

Key population quantitative questionnaires

Introduction:

Hello, We are conducting a survey mainly to investigate your awareness of health knowledge, attitude and behavior. It may involve some of your privacy, but the content of your answers will be kept strictly confidential. We only use these questionnaires to do population analyses, not to do personal analyses. We won't disclose your information to any other individuals or organizations. So we hope you answer the following questions truthfully. This investigation will take you some time. We have to say sorry for any convenience caused. Thank you for your support.

Questionnaire based information

No. **Questions and options**

A01 **Survey location:** _____ province (municipality) _____ city/district/county

A02 **Informed consent:** _____ (Yes/No)

A03 **Questionnaire number** □□□□□□□□□□

(administrative division GB code + investigation object category + investigation object number)

A04 **Number of cohort surveys** ①Baseline ②First follow-up

A05 **Investigation date** date: _____

A06 **Working Venue**

①sauna/bath center ②nightclub ③Karaoke bar/ dance halls/ pub-bar ④high-cost hotel ⑤ mid-ranking hotels ⑥rental house/client's house
⑦foot bath salon/hair salon ⑧shop/small restaurant ⑨ street/roadside/park ⑩others (please note: _____)

A07 **The investigation site:**

①Urban area (county or city) ②Urban-rural fringe ③ villages and towns ④village

Socio-demographic, behavioural and psychological questions

No.	Questions and options	Answers
B01	Your birthday? ___ year ___ month ___ day	
B02	Your marital status? ① unmarried ② married ③ cohabit ④ divorced or widowed	
B03	You registered residence? ① local province ② outside Guangxi province (please note: _____) ③ other country (please note: _____ country)	
B04	Your nationality?	
B05	What is your degree of education? ① Illiteracy or semi-literate ② Primary school ③ Middle school ④ High school/ technical secondary school/ vocational high school ⑤ Junior college and above ⑥ Graduate degree and above	
B06	How long have you ever been working in this county or city ? ① >=12 months ② 6 -11 months ③ 1-6 months ④ 1<months	
B07	Where were your last working place ? ① Outside province ② Local province but outside this city ③ Local city ④ None	
B08	How many months have you been doing this work (commercial sexual service) in total?	_____ month(s)
B09	How many months do you usually do this work in a city (or county) ?	_____ month(s)

HIV/AIDS knowledge		
C01	Is AIDS a serious infectious disease with no cure? ①Yes ②No ③ I don't know	
C02	Is sexual transmission the main mode of HIV transmission in China? ①Yes ②No ③ I don't know	
C03	Can you tell if someone is infected HIV from the appearance of their genitals? ①Yes ②No ③ I don't know	
C04	Does it increase the risk of HIV infection if someone has a sexually transmitted disease? ①Yes ②No ③ I don't know	
C05	Can condom use reduce the risk of infecting and transmitting HIV? ①Yes ②No ③ I don't know	
C06	Does new type of drug use (such as methamphetamine, ecstasy, ketamine, etc.) increase the risk of HIV infection? ①Yes ②No ③ I don't know	
C07	Should someone actively seek HIV testing and counseling after high risk behaviors (needle sharing, drug use, unsafe sex, etc.)? ①Yes ②No ③ I don't know	
C8	Is there legal liability for intentionally spreading HIV? ①Yes ②No ③ I don't know	
Sexual behaviour characteristics		
D01	How old were you when you first started sexual life ?	_____years old
D02	How old were you when you first engaged in commercial sex ?	_____years old
D03	Did your clients use condom in the last commercial sex ? ①Yes ②No	

D04	Last a month, how often do your clients use condoms ? ①Never ②Sometimes ③Every time	
D05	How many clients did you serve on the last working day ?	_____ individual(s)
D05-01	How many regular commercial sexual partners among them ?	_____ individual(s)
D06	How many clients did you serve last week ?	_____ individual(s)
D06-01	How many regular commercial sexual partners among them ?	_____ individual(s)
D07	How many clients did you serve last month ?	_____ individual(s)
D07-01	How many regular commercial sexual partners among them ?	_____ individual(s)
D08	How much do you charge for a commercial sex in average ?	_____ RMB(Yuan)
D09	How much do you charge for a commercial sexual behavior without condom? (If never, please note “No”)	①_____ RMB(Yuan) ② No
D10	How much do you charge for a commercial sex with condom?	_____ RMB(Yuan)
D11	How much is your annual income working as a female sex worker ?	_____ RMB(Yuan)
D12	In the past six month, how did you look for clients? (multiple choices) ① In a fixed venues (including saunas place, nightclubs, bars, hotels, hair salons, roadside shops, etc.) ② Telephone appointment or door-to-door service ③ Internet (including QQ, Wechat, Momo, website,etc.)	Choices: _____, Main choices: _____ (simple choice)
D13	What’s the average age of your male clients? ① under 29 ②30-49 years old ③over 50 year old	

D14	Whether your clients have taken aphrodisiacs before you served them ? ①No (Skip to D17) ②sometimes ③Usually	
D15	What are the age of the clients who use aphrodisiacs (or use other aphrodisiac tool)? (multiple choices) ①Under 40 ②40-50 years old ③50-60 years old ④60-70 years ⑤more than 70 years old ⑥unknown	
D16	Did you think it was effective after they use aphrodisiacs? ①No ②Yes ③Unknown	
D17	Do you have a regular, non-commercial sexual partners? ①Yes, _____individual(s) ② No (Skip to E01)	
D18-01	Where are your non-commercial sexual partners come from?_____ (County or viliage)	
D18-02	How many times does he look for you in a month? ① less than once a month ② once or twice a month ③ 3-5 times a month ④ more than 5 but less than 9 times a month ⑤ more than 10 times a month	
Following questions only ask if participant was married or cohabiting with a boyfriend		
E01	How often have you sex with your spouse or boyfriend ? ①more than one time a week ② less than one time a week ③never	
E02	How often do your spouse or boyfriend use condom when you have sex with him ? ①never ② sometime ③every time	
HIV-risk behaviour		
F01	Do you use any illicit drug? Or have you ever used illicit drug ? (Including heroin, cocaine, opium, marijuana, morphine, methamphetamine, doloretine, K powder (ketamine), ecstasy, and cannabis) ①Yes ②No	
F02	Do you inject illicit drug? Or have you ever injected illicit drug ? ①Yes ②No	
F03	How many times did you inject illicit drug a day in average ? _____ times	

F04	Did you share needles with others when you inject illicit drug ? ①Yes ②No	
F05	How often did you share needles with others when you inject illicit drug in the past six months? ①Never ②Sometime ③Every time	
Psychological variables		
G01	Do you perceive the risk of HIV infection as a female sex worker ? ①very likely ②likely ③unlikely ④very unlikely	
G02	Do you perceive the vulnerability of HIV/STI infection as a female sex worker ? ①very likely ②likely ③unlikely ④very unlikely	
G03	What are you fear of as a female sex worker ? (multiple optional) ① infected HIV ②infected STIs ③ Clients don't give money ④ Police arrest ⑤Families or acquaintances know my work ⑥ Others	
HIV testing (self-reported)		
H01	Have you been diagnosed with a sexually transmitted disease in the past year? ①Yes ②No (Skip to H03)	
H02	What kinds of STDs have you been diagnosed with in the past year? (Multiple options) ①gonorrhea ②syphilis ③Genital tract Chlamydia trachomatis infection ④condyloma acuminatum ⑤genital herpes ⑥Others_____	
H03	Have you ever taken a HIV test (blood donations not included) in the preceding year ? ①Yes ②No (Skip to J01)	
H04	What's the date of the HIV test in the preceding year ? _____year_____month_____day	
H05	Where did you take the HIV test in the preceding year ? ①Local area ②Other places_____	

H06	What's the result of the HIV test in the preceding year ? ①Negative ②Positive ③ I don't know	
HIV-related services		
I01	Have you ever received free AIDS education and condom distribution services in the past year ? ①Yes ②No	
I02	Have you ever received free illicit drug maintenance therapy or clean needles provided by community or the local CDC in the past year ? ①Yes ②No	
I03	Have you ever received peer education services from the local CDC in the past year ? ①Yes ②No	
This the end of the investigation. Thank you for your cooperation. To understand your sexual health, we would like to collect your 5ml blood for HIV, syphilis and hepatitis C test. The test is free for you, and we will tell you the result of the test.		
J01	Would you like to donate blood and be tested for sexual transmitted disease after the investigation ? ①Yes ②No	
J02a	Have you ever tested positive for HIV before ? ①Yes ②No (Skip to J03)	
J02b	If yes, what was the earliest date of the positive test ?	Date: _____
The following questions should be filled out by the investigator based on the test results.		
J03	HIV antibody test results	
	First ELISA screening ①Positive ②Negative	
	Second ELISA recheck ①Positive ②Negative	
	Confirmed test ①Positive ②Negative ③Suspicious ④No detected	
J04	Syphilis test result	

	ELISA screening	①Positive	②Negative	
	RPR/TRUST detection	①Positive	②Negative	
J05	HCV test result			
	First ELISA screening	①Positive	②Negative	
	Second ELISA re-test	①Positive	②Negative	

The questionnaire quality control table

Item	Completion situation		Note
	Yes	No	
Specification, clear			
All questions were answered, no leakage			
No logical errors			

Note: Please put “√” in accord with the options

Investigator sign: _____

Investigation date: _____

Quality control supervisor sign: _____

Date: _____