p> <p>How many were:</p> <ul style="list-style-type: none"> - Your spouse(s) or live-in sexual partners (<i>"regular" partners</i>) - <i>"Commercial"</i> (partners with whom you had sex in exchange for money) - Sexual partners that you are not married to and have never lived with and did not pay (<i>"non-regular" partners</i>) –DO NOT INCLUDE CURRENT SPOUSE(S) OR LIVE-IN SEXUAL PARTNERS) 	<p>REGULAR [][] DON'T KNOW 88 NO RESPONSE 99</p> <p>COMMERCIAL [][] DON'T KNOW 88 NO RESPONSE 99</p> <p>NON-REGULAR [][] DON'T KNOW 88 NO RESPONSE 99</p>	

Section 3 Sexual history: numbers and types of partners

No.	Questions and filters	Coding categories	Skip to
	<p>(Ask of men):</p> <ul style="list-style-type: none"> <li>- We've just talked about your female sexual partners. Have you ever had any male sexual partners? <li>- Have you had sexual intercourse with any of your male partners in the past 12 months? (sexual intercourse defined as penetrative anal sex) <li>- How many male partners have you had anal intercourse with in the last 12 months? 	<ul style="list-style-type: none"> <li>YES 1 <li>NO 2 <li>NO RESPONSE 9 <li>YES 1 <li>NO 2 <li>NO RESPONSE 9 <li>Male partners [] <li>DON'T KNOW 88 <li>NO RESPONSE 99 	<ul style="list-style-type: none"> <li>→Q401 <li>→Q401

Section 4 Sexual history: regular partners

No.	Questions and Filters	Coding categories	Skip to
Q401	FILTER: CHECK Q304 HAD SEX WITH REGULAR PARTNER DURING PAST 12 MONTHS <input type="checkbox"/> ↓	DID NOT HAVE SEX WITH REGULAR PARTNER DURING PAST 12 MONTHS <input type="checkbox"/> →	→Q501
Q401A	Where is your regular partner located?	LIST CITIES	
Q402	Think about your most recent regular sexual partner. How many times did you have sexual intercourse with this person over the last 30 days? [REGULAR PARTNER INCLUDES SPOUSE OR LIVE-IN SEXUAL PARTNER]	Number of times DON'T KNOW 88 NO RESPONSE 99	
Q403	The last time you had sex with a regular partner, did you and your partner use a condom?	YES 1 NO 2 DON'T REMEMBER 8 NO RESPONSE 9	→Q405 →Q406
Q404	Who suggested condom use that time? CIRCLE ONE	Myself 1 My partner 2 Joint decision 3 DON'T KNOW 8 NO RESPONSE 9	→Q406 →Q406 →Q406 →Q406
Q405	Why didn't you and your partner use a condom that time? ADD OTHER LOCALLY APPROPRIATE CATEGORIES AFTER PRE-TESTING CIRCLE ALL ANSWERS MENTIONED	Y N Not available 1 2 Too expensive 1 2 Partner objected 1 2 Don't like them 1 2 Used other contraceptive 1 2 Didn't think it was necessary 1 2 Didn't think of it 1 2 Other _____ 1 2 DON'T KNOW 1 2 NO RESPONSE 1 2	
Q405A	How many times did you and your regular partner have sexual intercourse during the past month? During the past year?		
Q406	With what frequency did you and all of your regular partner(s) use a condom during the past 12 months?	EVERY TIME 1 ALMOST EVERY TIME 2 SOMETIMES 3 NEVER 4 DON'T KNOW 8 NO RESPONSE 9	

FHI 2000 HIV/AIDS/STD BEHAVIORAL SURVEILLANCE SURVEY (BSS) FOR ADULTS

Section 5 Sexual history: commercial partners

No.	Questions and Filters	Coding categories	Skip to
Q501	<p>FILTER: CHECK Q304</p> <p>HAD SEXUAL INTERCOURSE WITH A COMMERCIAL PARTNER IN <u>LAST 12 MONTHS</u>... []</p> <p style="text-align: center;">↓</p>	<p>HAS NOT <i>HAD</i> SEXUAL INTERCOURSE WITH A COMMERCIAL PARTNER IN <u>LAST 12 MONTHS</u>.... [] →</p>	→Q601
Q501A	Please name for me the cities and towns where you have had sex with a commercial partner in the past 12 months.	LIST SITES	
Q502	Think about your most recent commercial sexual partner. How many times did you have sexual intercourse with this person over the last 30 days?	<p>Number of times []</p> <p>DON'T KNOW 88</p> <p>NO RESPONSE 99</p>	
Q503	The last time you had sex with a commercial partner, did you and your partner use a condom?	<p>YES 1</p> <p>NO 2</p> <p>DON'T KNOW 8</p> <p>NO RESPONSE 9</p>	→Q505 →Q506
Q504	Who suggested condom use that time? CIRCLE ONE	<p>Myself 1</p> <p>My partner 2</p> <p>Joint decision 3</p> <p>DON'T KNOW 8</p> <p>NO RESPONSE 9</p>	→Q506 →Q506 →Q506 →Q506
Q505	<p>Why didn't you and your partner use a condom that time?</p> <p>ADD OTHER LOCALLY APPROPRIATE CATEGORIES AFTER PRE-TESTING</p> <p>CIRCLE ALL ANSWERS MENTIONED</p>	<p>Y N</p> <p>Not available 1 2</p> <p>Too expensive 1 2</p> <p>Partner objected 1 2</p> <p>Don't like them 1 2</p> <p>Used other contraceptive 1 2</p> <p>Didn't think it was necessary 1 2</p> <p>Didn't think of it 1 2</p> <p>Other _____ 1 2</p> <p>DON'T KNOW 1 2</p> <p>NO RESPONSE 1 2</p>	
Q506	With what <i>frequency</i> did you and all of your commercial partner(s) use a condom during the past 12 months?	<p>EVERY TIME 1</p> <p>ALMOST EVERY TIME 2</p> <p>SOMETIMES 3</p> <p>NEVER 4</p> <p>DON'T KNOW 8</p> <p>NO RESPONSE 9</p>	

Section 6 Sexual history: non-regular non-paying sexual partners

No.	Questions and Filters	Coding categories	Skip to
Q601	<p>FILTER: CHECK Q304</p> <p>HAD NON-REGULAR NON-COMMERCIAL SEX PARTNER DURING <u>LAST 12 MONTHS</u>.....[]</p> <p style="text-align: center;">↓</p>	<p>DID NOT HAVE NON-REGULAR NON-COMMERCIAL SEX PARTNER DURING <u>LAST 12 MONTHS</u></p> <p>[] →</p>	→Q701
Q601A	Please name for me the cities and towns where you have had sex with a non-regular non-commercial partner during the last 12 months.	LIST SITES	
Q602	Think about your most recent non-regular, non-commercial sexual partner. How many times did you have sexual intercourse with this person over the last 30 days?	<p>Number of times [] []</p> <p>DON'T KNOW 88</p> <p>NO RESPONSE 99</p>	
Q603	The last time you had sex with non-regular, non-commercial partner, did you and your partner use a condom?	<p>YES 1</p> <p>NO 2</p> <p>DON'T KNOW 8</p> <p>NO RESPONSE 9</p>	→Q605 →Q606
Q604	Who suggested condom use that time? CIRCLE ONE	<p>Myself 1</p> <p>My partner 2</p> <p>Joint decision 3</p> <p>DON'T KNOW 8</p> <p>NO RESPONSE 9</p>	→Q606 →Q606 →Q606 →Q606
Q605	<p>Why didn't you and your partner use a condom that time?</p> <p>ADD OTHER LOCALLY APPROPRIATE CATEGORIES AFTER PRE-TESTING</p> <p>CIRCLE ALL ANSWERS MENTIONED</p>	<p>Y N</p> <p>Not available 1 2</p> <p>Too expensive 1 2</p> <p>Partner objected 1 2</p> <p>Don't like them 1 2</p> <p>Used other contraceptive 1 2</p> <p>Didn't think it was necessary 1 2</p> <p>Didn't think of it 1 2</p> <p>Other _____ 1 2</p> <p>DON'T KNOW 1 2</p> <p>NO RESPONSE 1 2</p>	
Q606	With what <i>frequency</i> did you and all of your non- non-regular, non-commercial partner(s) use a condom during the past 12 months?	<p>EVERY TIME 1</p> <p>ALMOST EVERY TIME 2</p> <p>SOMETIMES 3</p> <p>NEVER 4</p> <p>DON'T KNOW 8</p> <p>NO RESPONSE 9</p>	

Section 7 Male condoms

No.	Questions and Filters	Coding categories	Skip to																																				
Q701	FILTER: SEE Q403, Q406, 503, Q506, Q603, Q606 CONDOMS NOT USED.....[] ↓	CONDOMS USED []→	→Q704																																				
Q702	Have you and a sexual partner <i>ever</i> used a male condom? (Show picture or sample of one.) (The respondent may not have used a condom with partners in sections 4-6, but may have used a condom at some other time in the past.)	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	→Q704																																				
Q703	Have you <i>ever heard of</i> a male condom? (Show picture or sample of one.) (I mean a rubber object that a man puts on his penis before sex.)	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	→Q801 →Q801																																				
Q704	Do you know of any place or person from which you can obtain male condoms?	YES 1 NO 2 NO RESPONSE 9	→Q707																																				
Q705	Which places or persons do you know where you can obtain male condoms? PROBE AND RECORD ALL ANSWERS Any others?	<table border="0"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>Shop</td> <td>1</td> <td>2</td> </tr> <tr> <td>Pharmacy</td> <td>1</td> <td>2</td> </tr> <tr> <td>Market</td> <td>1</td> <td>2</td> </tr> <tr> <td>Clinic</td> <td>1</td> <td>2</td> </tr> <tr> <td>Hospital</td> <td>1</td> <td>2</td> </tr> <tr> <td>Family planning center</td> <td>1</td> <td>2</td> </tr> <tr> <td>Bar/guest house/hotel</td> <td>1</td> <td>2</td> </tr> <tr> <td>Peer educator</td> <td>1</td> <td>2</td> </tr> <tr> <td>Friend</td> <td>1</td> <td>2</td> </tr> <tr> <td>OTHER _____</td> <td>1</td> <td>2</td> </tr> <tr> <td>NO RESPONSE</td> <td>1</td> <td>2</td> </tr> </tbody> </table>		Yes	No	Shop	1	2	Pharmacy	1	2	Market	1	2	Clinic	1	2	Hospital	1	2	Family planning center	1	2	Bar/guest house/hotel	1	2	Peer educator	1	2	Friend	1	2	OTHER _____	1	2	NO RESPONSE	1	2	
	Yes	No																																					
Shop	1	2																																					
Pharmacy	1	2																																					
Market	1	2																																					
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Bar/guest house/hotel	1	2																																					
Peer educator	1	2																																					
Friend	1	2																																					
OTHER _____	1	2																																					
NO RESPONSE	1	2																																					

Section 7: Male condoms (continued)

No.	Questions and Filters	Coding categories	Skip to
Q706	How long would it take you to obtain a male condom close to your house or to where you work?	(Adjust categories as locally appropriate) Under 1 hour 1 1 hour to 1 day 2 More than 1 day 3 DON'T KNOW 8 NO RESPONSE 9	
Q707	<i>FOR SEXUALLY ACTIVE RESPONDENTS ONLY:</i> During the past 12 months, did you ever have sexual intercourse <i>without</i> using a condom with any commercial sexual partner or any other sexual partner who you have never lived with and are not married to?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	

Section 8 STDs

No.	Questions and filters	Coding categories	Skip to
Q801	Have you ever heard of diseases that can be transmitted through sexual intercourse?	YES 1 NO 2 NO RESPONSE 9	→Q804
Q802	Can you describe any symptoms of STDs in women? Any others? DO <u>NOT</u> READ OUT THE SYMPTOMS CIRCLE 1 FOR ALL MENTIONED. CIRCLE 2 FOR ALL <u>NOT</u> MENTIONED. MORE THAN ONE ANSWER IS POSSIBLE.	Yes No ABDOMINAL PAIN 1 2 GENITAL DISCHARGE 1 2 FOUL SMELLING DISCHARGE 1 2 BURNING PAIN ON URINATION 1 2 GENITAL ULCERS/SORES 1 2 SWELLINGS IN GROIN AREA 1 2 ITCHING 1 2 OTHER _____ 1 2 NO RESPONSE 1 2	
Q803	Can you describe any symptoms of STDs in men? Any others? DO <u>NOT</u> READ OUT THE SYMPTOMS CIRCLE 1 FOR ALL MENTIONED. CIRCLE 2 FOR ALL <u>NOT</u> MENTIONED. MORE THAN ONE ANSWER IS POSSIBLE.	Yes No GENITAL DISCHARGE 1 2 BURNING PAIN ON URINATION 1 2 GENITAL ULCERS/SORES 1 2 SWELLINGS IN GROIN AREA 1 2 OTHER _____ 1 2 NO RESPONSE 1 2	
Q804	Have you had a genital discharge during the past 12 months?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
Q805	Have you had a genital ulcer/sore during the past 12 months?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	

Section 9 Knowledge, opinions, and attitudes

No.	Questions and filters	Coding categories	Skip to
Q901	Have you ever heard of HIV or the disease called AIDS?	YES 1 NO 2 NO RESPONSE 9	→Q1001
Q902a	Do you know anyone who is infected with HIV or who has died of AIDS?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	→Q903 →Q903
Q902b	Do you have a close relative or close friend who is infected with HIV or has died of AIDS?	YES, A CLOSE RELATIVE 1 YES, A CLOSE FRIEND 2 NO 3 NO RESPONSE 9	
Q903	Can people protect the virus that causes AIDS themselves from the HIV virus by using a condom correctly every time they have sex?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
Q904	Can a person get the HIV from mosquito bites?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
Q905	Can people protect themselves from the HIV by having one uninfected faithful sex partner?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
Q906	Can people protect themselves from the HIV by abstaining from sexual intercourse?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
Q907	Can a person get the HIV by sharing a meal with someone who is infected?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
Q908	Can a person get the HIV by getting injections with a needle that was already used by someone else?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
Q909	Do you think that a healthy-looking person can be infected with HIV, the virus that causes AIDS?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	

Section 9 Knowledge, opinions, and attitudes (continued)

No.	Questions and filters	Coding categories	Skip to															
Q910	Can a pregnant woman infected with HIV or AIDS transmit the virus to her unborn child?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	→Q912 →Q912															
Q911	What can a pregnant woman do to reduce the risk of transmission of HIV to her unborn child? DO NOT READ LIST CIRCLE ALL THAT ARE MENTIONED.	<table border="0"> <tr> <td></td> <td>Yes</td> <td>No</td> </tr> <tr> <td>TAKE MEDICATION (Antiretrovirals)</td> <td>1</td> <td>2</td> </tr> <tr> <td>OTHER _____</td> <td>1</td> <td>2</td> </tr> <tr> <td>DON'T KNOW</td> <td>1</td> <td>2</td> </tr> <tr> <td>NO RESPONSE</td> <td>1</td> <td>2</td> </tr> </table>		Yes	No	TAKE MEDICATION (Antiretrovirals)	1	2	OTHER _____	1	2	DON'T KNOW	1	2	NO RESPONSE	1	2	
	Yes	No																
TAKE MEDICATION (Antiretrovirals)	1	2																
OTHER _____	1	2																
DON'T KNOW	1	2																
NO RESPONSE	1	2																
Q912	Can a woman with HIV or AIDS transmit the virus to her newborn child through breastfeeding?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9																
Q913	Is it possible in your community for someone to get a confidential test to find out if they are infected with HIV? By confidential, I mean that no one will know the result if you don't want them to know it.	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9																
Q914	I don't want to know the result, but have you ever had an HIV test?	YES 1 NO 2 NO RESPONSE 9	→Q1001															
Q915	Did you voluntarily undergo the HIV test, or were you required to have the test?	Voluntary 1 Required 2 NO RESPONSE 9																
Q916	Please do not tell me the result, but did you find out the result of your test?	YES 1 NO 2 NO RESPONSE 9																
Q917	When did you have your most recent HIV test?	WITHIN THE PAST YEAR 1 BETWEEN 1-2 YEARS 2 BETWEEN 2-4 YEARS 3 MORE THAN 4 YEARS AGO 4 DON'T KNOW 8 NO RESPONSE 9																

STD Treatment seeking behaviours

NO.	Questions and filters	Coding categories	Skip to
	<p>FILTER: CHECK Q*** AND Q***</p> <p>HAD GENITAL DISCHARGE AND/OR GENITAL ULCER.....[] IN LAST 12 MONTHS</p> <p>NO DISCHARGE OR ULCER []→ IN LAST 12 MONTHS</p>		→
	<p>Did you do any of the following the last time you had a genital ulcer/sore or genital discharge: READ OUT. MORE THAN ONE ANSWER IS POSSIBLE.</p> <p>a. Seek advice/medicine from a government clinic or hospital?</p> <p>b. Seek advice/medicine from a workplace clinic or hospital?</p> <p>c. Seek advice/medicine from a church or charity-run clinic or hospital?</p> <p>d. Seek advice/medicine from a private clinic or hospital?</p> <p>e. Seek advice/medicine from a private pharmacy?</p> <p>f. Seek advice/medicine from a traditional healer?</p> <p>g. Took medicine you had at home?</p> <p>h. Tell your sexual partner about the discharge/ STD?</p> <p>i. Stop having sex when you had the symptoms?</p> <p>j. Use a condom when having sex during the time you had the symptoms?</p>	<p>Yes No DK NR</p> <p>1 2 8 9</p> <p>1 2 8 9</p> <p>1 2 8 9</p> <p>1 2 8 9</p> <p>1 2 8 9</p> <p>1 2 8 9</p> <p>1 2 8 9</p> <p>1 2 8 9</p> <p>1 2 8 9</p> <p>1 2 8 9</p> <p>1 2 8 9</p> <p>1 2 8 9</p>	

STD Treatment seeking behaviours (continued)

NO.	Questions and filters	Coding categories	Skip to																								
	<p>Which of these things did you do FIRST?</p> <p>ONLY ONE ANSWER IS POSSIBLE.</p> <p>ADD OTHER LOCALLY APPROPRIATE CATEGORIES IF NECESSARY.)</p>	<p>a. Seek advice/medicine from a government clinic or hospital? 1</p> <p>b. Seek advice/medicine from a workplace clinic or hospital? 2</p> <p>c. Seek advice/medicine from a church or charity-run clinic or hospital? 3</p> <p>d. Seek advice/medicine from a private clinic or hospital? 4</p> <p>e. Seek advice/medicine from a private pharmacy? 5</p> <p>f. Seek advice/medicine from a traditional healer? 6</p> <p>g. Took medicine you had at home? 7</p> <p>h. Other _____ 8</p> <p>DON'T REMEMBER 88</p> <p>NO RESPONSE 99</p>																									
	<p>If you took medicine for the last episode of symptoms, from where did you obtain the medicine?</p> <p>CIRCLE ALL THAT APPLY.</p>	<table border="0"> <tr> <td>Health worker in clinic/hospital</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>Pharmacy</td> <td>1</td> <td>2</td> </tr> <tr> <td>Traditional healer</td> <td>1</td> <td>2</td> </tr> <tr> <td>Friend or relative</td> <td>1</td> <td>2</td> </tr> <tr> <td>"Took medicine I had at home"</td> <td>1</td> <td>2</td> </tr> <tr> <td>Did not take any medicine</td> <td>1</td> <td>2</td> </tr> <tr> <td>DON'T REMEMBER</td> <td>1</td> <td>2</td> </tr> <tr> <td>NO RESPONSE</td> <td>1</td> <td>2</td> </tr> </table>	Health worker in clinic/hospital	Yes	No	Pharmacy	1	2	Traditional healer	1	2	Friend or relative	1	2	"Took medicine I had at home"	1	2	Did not take any medicine	1	2	DON'T REMEMBER	1	2	NO RESPONSE	1	2	
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Did not take any medicine	1	2																									
DON'T REMEMBER	1	2																									
NO RESPONSE	1	2																									

STD treatment seeking behaviour: (continued)

NO.	Questions and filters	Coding Categories		Skip to
	How much did you pay for the medicine you took?	[] [] ADAPT TO LOCALLY APPROPRIATE CATEGORIES		
	FILTER: SEE Q***: Sought advice from a health worker in clinic or hospital [] Yes ↓		No [] →	→ Q
	How long after first experiencing symptoms did you seek advice from a health worker in a clinic or hospital?	1 week or less 1 Less than 1 month but more than 1 week 2 One month or more 3 DON'T KNOW 4 NO RESPONSE 5		
	Did you receive a prescription for medicine?	Yes 1 No 2 DON'T REMEMBER 3 NO RESPONSE 4		
	Did you obtain the medicine prescribed?	Yes, I obtained all of it 1 I obtained some but not all 2 I did not obtain the medicine 3 DON'T REMEMBER 4 NO RESPONSE 5		
	Did you take all of the medicine prescribed?	Yes 1 No 2 DON'T KNOW 3 NO RESPONSE 4		
	If not, why did you not take all of the medicine prescribed? CIRCLE ALL THAT APPLY.	(List locally appropriate categories) DON'T REMEMBER NO RESPONSE	Yes 1 No 2 1 2 1 2 1 2	

Stigma and Discrimination

NO.	Questions and filters	Coding categories	Skip to
	Would you be willing to share a meal with a person you knew had HIV or AIDS?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
	If a male relative of yours became ill With HIV, the virus that causes AIDS, would you be willing to care for him in your household?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
	If a student has HIV but is not sick, should he or she be allowed to continue attending school?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
	If a female relative of yours became ill With HIV, the virus that causes AIDS, would you be willing to care for him in your household?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
	If a teacher has HIV but is not sick, should he or she be allowed to continue teaching in school?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
	If you knew a shopkeeper or food seller had the HIV virus, would you buy food from them?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
	If a member of your family became ill with HIV, the virus that causes AIDS, would you want it to remain secret?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	

Section 10: Exposure to interventions

No.	Questions and filters	Coding categories	Skip to
Q1001	Have you seen or heard any information regarding HIV or STD in the past year?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	→END →END
Q1002	What have been the sources of this information?	LIST SOURCES	
Q1003	What messages have you heard?	LIST MESSAGES	
	Has any person tried to educate you about HIV or STDs in the past year?	YES 1 NO 2 DON'T KNOW 8 NO RESPONSE 9	
Q1004	What type of organization was that person from?	GOVERNMENT 1 NGO/COMMUNITY ORG 2 OTHER: LIST 3 DON'T KNOW 8 NO RESPONSE 9	

This ends the interview. Thank you very much for your time.

CURRICULUM VITAE

SIDHARTHA MAN TULADHAR

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Fax: 977-1-419562

Residence Phone: 425227

EDUCATIONAL QUALIFICATIONS

- | | | |
|---|------|---|
| Tribhuvan University
Kathmandu, Nepal | 1977 | M.Sc. (Physics) |
| University of Florida
Gainsville, Florida, USA | 1981 | One Semester Course in Alternative Energy Technology. Course included the application of Solar Energy, Wind Energy, Biomass, etc. |

WORK EXPERIENCE

Experiences in New ERA include the working in the following projects in different capacities.

- | | |
|--------------------------------|---|
| May 2000 to Present | Project Director: "Estimation of Sex Workers and Behavioral Sentinel Surveillance Survey of Sex Workers in Kathmandu Area." This study will try to estimate for the first time the size of Sex Workers in Kathmandu and mapping of Sex workers' solicitating area in Kathmandu. Responsibilities: Overall responsibility of the study including: Research design, adopt methodology to recruit sex workers and the client, training of interviewers, data analysis and preparation of report and dissemination of the research findings. (AIDSCAP/Nepal) |
| August 2000 to June 2000 | Project Director: "Behavioral Sentinel Surveillance Survey in the Highway Route of Nepal Round 3" Third Cycle of BSS. Responsibilities: Overall responsibility of the study including: Research design, adopt methodology to recruit sex workers and the client, training of interviewers, data analysis and preparation of report and dissemination of the research findings. (AIDSCAP/Nepal) |
| August 1999 to July 2000 | Project Director: "Behavioral Sentinel Surveillance Survey in the Highway Route of Nepal Round 2" Second Cycle of BSS. Responsibilities: Overall responsibility of the study including: Research design, adopt methodology to recruit sex workers and the client, training of interviewers, data analysis and preparation of report and dissemination of the research findings. (AIDSCAP/Nepal) |
| January 1999 to March 1999 | Project Associate: "A Study on Health Care Providers (HCPs) STD Case Management" Responsibilities: Research Design, Training of Field researchers, part data analysis, part report writing. (AIDSCAP/Nepal) |
| November 1998 to December 2000 | Project Director: "STD and HIV Prevalence Survey Among Female Sex Workers and Truckers on Highway Routes in the India Border Area of Nepal". Responsibilities: Research design, adopt methodology to recruit sex workers and the truckers, training of interviewers, management of serum collection by establishment of mobile lab in the rural area of Nepal, data analysis and preparation of report and dissemination of the research findings. (AIDSCAP/Nepal) |

- January 1998 to October 1998 **Project Director:** "Behavioral Sentinel Surveillance Survey in the Highway Route of Nepal Round 1". This survey is first of the five cycles of the annual behavioural survey high risk groups – sex workers and their clients along the major high way route of Nepal. Responsibilities: Overall responsibility of the study including: Research design, adopt methodology to recruit sex workers and the client, training of interviewers, data analysis and preparation of report and dissemination of the research findings. (AIDSCAP/Nepal)
- February 1997 to August 1998 **Study Coordinator:** "Forest Products Market/Enterprise" Responsible for co-ordination of study among the project partners. (Biodiversity Support Project/ Ban Udyam, New ERA)
- October 1996 to June 1997 **Project Associate:** "Chemists' STD Drug dispensing Behaviour and HIV Communication: An Evaluation of Training using Simulated STD Patients". Responsibility: Overall research design, methodology, training of interviewers, data analysis, finalization of report (AIDSCAP/Nepal)
- October 1996 to June 1998 **Project Coordinator:** A Situation Analysis of Sex Work and Trafficking in Nepal with Reference to Children. (Sponsored by UNICEF/Nepal. Responsibilities: Design of the Study, coordinating the field teams to 40 districts of Nepal, Design of Questionnaires, Training of the field researchers (special skills are imparted to the researchers on the technique of interviewing the commercial sexworkers), analysis of data and report writing.
- September 1996 – December 1996 **Project Associate:** "Community Forest Management with Relation to Population - A Case Study " FAO/Rome Responsibilities: Design of Survey and analysis of data and writing a part of report.
- June 1996 -August 1996 **Project Director:** "Rapid Qualitative Assessment of AIDSCAP Effects on Behavior Change Among Commercial Sex Workers and their Clients".(Sponsored by AIDSCAP/Nepal). Responsibilities: Over responsibility of the Study including : design research methodology, training of interviewers, data analysis, report writing, etc.
- January 1996 to March, 1996 **Project Director:** "A Baseline Study of Simulated STD Patients and Chemists in the Land Transportation Routes from Naubise to Janakpur and Birgunj"(Sponsored by AIDSCAP/Nepal). Responsibilities: Over responsibility of the Study including : design research methodology, training of interviewers, data analysis, report writing, etc.
- July 1995 to September 1995 **Project Associate:** "Achievement Study :Basic and Primary Education Project". Sponsored by BPEP. The objective of the study is to assess achievement of Primary School Children, and identify the learning influencing factors. Methodology used to collect data - Survey of 126 schools in 8 districts and conduct FGD.
- January, 1995 to June, 1995 **Project Director:** "Users Survey of Biogas Plants in Nepal" (sponsored by SNV/N) Responsibilities: Design of research methodology, data analysis, training of interviewers and report writing. This study is an evaluation of the Biogas plants installed in different part of Nepal.
- January 1985 to December, 1987 **Project Director:** "Turbine Driven Agro-processing Project (sponsored by AT International, USA). This is an action-research project conducted in Ramchakhola Watershed in Lamjung District (Western Nepal). The aim of this project is to establish a water turbine mill and make it a commercial enterprise through the participation of local people. The

ultimate of the project is to make the local people self-reliant. Responsibilities include research design, coordination of related government offices, agencies, turbine mill manufacturing workshops, consultants and local people to make a plan of action, motivation of local people to articulate in the project implementation; monitoring the project; training of the project staff, etc.

September 1986 to
December 1987

Village Technologist: "Socio-economic Survey for Soil and Water Conservation in Bagmati Watershed Area Project" (sponsored by EEC/IDC). Responsibilities: as a project associate of this project are to make an inventory and assessment of the village technologies available in the project area (42 panchayats of five districts); to recommend in the improvement of existing technologies and to suggest socially-acceptable village technologies; to outline a system of monitoring and evaluating the success and progress of the action program propose

January 1984 to
December 1984

Project Director: "Evaluative Study of Biogas Plants in Nepal" (sponsored by UNICEF/Nepal). Responsibilities ties: Design of research methodology, data analysis, training of enumerators, and report writing. This study is one of the comprehensive study of the situation of Biogas plants in Nepal--Biogas technology and economy. The study also makes recommendations for the better planning of the Biogas programmes in Nepal.

June 1983 to
January 1984

Project Director: "Baseline Survey of Basic Needs in Local Development" (sponsored by UNICEF/Nepal). Responsibilities: Design of research methodology, training of the enumerators, data analysis, and report writing. This survey was conducted in four districts to establish a baseline and a basis for implementation of BSLD program.

December 1982 to
May, 1983

Project Director: "Study on Status of the Rural Blacksmithy in Eastern Nepal" (sponsored by UNIDO/Vienna). Responsibilities: Design of research methodology, overall supervision of the project, framing of questionnaires, training of enumerators, supervision of field staff, data analysis and report writing. This study was conducted to assess the situation of hill blacksmiths--their technology, marketing of the projects, and the economy, and to recommend for the improvements in production technology and upgrading of the smiths.

August 1982 to
December 1982

Survey Coordinator: "Sanitation in Khokana: A Baseline Health Survey and Sanitation Campaign in Khokana" (sponsored by UNICEF/N). Responsibilities: Designing of the research, supervision in framing of questionnaire, training of enumerators, data analysis and writing report; organizing campaign on sanitation and health in Khokana.

June 1982 to
August, 1982

Consultant: "Evaluation of the Private Toilet and Tap Program in the Bhaktapur Development Project (BDP) (sponsored by GTZ). As a consultant to the project, responsibilities were to assist and train the BDP Evaluation Unit Staff to conduct evaluation study and including report writing.

1982

Research Supervisor: "Baseline Survey for Community Forestry Development Project--a project of HMG/FAO/World Bank" (sponsored by CFDP). Responsibilities: Supervision of field staff and data collection. This survey was conducted to establish a baseline enabling CFDP to monitor and evaluate its programmes.

- 1981 **Research Officer:** "Study on Inter-regional Migration in Nepal" (sponsored by National Commission on Population, Kathmandu). Responsibilities included the coordination of the consultants, data collection, assist in report preparation
- 1980 **Assistant Research Officer:** "Study on Evaluation of Education Skill Training and Manpower Development Training Program" (sponsored by USAID/Nepal). Responsibilities: interviewing with the trainees returned from USA who are now mostly in higher position of the HMG offices, data analysis and assist in report writing.
- 1980 **Senior Research Assistant:** "Impact of FAO Assisted World Food Program/in Resettlement Program in Nepal" (sponsored by FAO/Rome). Responsibilities: data collection.
- March 1979 to August 1980 **Research Supervisor:** "Population Education in Organized Sector" (sponsored by Labour Department, HMG). Responsibilities: Framing of questionnaires, training of enumerators, data analysis and report writing.
- 1978 to 1979 **Research Assistant:** "Study on Radio for School Broadcasting in Nepal" (sponsored by UNICEF/N). Responsibilities: framing of questionnaires, supervision of data tabulation, field data collection, data analysis and assist in report writing. This study was carried out to determine the effectiveness of radio broadcasting for primary grades.
- 1978 **Research Assistant:** "Study of Water Supply and Sanitation as Components of Primary Health Care in Nepal" (sponsored by UNICEF/WHO). Responsibilities: data collection.
- 1977 to 1978 **Research Assistant:** "Study of Impact of Free Textbook distribution Program in Primary School Enrollment" (sponsored by UNICEF/N). Responsibilities: framing of questionnaires, data collection, data analysis and assist in report writing; and writing of report of case studies schools.

OTHER WORK EXPERIENCES

Research Team Member and Photographer: In an evaluative study "Socio- economic and Environmental Changes in Some Villages of Palpa District". Conducted by New ERA for Tinau Watershed Project (January 1985 to March 1985). Responsibilities included the photographic documentation of environmental changes brought by the implementation of Tinau Watershed Project.

Technical Editor: In "Traditional Technology of Nepal: A Survey of Eight Technologies". This was carried out for the Research Center for Applied Science and Technology (RECAST), Kirtipur, Kathmandu.

National Development Service (NDS) Volunteer: As a partial fulfillment of M.Sc. Degree, spent 10 months 1975) in village of Dhikur Pokhari Panchayat in Kaski district.

SEMINAR AND WORKSHOPS ATTENDED

- 1981 USAID/Nepal Evaluation Workshop (March 18 and 19).
- 1983 Family Planning Operations Research Workshop (February 27-March 4), Organized by Population Council/Bangkok and National Commission on Population, Kathmandu.

- 1985 Seminar on Biogas - Problems and Policy (October 1). Organized by Water and Energy Commission Secretariat, Kathmandu.
- 1985 National Seminar on Application of Science and Technology for Rural Development in Nepal (November 4-6). Organized by Research Center for Applied Science and Technology, Kathmandu.
- 1986 Workshop on Usefulness and Maintenance of Turbine Mill (June 4 and 5). Organized by Development and Consulting Services, Butwal.
- 1996 Task Force Meeting on Community Forest Management with Relation to Population, Bangkok, Thailand. (November 1 - 7, 1996)
- 1997 HIV risk behavioral surveillance: country examples, lessons learned, and recommendations for the future, Bangkok, Thailand (August 11 - 14, 1997)

THESIS

Spheric Level Measurement in Kathmandu--A thesis submitted in partial fulfillment of the requirements for the Degree of Science in Physics to Physics Instruction Committee, Institute of Science, Tribhuvan University, Kathmandu, 1977.

ASSOCIATION WITH NEW ERA

Joined New ERA, a non-profit research organization, in October 1977 and currently a permanent staff with the designation of Research Officer. Presently Member of Board of Directors and Member of Executive Committee.

TRAVEL

Within Nepal - In course of project work, travelled more than 50 districts.

Outside Nepal - USA, Thailand and India

OTHER EXPERIENCES

1. Worked with Greenpeace in Amherst, MA, USA as a fundraiser in 1989 -1990
2. Computer Knowledge:
 - Internet (FTP, Gopher, Email,etc.).data and information retrieval, library search by theuse of internet,
 - Most of Windows and DOS based softwares including Statiscal Package SPSS, Database, Spreadsheet, Wordprocessing.
3. Worked in different capacities while seven-years stay in USA.

HOBBIES

Philately (specialise in Tibet and Nepal), Numismatics, Photography and Videography