

**Identification of behavioral and clinical predictors of early  
HIV infection  
(Project DETECT)**

**Attachment 6a**

**Phase 1 Enrollment Survey A (English)**

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FP-1 UW Study ID: \_\_\_\_\_

FP-2 CDC Study ID: \_\_\_\_\_

FP-3 Visit Date: MM/DD/YYYY

FP-4 HIV status:

HIV-negative/unknown

Established Chronic HIV infection – diagnosis >3 months ago

Newly Diagnosed Chronic HIV infection – diagnosed in last 3 months

Acute HIV infection

HIV-positive, timing unknown

## CONSENT

We've already discussed the following two questions with you but would like to document your answers electronically. If you have any questions about what we're asking, please talk to study staff before responding.

**CT-1** Do you agree to take part in the study?

Yes

No

**CT-2** We ask you to agree to freeze part of the blood and oral fluid specimens you give us at the CDC for future use. We may use these samples for research in the future. Nothing that could be linked to you will be kept with the blood. We are not sure what studies might be done in the future. They might include standard tests as done at hospitals, tests for HIV or other viruses or on your immune system (ability to fight infection). We will not test for genetic problems or use the blood for cloning or commercial purposes.

I give consent for my blood to be stored at CDC for the future use as outlined above.

I DO NOT give consent for my blood to be stored at CDC for future research.

*If CT-1 or CT-2 = No, participant has declined participation in the study. Screen will say, "Please pause the survey here and talk to study staff." Study staff will discuss the responses with the participant and address any questions or concerns. If participant does not want to participate, study staff will end the survey and withdraw participant from the study. If participant does want to participate and responded inaccurately for any reason, study staff will help the participant navigate back to these questions and answer them correctly, so the participant can proceed with the remainder of the survey.*

## SOCIODEMOGRAPHICS 1

In this first set of questions, we would like to know how you describe yourself.

SU-1 Are you male, female or transgender?

Male

Female

Transgender Male to Female  
Transgender Female to Male

SU-2 In the past year, have you had sex with males, females, or both males and females?

Sex includes any oral, anal or vaginal sex.

Males only

Females only

Both Males and Females

Have not had sex in the last year.

### **MEDICAL CARE AND HIV TESTING**

The next set of questions will ask you about where you get medical care and where and how often you have been tested for HIV.

HT-1 Do you have a regular health care provider?

Yes

No

HT-2 [*If SU-1 = Male, Transgender Male to Female, or Transgender Female to Male AND SU-2 = Males only or Both Males and Females:*] Does your regular health care provider know that you have sex with men?

Yes

No

HT-3 In the past 12 months, approximately how many times have you seen a healthcare provider?

0 times

1-4 times

5-9 times

10 times or more

Don't know

[*HIV-negative/unknown participants only:*]

HT-4 Have you ever had an HIV test before today?

Yes

No

[*If HT-4 = Yes:*] HT-5 How do you usually decide when to test for HIV? Choose the one that best fits how you currently decide to test.

On a regular schedule

After being exposed to HIV

Between sex partners

When I have symptoms of HIV

When I have symptoms of STDs other than HIV

When it's free and convenient

Other: \_\_\_\_\_

HT-6 About how often do you test for HIV?

- Every month
- Every 3 months
- Every 6 months
- Once a year
- Once every 2 years
- Other: \_\_\_\_\_

HT-7 What is the main reason you're getting an HIV test today?

- I get tested on a regular schedule and it was time for me to get tested again
- I was worried I might have been exposed to HIV
- Before having sex with someone new
- I had sex with someone new
- After stopping having sex someone
- I have symptoms of HIV
- I have symptoms of STDs other than HIV
- My doctor recommended that I get tested
- It's free and convenient
- Other: \_\_\_\_\_

HT-8 In the past 12 months, that is, since *[insert calculated month and year]*, how many times have you been tested for HIV?

\_\_\_ \_\_\_ Number of times (0 to N)

HT-9 When was the last time you tested for HIV?

MM/YYYY

HT-10 When you last had an HIV test, what was the result?

- Positive
- Negative
- Unknown

*[If HT-10 = Negative/Unknown:]* HT-11 Have you ever tested HIV positive?

- Yes
- No
- Unsure

*[If HT-10 = Positive:]*

HT-12 Was that your first positive HIV test?

- Yes
- No
- Unsure

[If HT-12 = No OR FP-4 indicates positive:]

HT-19 What was your last viral load? If you were told that your viral load was undetectable OR detectable but so low that the test cannot tell you the actual number, please check “Undetectable”.

- Undetectable
- Detectable
- Do not know

### **PRE-EXPOSURE PROPHYLAXIS**

[Ask section of everyone except those HIV Positive with first positive test > 3 months ago.]

This next set of questions is about your experiences taking HIV medicines to prevent yourself from getting HIV. This can also be called Pre-Exposure Prophylaxis or PrEP.

PR-1 In the last 3 months (since [current month/year – 3 months]) have you taken HIV medicines to prevent yourself from getting HIV?

- Yes
- No
- Don't remember

[If PR-1 = Yes:] PR-2 Are you currently taking medicines to prevent yourself from getting HIV?

- Yes
- No

[If PR-1 = Yes:] PR-3 When did you last start taking HIV medicines to prevent yourself from getting HIV?

- MM/YYYY
- Don't know

[If PR-1 = Yes and PR-2 = No:] PR-4 When did you last stop taking HIV medicines to prevent yourself from getting HIV?

- MM/YYYY
- Don't know

### **STD HISTORY**

The next set of questions will ask about sexually transmitted infections other than HIV that you may have had in the last 3 months.

SD-1 In the last 3 months has a health care provider told you that you had an STD other than HIV?

- Yes
- No

SD-2 You said a healthcare provider told you that you had an STD in the last 3 months. Which one(s)? Check all that apply:

- a. Gonorrhea

- b. Chlamydia
- c. Syphilis
- d. Other

[If SD-2 = Other:] SD-3 Other Specify (Text field)

**SYMPTOMS**

[Ask section of everyone except “Established Chronic HIV infection”.]

The next set of questions will ask about symptoms like fever or a sore throat that you may have had in the last 3 months.

SY-1 In the past 3 months (that is, since *insert date*) have you had any of these symptoms? Check all that apply.

- a. Sore throat
- b. Fever
- c. Nausea
- d. Vomiting
- e. Diarrhea
- f. Headache
- g. Fatigue
- h. Soreness or pain in your joints
- i. Soreness or pain in your lymph nodes
- j. Body Rash
- k. I haven’t experienced any of these symptoms in the last 3 months

*For any checked symptoms:*

SY-2a-SY-2j You said you had [*insert symptom*] in the past 3 months. Do you have [*insert symptom*] today?  
 Yes  
 No

SY-3a- SY-3j When did you first experience this symptom?  
 MM/DD/YYYY

[If SY-2a-SY-2j = No:] SY-4a-SY4j When did you last experience this symptom?  
 MM/DD/YYYY

*If reported any symptoms:*

SY-5 Did you come here today because of your symptom(s)?  
 Yes  
 No

SY-6 Did you go to a doctor or health care provider before today because of your symptom(s)?  
 Yes

No

[If SY-6 = Yes:] SY-7 Did you get tested for HIV when you went to the doctor?

Yes

No

I don't know

[If SY-6 = Yes:] SY-8 Did the doctor or another health care provider talk to you about testing for acute HIV infection and the "window period" for HIV tests?

Yes

No

[If SY-7 = Yes:] SY-9 What type(s) of HIV tests did they do at the doctor's? Check all that apply.

Rapid test on oral fluid

Rapid test on finger stick

Blood draw for other HIV test

I don't know

SY-10 Did you miss work or school because of your symptom(s)?

Yes

No

[If SY-6=Yes:] SY-11 Were you hospitalized because of your symptom(s)?

Yes

No

[If SY-5=No and SY-6=No:] SY-12 What were the reason(s) you did not go to the doctor for your symptom(s)? Check all that apply.

I didn't know where to go

I was worried about how much it might cost

I didn't know my symptoms could be a sign of HIV infection

I thought I had the flu

I wanted to wait to get my regular HIV test

I wanted to wait until after the "window period"

Other

## **SUBSTANCE USE**

The next set of questions is about drugs that weren't prescribed for you by a doctor, sometimes called recreational drugs, that you have taken in the last 3 months.

DU -1 Have you used poppers in the last 3 months?

Yes

No

[If DU-1=NO:] DU-2 Have you ever used poppers?

- Yes
- No

DU-3 In the last 3 months have you injected drugs other than those prescribed by a medical provider?

- Yes
- No

[If DU-3 = NO:] DU-4 Have you ever injected drugs other than those prescribed by a medical provider?

- Yes
- No

[If DU-3=YES or DU-4= YES:] DU-5 Which drugs have you injected?

- Heroin
- Cocaine
- Methamphetamine (meth or crystal)
- Other

DU-6 In the last 3 months have you used cocaine?

- Yes
- No

[If DU-6=NO:] DU-7 Have you ever used cocaine?

- Yes
- No

DU-8 Have you used methamphetamine in the last 3 months?

- Yes
- No

[If DU-8=NO:] DU-9 Have you ever used methamphetamine (meth or crystal)?

- Yes
- No

DU-10 In the last 3 months, have you used Viagra, Cialis or Levitra?

- Yes
- No

[If DU-10=NO:] DU-11 Have you ever used Viagra, Cialis or Levitra?

- Yes
- No

## SEXUAL BEHAVIOR

We will now ask you some questions about sexual experiences you've had in the past 3 months. We only want to know about partners you had oral, anal or vaginal sex with since [*insert date from 3 months ago*].

Some questions will ask specifically about your sex partners' HIV status and what you did with partners who were HIV positive, HIV negative, and partners whose HIV status you did not know. We know you can't always be sure of a partner's HIV status. Please try to answer the questions based on what you knew and what your partners told you or did not tell you about their HIV status.

We know that it may be difficult to answer some of these questions if one or more of your sex partners do not identify as male or female, or if they are transgender. Except where we ask specifically about transgender partners, please include these sex partners in your responses to the questions about sex with either men or women, whichever you think is most appropriate.

We also know that how people refer to their genitals can be unique and personal. The following questions may use words that don't perfectly fit how you or your partners refer to your bodies. Please answer the questions about specific sex acts the best that you can.

*If SU-1 = Male or Male-to-Female AND SX-1 = "Only men", ask only Male Sex Partners of Men questions.*

*If SU-1 = Male or Male-to-Female AND SX-1 = "Only women", ask only Female Sex Partners of Men questions.*

*If SU-1 = Male or Male-to-Female AND SX-1 = "Both men and women", ask Female Sex Partners of Men questions first, followed by Male Sex Partner questions.*

*If SU-1 = Female or Female-to-Male and SX-1 = "Only men" or "Both men and women", ask Male Sex Partners of Women questions.*

*If SX-1 = "Nobody" OR SU-1 = Female or Female-to-Male and "Only women", skip all remaining sexual behaviour questions.*

### **Female Sex Partners of Men**

The next questions are about women you had vaginal or anal sex with in the past 3 months. "Vaginal sex" means you put your penis in her vagina. "Anal sex" means you put your penis in her butt.

FX-1. In the past 3 months, with how many different women did you have vaginal or anal sex?

\_\_\_ \_\_\_ Number of women (1 to N)

77 I prefer not to answer

FX-2. With how many of these [FX-1] women did you have vaginal or anal sex without using a condom or not using it the whole time?

\_\_\_ \_\_\_ Number of women (0 to N)

I prefer not to answer

*Check to make sure  $FX-1 \leq FX-2$ . If not, then display “The number of women you had sex without using a condom or not using it the whole time cannot be more than the number of women you had vaginal or anal sex with in the past 3 months. Please carefully re-enter your response.”, and loop back to enter the number.*

FX-3. In the past 3 months, how many of these [FX-2] women you had vaginal or anal sex without using a condom were:

HIV positive? \_\_\_ \_\_\_ Number of women (0 to N)

HIV negative? \_\_\_ \_\_\_ Number of women (0 to N)

Women whose HIV status you did not know? \_\_\_ \_\_\_ (0 to N)

I prefer not to answer

*Check to make sure that the numbers in FX-3 add up to the total N from FX-2. If not, then display “The number of HIV positive, HIV negative and HIV status unknown partners must add up to [FX-2]. Please carefully re-enter your responses.”, and loop back to enter the numbers.*

### **Male Sex Partners of Women**

The next questions are about men you had vaginal or anal sex with in the past 3 months.

“Vaginal sex” means he put his penis in your vagina. “Anal sex” means he put his penis in your butt.

FM-1. In the past 3 months, with how many different men did you have vaginal or anal sex?

\_\_\_ \_\_\_ Number of men (1 to N)

I prefer not to answer

FM-2. With how many of these [FM-1] women did you have vaginal or anal sex without using a condom or not using it the whole time?

\_\_\_ \_\_\_ Number of men (0 to N)

I prefer not to answer

*Check to make sure  $FM-1 \leq FM-2$ . If not, then display “The number of men you had sex without using a condom or not using it the whole time cannot be more than the number of men you had vaginal or anal sex with in the past 3 months. Please carefully re-enter your response.”, and loop back to enter the number.*

FM-3. In the past 3 months, how many of these [FM-2] men you had vaginal or anal sex without using a condom were:

HIV positive? \_\_\_ \_\_\_ Number of men (0 to N)

HIV negative? \_\_\_ \_\_\_ Number of men (0 to N)

Men whose HIV status you did not know? \_\_\_ \_\_\_ (0 to N)

I prefer not to answer

*Check to make sure that the numbers in FM-3 add up to the total N from FM-2. If not, then display “The number of HIV positive, HIV negative and HIV status unknown*

partners must add up to [FM-2]. Please carefully re-enter your responses.”, and loop back to enter the numbers.

FM-4. Did any of the [FM-1] men you had sex with in the last 3 months also have sex with men?

- Yes
- No
- Don't know

### **Male Sex Partners of Men**

The next questions are about men you had sex with in the past 3 months. “Oral sex” means you put your penis in his mouth, or he put his penis in your mouth. “Anal sex” means you put your penis in his butt, or he put his penis in your butt.

SX-1. In the past 3 months, with how many different men did you have oral or anal sex?

\_\_\_ \_\_\_ Number of men (1 to N)

I prefer not to answer

SX-2. In the past 3 months, with how many different men did you have anal sex?

\_\_\_ \_\_\_ Number of men (1 to SX-1)

I prefer not to answer

SX-3. In the past 3 months, of the (SX-2) men you had anal sex with, with how many different men did you have anal sex without a condom?

\_\_\_ \_\_\_ Number of men (1 to SX-2)

I prefer not to answer

The next few questions will ask about times you had sex with more than one man in the same encounter. For these questions, a threesome involves sex with you and two other men. Group sex involves sex with you and at least 3 other men. When the question asks about the number of partners you had during a threesome or group sex, please write the total number of different partners you had across all encounters.

GS-1: In the past 3 months, how many times did you have sex with more than one man in the same encounter? (Threesome or group sex)

\_\_\_ Number of events (times you had sex with more than one man in the same encounter)

I prefer not to answer

[If GS-1 > 0:] GS-2: In the past 3 months, how many times did you have sex with only two other men in the same encounter (a threesome)?

\_\_\_ Number of events (times you had a threesome) (0 to GS-1)

I prefer not to answer

[If GS-2 > 0:] GS-3: In the past 3 months, in these [GS-2] threesomes, with how many different men did you have anal sex?

\_\_\_ Total number of men with whom you had anal sex during a threesome (0 to SX-2)

I prefer not to answer

[If  $GS-3 > 0$ :] GS-4: In the past 3 months, of the [GS-3] men you had anal sex with during threesomes, with how many different men did you have anal sex without a condom?

\_\_\_ Total number of men with whom you had anal sex without a condom (0 to SX-3)

I prefer not to answer

[If  $GS-4 > 0$ :] GS-5: Of the [GS-4] men with whom you had anal sex without condoms during threesomes, how many were:

\_\_\_ HIV-Positive

\_\_\_ HIV-Negative

\_\_\_ Didn't know his/their HIV status

[If  $GS-1 > 0$  &  $GS-2 < GS-1$ :] GS-6: In the past 3 months, how many times did you have sex with 3 or more other men in the same encounter (group sex)?

\_\_\_ Number of events (times you had sex with three or more other men) (0 to GS-1)

I prefer not to answer

[If  $GS-6 > 0$ :] GS-7: In the past 3 months, in these [GS-6] times you had group sex (sex with 3 or more other men), with how many different men did you have anal sex?

\_\_\_ Total number of men with whom you had anal sex during group sex (0 to SX-2)

I prefer not to answer

[If  $GS-7 > 0$ :] GS-8: In the past 3 months, of the [GS-7] men you had anal sex with during group sex, with how many different men did you have anal sex without a condom?

\_\_\_ Total number of men with whom you had anal sex without a condom (0 to SX-3)

I prefer not to answer

[If  $GS-8 > 0$ :] GS-9: Of the [GS-8] men with whom you had anal sex without condoms during group sex, how many were:

\_\_\_ HIV-Positive

\_\_\_ HIV-Negative

\_\_\_ Didn't know his/their HIV status

In the next section we will ask you more about the SX-2 men you had anal sex with.

### **Partner-Specific Questions**

*If  $SX-2 = 1$  ask Partner 1 questions*

*If  $SX-2 = 2$  ask Partner 1 and Partner 2 questions*

*If  $SX-2 = 3$  ask Partner 1, Partner 2 and Partner 3 questions*

*If  $SX-2 \geq 4$  ask Partner 1, Partner 2, Partner 3 and Questions for  $\geq 4$  partners*

SX-4 Please enter a nickname or initials for the [insert number from SX-2 if  $< 3$ , or insert 3] most recent men you had anal sex with since [insert date from 3 months ago].

We do not want to know the names of your partners. Please choose a nickname or initials that you will remember and that will best help you identify that person.

*Display options below based on number from SX-2*

- a. Partner 1 \_\_\_\_\_
- b. Partner 2 \_\_\_\_\_
- c. Partner 3 \_\_\_\_\_

SX-5. For each sex partner listed, indicate, each month you had sex with that partner

*Calendar created as follows:*

*Each named partner has a row*

*Each of the last 3 months is provided in a column*

*Response is required in each row*

<b>Partner</b>	<b>Month 3 ago</b>	<b>Month 2 ago</b>	<b>Month current</b>
<b>Nickname 1</b>			
<b>NickName2</b>			
<b>NickName3</b>			

*Ask this question for any partners with overlap in SX-5:*

SX-6 You indicated that you had sex with both [partner X] and [partner Y] in the month of [Month Z].

Which of these statements about [Month Z] is most correct?

I last had sex with [partner X] before I had sex with [partner Y]

I last had sex with [partner Y] before I had sex with [partner X]

I was having sex with both [partner X] and [partner Y] during the same time period

Don't know

Thank you for telling us the months in which you had sex with your partners. The next page will ask some questions to help us better understand what you just told us about your sexual partnerships. Click Next to continue

SX-7 Did you have sex with [insert partner initials] once, or more than once during the last 3 months?

Once

More than once

*[If had sex "more than once", then the participant next completes the sections pertaining to dates of first and last sex].*

*[If had sex "once", then the participant is skipped to the "One-time partner" section].*

*"More than once"*

*Date of first sex*

SX-8 When did you first have anal sex with [insert partner initials]?

You may enter just the month and year, but if you know the exact date, please enter that instead.

If you are unsure of when you first had sex, try to select a time that you think is close. It is OK if you first had sex with *[insert partner initials]* longer than 3 months ago; we still would like to know the first time you had anal sex with him.

i: (drop-down box with months. “don’t know the month” is provided as option)

ii: (drop-down box with years) “don’t know the year” is provided as option)

OR

i: MM/DD/YYYY (calendar button)

*[ERROR: The time you first had sex with [insert partner initials] cannot be in the future. Please correct the date.]*

*[ERROR: Please select either the month and year OR the date you first had sex with [insert partner initials].]*

*[if year is selected as “don’t know the year”:]*

SX-8a. It’s OK if you can’t remember the exact year. Can you remember about how many years ago you first had sex with *[insert partner initials]*?

- Less than 1 year ago
- 1 – 2 years ago
- 2 – 5 years ago
- 5 – 10 years ago
- more than 10 years ago

*[if month is selected as “don’t know the month” but year is known:]*

SX-8b. It’s OK if you can’t remember the exact month. Think back to the time in [Year of first sex] when you first had sex with *[insert partner initials]*. Perhaps you had sex around a special time of the year such as your birthday, or a holiday like July 4th or Halloween. Maybe you can remember that it was warm outside or it was after a trip you took. Based on what you can recall, try to select what time during [Year of first sex] you first had sex with *[insert partner initials]*:

- January - March
- April - June
- July - September
- October - December
- Don't know when during the year

*[ERROR: The time during the year you indicated for when you first had sex with [insert partner initials] is in the future. Please correct this.]*

*Date of last sex*

SX-9 You indicated that you last had sex with *[insert partner initials]* in the month of *[month of last sex from SX-5]*. Is this correct?

- Yes
- No

*[If SX-9 = Yes:]* SX-10 Do you know the exact date on which you last had sex with *[insert partner initials]*?

- Yes

No

*[If SX-10 = Yes:] SX-11 Please enter the date: MM/DD/YYYY (calendar button)*

*[If SX-10 = No:] That's OK. The information that you have provided us with is still extremely helpful.*

*[If SX-9 = No:] SX-12 That's OK. Please correct our records about when you last had sex with [insert partner initials] using the spaces below. You may pick one of the last 3 months, but if you know the exact date, please enter that instead. If you are unsure of when you last had sex, try to select a time that you think might be close.*

*(drop-down box with the last 6 months. "don't know the month" is now not provided as option.)*

OR

*same date field as above:*

MM/DD/YYYY (calendar button)

*[ERROR: The date you last had sex with [insert partner initials] cannot be in the future. Please correct the date.]*

*[ERROR: Please select either the month and year OR the date you last had sex with [insert partner initials]]*

*[ERROR: The date you gave for the last time you had sex with [insert partner initials] is more than 6 months ago (before [insert date of first sex]). Please correct the date.]*

*[For one-time partners:]*

SX-13 Do you remember the exact date that you had sex with *[insert partner initials]*?

Yes

No

*[If SX-13 = Yes:] SX-14 What was the date that you had anal sex with [insert partner initials]?  
MM/DD/YYYY*

***For Each Partner:***

SX-15 Which of the following statements about *[insert partner initials]*'s age is most true?

He is more than 10 years younger than I am

He is 2-10 years younger than I am

He is within a year of my age

He is 2-10 years older than I am

He is more than 10 years older than I am

Don't know

SX-16 Is *[insert partner initials]* Hispanic?

Yes

No

Don't know

SX-17 What is [*insert partner initials*]'s race? Check all that apply.

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- White
- Don't know

SX-18 Is/was [*insert partner initials*] someone that you feel or felt committed to (someone you might call your boyfriend, significant other, life partner, or husband)?

- Yes
- No
- Don't know

SX-19 If you had to further describe the type of sex partner [*insert partner initials*] is/was, which of the following would you choose? Someone who ...

- is a primary sexual partner
- you have sex with on a regular basis, <i>but who is not a main or primary partner</i>
- you have had sexual contact with more than once, <i>but not on a regular basis</i>, and who you normally socialize with
- you have had sexual contact with more than once, <i>but not on a regular basis</i>, and who you don't socialize with
- you had sexual contact with only 1 time, but could find again if necessary
- you had never met before you had had sexual contact and never plan to see again
- you gave sex to for money or other goods or someone who gave you sex for money or other goods

SX-20 Where did you first meet [*insert partner initials*]?

- Through friends
- School or work
- Online
- Phone app
- Circuit party or Rave
- At church
- Through a personal ad in a newspaper
- On a telephone chat line or dating line
- Bar/Club
- Cruising area
- On the street
- Adult bookstore
- Bath house
- Sex club
- Sex resort
- Private sex party
- Sports club or gym
- Vacation or cruise

Social organization  
Other

*if “Internet”:*

SX-20b Through which online service did you first meet [*insert partner initials*]?

Facebook  
Craigslist  
Adam4Adam  
BarebackRT  
Manhunt  
OkCupid  
GuySpy  
FindFred  
Friendster  
MySpace  
Other, please specify: \_\_\_\_\_

*If “Phone app”:*

SX-20c Through which phone app did you first meet [*insert partner initials*]?

Grindr  
Scruff  
Jackd  
Hornet  
Adam4Adam  
Growlr  
GuySpy  
Skout  
BoyAhoy  
Other, please specify: \_\_\_\_\_

SX-21 Did you share your HIV status with [*insert partner initials*] before you first had sex?

Yes  
No  
Don't know

SX-22 Did [*insert partner initials*] share his HIV status with you before you first had sex?

Yes  
No  
Don't know

[*If SX-22 = Yes:*] SX-23 What was [*insert partner initials*]'s HIV status at that time?

HIV-negative  
HIV-positive

[*If SX-23 ≠ “HIV-positive”*] SX-24 To the best of your knowledge, what is [*insert partner initials*]'s HIV status today?

HIV-negative  
HIV-positive  
Don't know

*For HIV-negative partners:*

SX-25 To the best of your knowledge, is [*insert partner initials*] currently taking medicine to prevent himself from getting HIV? This might also be known as Pre-Exposure Prophylaxis or PrEP.

Yes  
No  
I don't know

*For HIV-positive partners:*

SX-26 To the best of your knowledge, is [*insert partner initials*] currently taking medicines for HIV?

Yes  
No  
I don't know

SX-27 To the best of your knowledge, does [*insert partner initials*] have an undetectable viral load?

Yes  
No  
I don't know

*For all partners:*

SX-28 In the past 3 months (since [*current month - 3*]), how many times did you and [*insert partner initials*] have anal sex?

\_\_\_ \_\_\_ Number of times (0 to N)

[If SX-28 = 1:] SX-29 When you had anal sex with [*partner initials*] did you have anal sex **without using a condom or not using it the whole time?**

Yes  
No

[If SX-28 > 1:] SX-30 In the past 3 months (since [*current month - 3*]), how many times did you and [*partner initials*] have anal sex **without using a condom or not using it the whole time?**

\_\_\_ \_\_\_ Number of times (0 to N)

[If SX-29 = Yes or SX-30 > 0:] SX-31 In the past 3 months (since [*current month - 3*]), when you and [*insert partner initials*] had anal sex without a condom were you the top (your penis in his butt), bottom (his penis in your butt) or both? Check only one.

Both top and bottom  
Top only  
Bottom only

[For repeat partners:]

SX-32 In the last 3 months (since [current month - 3]), during the time you were having sex with [insert partner initials], did [insert partner initials] have sex with anyone else?

- Yes
- No
- Don't know

The next few questions will ask about times you and [partner initials] had sex with at least one other man together in the same encounter. For these questions, a threesome involves sex with you, [partner initials], and one other man (a total of 3 men). Group sex involves sex with you, [partner initials], and at least 2 other men (a total of 4 or more men). When the question asks about the number of partners you had during a threesome or group sex, please write the total number of different partners you had across all encounters.

SX-33 In the last 3 months (since [current month - 3]), did you and [insert partner initials] ever have sex with other people in the same encounter? (Threesome or group sex)

- Yes
- No
- Don't know

[If SX-33 = "Yes":] GS-10: In the past 3 months how many times did you and [partner initials] have sex with only one other man in the same encounter (threesome)?

\_\_\_ Number of times (encounters involving sex with [partner initials] and 1 other man)

[If GS=10 > 0:] GS-11: Think of the most recent time you had a threesome with [partner initials].

Did anyone have anal sex during this threesome?

- Yes
- No

[If GS-11="Yes"] GS-12 Did anyone have anal sex without a condom during this threesome?

- Yes
- No

[If GS-12 ="Yes"] GS-13 Who had anal sex without a condom with each other in this threesome? Mark all that apply.

- I had anal sex without a condom with [partner initials]
- I had anal sex without a condom with the 3<sup>rd</sup> partner
- [Partner initials] had anal sex without a condom with the 3<sup>rd</sup> partner.

GS-14 What was the HIV status of the 3<sup>rd</sup> Partner?

- HIV-Positive
- HIV-Negative
- Didn't know his HIV status

[If SX-33 = “Yes”:] GS-15: In the past 3 months how many times did you and [partner initials] have sex with 2 or more other men in the same encounter (group sex)?

\_\_\_ Number of times (encounters involving sex with you, [partner initials] and 2+ other men)

[If GS-15 > 0:] GS-16: Think of the most recent time you had group sex with [partner initials] and at least two other men. How many men took part in this group sex encounter? Include [partner initials], but not yourself.

\_\_\_ Total number of men your last group sex encounter with [partner initials]

[If GS-16 > 0:] GS-17: Of these [GS-16] men involved in the last time you had group sex with [partner initials], how many were:

- \_\_\_ HIV-Positive
- \_\_\_ HIV-Negative
- \_\_\_ Didn’t know their HIV status

[If GS-16 > 0. Create table with columns for each partner mentioned in GS-16.] GS-18: In the table below, please mark which pairs of guys had anal sex without a condom during your most recent group sex encounter that included [partner initials].

	Partner initials	3rd	4th	Up to GS-16+1
You				
Partner initials				
3 <sup>rd</sup>				
4 <sup>th</sup>				
Up to GS-16 + 1				

SX-34 Was [insert partner initials] diagnosed with an STD in the last 3 months (since the beginning of [current month - 3])?

- Yes
- No
- Don’t know

[If 2 partners named:] SX-35 Did [insert partner 1 initials] and [insert partner 2 initials] have sex with each other in the last 3 months, or do you think they probably have?

- Yes
- No
- Don’t know

[If >2 partners named:] SX-36 If you know that two of these partners had sex with each other in the last 3 months, or think they probably have, click the box that matches both partners’ nicknames on the grid.

	Partner 1	Partner 2	Partner 3
Partner 1			

Partner 2	
Partner 3	

Thank you for telling us about [Partner X].  
 Next, we'd like to ask you about [Partner X+1].

*Partner 1 section replicated for partners 2 and 3, but excluded here for brevity.*

**Questions for ≥ 4 male sex partners**

The next questions are about the [(SX-2) – 3] men you had anal sex with in the past 3 months other than [*insert nicknames from SX-4*].

SX-37 Were any of the [(SX-2)-3] men you had anal sex with in the past 3 months someone that you feel or felt committed to (someone you might call your boyfriend, significant other, life partner, or husband)?

- Yes
- No
- Don't know

[*If SX-37 = Yes:*] SX-38 How many of the men you had anal sex with in the past 3 months were someone that you feel or felt committed to (someone you might call your boyfriend, significant other, life partner, or husband)?

\_\_\_ Number of partners

SX-39 If you had to further describe the type of sex partners for the other [(SX-2)-3] men you had anal sex with in the past 3 months, which of the following would you choose? Pick only one description for each partner, then place a number next to each partner type description. If none of your [(SX-2)-3] partners fit that description use a zero (0).

- \_\_\_ a primary sexual partner
- \_\_\_ you have sex with on a regular basis, *<i>but who is not a main or primary partner</i>*
- \_\_\_ you have had sexual contact with more than once, *<i>but not on a regular basis</i>*, and who you normally socialize with
- \_\_\_ you have had sexual contact with more than once, *<i>but not on a regular basis</i>*, and who you don't socialize with
- \_\_\_ you had sexual contact with only 1 time, but could find again if necessary
- \_\_\_ you had never met before you had had sexual contact and never plan to see again
- \_\_\_ you gave sex to for money or other goods or someone who gave you sex for money or other goods

*Check to make sure that the numbers in SX-39 add up to (SX-2) - 3. If not, then display "The number of partners must add up to [(SX-2) - 3]. Please carefully re-enter your responses.", and loop back to enter the numbers.*

SX-40. With how many of these [(SX-2) – 3] men did you have anal sex **without using a condom or not using it the whole time**?

\_\_\_ \_\_\_ Number of men (0 to N)

*Check to make sure  $SX-40 \leq (SX-2) - 3$ . If not, then display “The number of other men you had anal sex without using a condom cannot be more than the total number of men you had anal sex with in the past 3 months. Please carefully re-enter your response.”, and loop back to enter the number.*

SX-41. In the past 3 months, how many of these [SX-40] men that you had anal sex without using a condom were:

HIV positive? \_\_\_ \_\_\_ Number of men (0 to N)

HIV negative? \_\_\_ \_\_\_ Number of men (0 to N)

Men whose HIV status you did not know? \_\_\_ Number of men (0 to N)

*Check to make sure that the numbers in SX-41 add up to the total N from SX-40. If not, then display “The number of HIV positive, HIV negative and HIV status unknown partners must add up to [SX-40]. Please carefully re-enter your responses.”, and loop back to enter the numbers.*

## DEMOGRAPHICS 2

This next section will ask a few last questions about your work, income, and housing situation.

DE-1 What is the highest grade in school you completed?

Less than high school

Some high school

High school diploma or GED

Some college, Associate’s degree, or Technical degree

College graduate

Post graduate or professional school

I prefer not to answer

The next question is about your household income last year from all sources before taxes. That is, the total amount of money earned and shared by all people living in your household.

DE-2 Please choose if you would like to answer in terms of monthly income or yearly income:

\$ per month

\$ per year

DE-3 What was your household income last year from all sources before taxes?

0 to \$1667 per month

\$1668 to \$3333 per month

\$3334 to \$6250 per month

\$6251 or more per month

I prefer not to answer

I don't know

DE-4 What was your household income last year from all sources before taxes?

0 to \$19,999 per year

\$20,000 to \$39,999 per year

\$40,000 to \$74,999 per year

\$75,000 or more per year

I prefer not to answer

I don't know

DE-5 In the past 12 months, have you been homeless at any time? By homeless, I mean you were living on the street, in a shelter, a Single Room Occupancy hotel (SRO), temporarily staying with friends or relatives, or living in a car?

Yes

No

Don't know

[If DE-5 ≠ No:] DE-6 Are you currently homeless?

Yes

No

Don't know

DE-7 Do you currently have health insurance? (This includes Medicare, Medicaid, Apple Health, and others.)

Yes

No

Don't know