

Behavioral Assessment MSM (English)

Form Approved:
OMB No. 0920-0770
Expiration Date: XX/XX/XXXX

National HIV Behavioral Surveillance System: Core Questionnaire

MSM Cycle OMB Statement

Public reporting burden of this collection of information is estimated to average 24 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: CDC, Project Clearance Officer, 1600 Clifton Road, MS D-74, Atlanta, GA 30333, ATTN: PRA (0920-0770). Do not send the completed form to this address.

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NHBS ROUND 7 QUESTIONNAIRE

CORE INTRODUCTION (CI)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preset Variables	--	CYCLE	NHBS Cycle

Universe_CI. All Eligible Rs who consent to interview.

CI1_OMB. DISPLAY: Public reporting burden of this collection of information is estimated to average [if MSM cycle (CYCLE=1), fill with "24"; if IDU cycle (CYCLE EQ 2), fill with "43"; if HET cycle (CYCLE EQ 3), fill with "31"] minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: CDC, Project Clearance Officer, 1600 Clifton Road, MS D-74, Atlanta, GA 30333, ATTN: PRA (0920-0770). Do not send the completed form to this address.

CALC_START_C.

START_C Interview start time START_C = Current time

On one screen, DISPLAY: "GET READY TO BEGIN THE SURVEY."

On the next screen, DISPLAY:
 "Most people have never been in an interview like this one, so I'm going to describe how it works before we start. I will read you questions exactly as they are written. Some may sound awkward, but I need to read them as worded so everyone in the study is asked the same questions. Some questions will ask you to recall if you did something, when you did it, or how often you did it. For others, I'll read or show you a list of responses to choose from. Please be as accurate as you can."
 Then, go to END_CI.

INTRO_CORE.

END_CI. Go to Network Section (NS).

NHBS ROUND 7 QUESTIONNAIRE

NETWORK SECTION (NS)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preset variables	--	CYCLE	NHBS Cycle
Interviewer Entered Information	IE2	CITYR7	City
Interviewer Entered Information	IE10	ISEED	Respondent is a seed

UNIVERSE_NS. IDU or HET cycle eligible Rs who consent to interview.

CALC_BEGNS.

BEGNS Time at beginning of network section
 BEGNS = Current time

Check_INTRO_NS1. If IDU cycle (CYCLE EQ 2) & R is not a seed (IE10 EQ 0), go to INTRO_NS1.
 If IDU cycle (CYCLE EQ 2) & R is a seed (IE10 EQ 1), go to INTRO_NS2a.1.
 If HET cycle (CYCLE EQ 3) & R is not a seed (IE10 EQ 0), go to INTRO_NS3.
 If HET cycle (CYCLE EQ 3) & R is a seed (IE10 EQ 1), go to INTRO_NS4a.1.
 If MSM cycle (CYCLE EQ 1), go to CALC_ENDNS.

PWID Network Series (INTRO_NS1- Check Check_INTRO_NS3)

PWID Recruiter Relationship

INTRO_NS1. DISPLAY: "I'm going to start by asking you about the person who gave you this coupon and about other people you know in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)] who inject. Please remember that your answers will be kept private."

[Give Respondent Flashcard C.]

Which of the following describes how you know the person who gave you this coupon? You can choose more than one answer.

- NS1.** [READ choices. CHECK ALL that apply.]
- NS_IREL Relationship to recruiter, IDU
- NS_IRELA A relative or family member
- NS_IRELB A person you have sex with
- NS_IRELC A person you use drugs with or buy drugs from
- NS_IRELD A friend
- NS_IRELE An acquaintance, that is, a person you know but do not consider a friend
- NS_IRELF A stranger, you don't know the person or just met them

Refuse to Answer..... 77

HardEdit_NS1.	If recruiter was a stranger and some other relationship type (NS_IREF EQ 1 & NS_IREF>1), then DISPLAY: "INTERVIEWER: Respondent cannot choose stranger along with some other relationship type. Clarify respondent's relationship with their recruiter." Then, go back to NS1. Else, go to Check_NS1CONF.
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Check_NS1CONF.	If recruiter was a stranger (NS_IREF EQ 1), go to NS1CONF. If recruiter was not a stranger (NS_IREF NE 1), go to INTRO_NS2a.1.
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When and where did you first see this person?

NS1CONF. [INTERVIEWER: If the respondent indicates that he first saw the recruiter in a situation related to the project (e.g. receiving their coupon, waiting outside of the storefront, etc.), then check "Recruiter is a stranger".]

NS_RSTRI Confirmation: recruiter is a stranger

Recruiter is a stranger.....1.....

Recruiter is NOT a stranger.....2.....

Check_INTRO_NS2a.1.	If R does not confirm that his recruiter was a stranger (NS1CONF EQ 2), go back to NS1. If R confirms that his recruiter was a stranger (NS1CONF EQ 1), go to INTRO_NS2a.1.
----------------------------	--

PWID Network Size: First Loop

INTRO_NS2a.1.	DISPLAY: "Now, I'm going to ask you about people you know. Specifically, I'm going to ask you how many people you know in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)] who inject and whom you have seen in the past <u>30 days</u> . I will not ask you questions about any specific person."
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NS2a.1. Please tell me how many men in [if the project area is Norfolk (IE2 EQ 5720) fill with "Hampton Roads", else, fill with project area (city name from IE2)] **you know who inject and whom you have seen in the past 30 days.** [If R is not a seed (IE10 EQ 0), fill with "Please include the person who gave you the coupon if they are male."]

NS_IDUMA # male IDUs known: net size

Range.....0-7500.....

Don't Know.....9999.....

Refuse to Answer.....7777.....

NS2b.1. How many women in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project

area (city name from IE2)] **do you know who inject and whom you have seen in the past 30 days?** [If R is not a seed (IE10 EQ 0), fill with "Please include the person who gave you the coupon if they are female."]

NS_IDUFE # female IDUs known: net size

Range.....0.-7500.....

Don't Know.....9999.....

Refuse to Answer.....7777.....

Check_CALC_NSC_IDUM If (NS2a.1 EQ DK or REF) & (NS2b.1 EQ DK or REF), go to CALC_ENDNS.
 . Else, go to CALC_NSC_IDUM.

CALC_NSC_IDUM.

NSC_IDUM # male IDUs known: calculated
 net size NSC_IDUM = if(NS_IDUMA=.DK OR NS_IDUMA=.REF,0,NS_IDUMA)

CALC_NSC_IDUF.

NSC_IDUF # female IDUs known:
 calculated net size NSC_IDUF = if(NS_IDUFE=.DK OR NS_IDUFE=.REF,0,NS_IDUFE)

CALC_NSC_IDUS.

NSC_IDUS # IDUs known: calculated net
 size NSC_IDUS = NSC_IDUM+NSC_IDUF

Check_NS2CONFa. If NSC_IDUS EQ 0, go to NS2CONFa.
 If NSC_IDUS EQ 1, 2, or 3, go to NS2CONFb.
 If NSC_IDUS GT 3, go to NS2CONFc.

NS2CONFa. **You said you don't know anyone in** [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)] **who injects that you have seen in the past 30 days. Is this correct?** [If R is not a seed (IE10 EQ 0), fill with "Did you include the person who gave you the coupon?"]

NS_IZERO Confirmation: NSC_IDUS = 0

No - - DOES know other injectors.....0.....

Yes - - does NOT know any other injectors.....1.....

Check_NS2CONFb.	If R does not know any other injectors (NS2CONFa EQ 1), go to CALC_ENDDNS. If R does know other injectors (NS2CONFa EQ 0), DISPLAY: " INTERVIEWER: Please re-enter the correct network size." Then, go to NS2a.2.
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NS2CONFb. **Is there anyone else you know in** [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)] **who injects that you have seen in the past 30 days?** [If R is not a seed (IE10 EQ 0), fill with "Did you include the person who gave you the coupon?"]

NS_ILOWS Confirmation: NSC_IDUS < 4

No - - does NOT know any other injectors.....0.....

Yes - - DOES know more injectors.....1.....

Check_NS2CONFc.	If R does not know any other injectors (NS2CONFb EQ 0), go to CALC_ENDDNS. If R does know other injectors (NS2CONFb EQ1), DISPLAY: " INTERVIEWER: Please re-enter the correct network size." Then, go to NS2a.2.
------------------------	--

NS2CONFc. **So in the past 30 days, you've seen** [fill with NSC_IDUS] **people who you know inject and who live in** [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)]. **Would you say that** [fill with NSC_IDUS] **people is about right?**

NS_ICHECK Confirmation: NSC_IDUS correct

Yes, about right.....0.....

No, you actually know FEWER people who inject.....1.....

No, you actually know MORE people who inject.....2.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_NS2a.2.	If R knows fewer or more people who inject (NS2CONFc EQ 1 or 2), go to NS2a.2. Else, go to CALC_ENDDNS.
----------------------	--

PWID Network Size: Second Loop

NS2a.2. **Please tell me how many men in** [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)] **you know who inject and whom you have seen in the past 30 days.** [If R is not a seed (IE10 EQ 0), fill with "Please include the person who gave you the coupon if they are male."]

NS_IDUM2 # male IDUs known: net size, 2nd loop

Range.....0.-.7500.....
 Don't Know.....9999.....
 Refuse to Answer.....7777.....

How many women in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)] **do you know who inject and whom you have seen in the past 30 days?** [If R is not a seed (IE10 EQ 0), fill with "Please include the person who gave you the coupon if they are female."]

NS2b.2.

NS_IDUF2

female IDUs known: net size , 2nd loop

Range.....0.-.7500.....
 Don't Know.....9999.....
 Refuse to Answer.....7777.....

Check_CALC_NSC_IDUM2. If (NS2a.2 EQ DK or REF) & (NS2b.2 EQ DK or REF), go to CALC_ENDNS.
 Else, go to CALC_NSC_IDUM2.

CALC_NSC_IDUM2.

	# male IDUs known:	
NSC_IDUM	calculated net size	NSC_IDUM = if(NS_IDUM2=.DK OR NS_IDUM2=.REF,0,NS_IDUM2)

CALC_NSC_IDUF2.

	# female IDUs known:	
NSC_IDUF	calculated net size	NSC_IDUF = if(NS_IDUF2=.DK OR NS_IDUF2=.REF,0,NS_IDUF2)

CALC_NSC_IDUS2.

	# IDUs known: calculated net size	
NSC_IDUS	size	NSC_IDUS = NSC_IDUM+NSC_IDUF

So in the past 30 days, you've seen [fill with NSC_IDUS] **people who you know inject and who live in** [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)]. **Would you say that** [fill with NSC_IDUS] **people is about right?**

NS2c.2.

NS_ICHK2

Confirmation: NSC_IDUS correct, 2nd loop

Yes, about right.....0.....
 No, you actually know FEWER people who inject.....1.....

No, you actually know MORE people who inject.....2.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_INTRO_NS3. Go to CALC_ENDNS.

HET Network Series (INTRO_NS3- NS4c.2)

HET Recruiter Relationship

INTRO_NS3. DISPLAY: "I'm going to start by asking you about the person who gave you this coupon and about other people you know in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)]. Please remember that your answers will be kept private."

[Give Respondent Flashcard D.]

Which of the following describes how you know the person who gave you this coupon? You can choose more than one answer.

NS3. [READ choices. CHECK ALL that apply.]

NS_HREL Relationship to Recruiter, HET

NS_HRELA A relative or family member

NS_HRELB A person you have sex with

NS_HRELC A friend

NS_HRELD An acquaintance, that is, a person you know but do not consider a friend

NS_HRELE A stranger, you don't know the person or just met them

Refuse to Answer..... 7

HardEdit_NS3. If recruiter was a stranger and some other relationship type (NS_HRELE EQ 1 & NS_HREL>1), DISPLAY: "INTERVIEWER: Respondent cannot choose stranger along with some other relationship type. Clarify respondent's relationship with their recruiter." Then, go back to NS3. Else, go to Check_NS3CONF.

Check_NS3CONF. If R's recruiter was a stranger (NS_HRELE EQ 1), go to NS3CONF.
If R's recruiter was not a stranger (NS_HRELE NE 1), go to INTRO_NS4a.1.

When and where did you first see this person?

NS3CONF. [INTERVIEWER: If the respondent indicates that he first saw the recruiter in a situation related to the project (e.g. receiving their coupon, waiting outside of the storefront, etc.), then check "Recruiter is a stranger".]

NS_RSTRH Confirmation: recruiter is a stranger

Recruiter is a stranger.....1.....

Recruiter is NOT a stranger.....2.....

Check_INTRO_NS4a.1. If R does not confirm that recruiter was a stranger (NS3CONF EQ 2), go back to NS3.
If R confirms that recruiter was a stranger (NS3CONF EQ 1), go to INTRO_NS4a.1.

HET Network Size: First Loop

INTRO_NS4a.1. DISPLAY: "Now, I'm going to ask you about people you know. Specifically, I'm going to ask you about how many people you know in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)] whom you have seen in the past 30 days. I will not ask you any questions about any specific person."

Please tell me how many male friends, relatives or people you associate with have you seen in the past 30 days, who are at least 18 years old, and live in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)]. [If R is not a seed (IE10 EQ 0), fill with "Please include the person who gave you the coupon if they are male."]

NS4a.1.

NS_HETMA # males known: net size

Range.....0-.7500.....

Don't Know.....9999.....

Refuse to Answer.....7777.....

How many female friends, relatives, or people you associate with have you seen in the past 30 days, who are at least 18 years old, and live in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)]? [If R is not a seed (IE10 EQ 0), fill with "Please include the person who gave you the coupon if they are female."]

NS4b.1.

NS_HETFE # females known: net size

Range.....0-.7500.....

Don't Know.....9999.....

Refuse to Answer.....7777.....

Check_CALC_NSC_HETM.	If (NS4a.1 EQ DK or REF) & (NS4b.1 EQ DK or REF), go to CALC_ENDNS. Else, go to CALC_NSC_HETM.
-----------------------------	---

CALC_NSC_HETM.		
	# males known: calculated	
NSC_HETM	net size	NSC_HETM = if(NS_HETMA=.DK OR NS_HETMA=.REF,0,NS_HETMA)

CALC_NSC_HETF.		
	# females known: calculated	
NSC_HETF	net size	NSC_HETF = if(NS_HETFE=.DK OR NS_HETFE=.REF,0,NS_HETFE)

CALC_NSC_HETS.		
	# HETs known: calculated net	
NSC_HETS	size	NSC_HETS = NSC_HETM+NSC_HETF

Check_NS4CONFa.	If NSC_HETS EQ 0, go to NS4CONFa. If NSC_HETS EQ 1, 2 or 3, go to NS4CONFb. If NSC_HETS GT 3, go to NS4CONFc.
------------------------	---

You said you haven't seen anyone in the past 30 days in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)] **who is a friend, relative, or someone you associate with who is at least 18 years old. Is this correct?** [If R is not a seed (IE10 EQ 0), fill with "Did you include the person who gave you the coupon?"]

NS4CONFa.

NS_HZERO Confirmation: NSC_HETS = 0

No - - DOES know others.....0.....

Yes - - does NOT know any others.....1.....

Check_NS4CONFb.	If R does not know others (NS4CONFa EQ 1), go to CALC_ENDNS. If R does know others (NS4CONFa EQ 0), DISPLAY: " INTERVIEWER: Please re-enter the correct network size." Then, go to NS4a.2.
------------------------	---

Is there anyone else you know in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)] who is a friend, relative, or someone you associate with who is at least 18 years old who you've seen in the past 30 days? [If R is not a seed (IE10 EQ 0), fill with "Did you include the person who gave you the coupon?"]

NS4CONFb.

NS_HLOWS

Confirmation: NSC_HETS < 4

No - - Does NOT know any others.....0.....

Yes - - DOES know others.....1.....

Check_NS4CONFc. If R does not know others (NS4CONFb EQ 0), go to CALC_ENDDNS. If R does know others (NS4CONFb EQ 1), DISPLAY: "INTERVIEWER: Please re-enter the correct network size." Then, go to NS4a.2.

So in the past 30 days, you've seen [fill with NSC_HETS] friends, relatives, or people you associate with that live in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)] and are at least 18 years old. Would you say that [fill with NSC_HETS] people is about right?

NS4CONFc.

NS_HCHCK

Confirmation: NSC_HETS correct

Yes, about right.....0.....

No, you actually know FEWER people.....1.....

No, you actually know MORE people.....2.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_NS4a.2. If R knows fewer or more people (NS4CONFc EQ 1 or 2), go to NS4a.2. Else, go to CALC_ENDDNS.

HET Network Size: Second Loop

Please tell me how many male friends, relatives or people you associate with have you seen in the past 30 days, who are at least 18 years old, and live in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)]. [If R is not a seed (IE10 EQ 0), fill with "Please include the person who gave you the coupon if they are male."]

NS4a.2.

NS_HETM2

males known: net size, 2nd loop

Range.....0..7500.....

Don't Know.....9999.....

Refuse to Answer.....7777.....

How many female friends, relatives, or people you associate with have you seen in the past 30 days, who are at least 18 years old, and live in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)]? [If R is not a seed (IE10 EQ 0), fill with "Please include the person who gave you the coupon if they are female."]

NS4b.2.

NS_HETF2

females known: net size, 2nd loop

Range.....0-.7500.....

Don't Know.....9999.....

Refuse to Answer.....7777.....

Check_CALC_NSC_HETM2. If (NS4a.2 EQ DK or REF) & (NS4b.2 EQ DK or REF), go to CALC_ENDNS. Else, go to CALC_NSC_HETM2.

CALC_NSC_HETM2. NSC_HETM # males known: calculated net size NSC_HETM = if(NS_HETM2=.DK OR NS_HETM2=.REF,0,NS_HETM2)

CALC_NSC_HETF2. NSC_HETF # females known: calculated net size NSC_HETF = if(NS_HETF2=.DK OR NS_HETF2=.REF,0,NS_HETF2)

CALC_NSC_HETS2. NSC_HETS # HETs known: calculated net size NSC_HETS = NSC_HETM+NSC_HETF

So in the past 30 days, you've seen [fill with NSC_HETS] friends, relatives, or people you associate with that live in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)]and are at least 18 years old. Would you say that [fill with NSC_HETS] people is about right?

NS4c.2.

NS_HCHK2

Confirmation: NSC_HETS correct, 2nd loop

Yes, about right.....0.....

No, you actually know FEWER people.....1.....
No, you actually know MORE people.....2.....
Don't Know.....9.....
Refuse to Answer.....7.....

CALC_ENDNS.

ENDNS Time network section ended ENDNS = Current time

END_NS. Go to Demographic Section (DM).

NHBS ROUND 7 QUESTIONNAIRE

DEMOGRAPHICS (DM)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preset variables	--	CYCLE	NHBS Cycle
Preset variables	--	IDATE	Interview date
Interviewer Entered Information	IE2	CITYR7	City

Universe_DM. All Eligible Rs who consent to interview.

CALC_BEGDM.

BEGDM Time at beginning of DM section
 BEGDM = Current time

Residence

INTRO_DM1. If MSM cycle (CYCLE EQ 1), DISPLAY: "I'd like to start by asking you some questions about where you live. Please remember your answers will be kept private."
 If IDU or HET cycle (CYCLE EQ 2 or 3), DISPLAY: "Next, I'd like to ask you some questions about where you live. Please remember your answers will be kept private."

DM1. In the past **12 months**, that is, since [fill with interview month, formatted as text] of last year, have you been homeless at any time? By homeless, I mean you were living on the street, in a shelter, in a Single Room Occupancy hotel (SRO), or in a car.

- EVRHOMLS** Homeless during past 12 months
- No..... 0
 - Yes..... 1
 - Don't Know..... 9
 - Refuse to Answer..... 7

Check_DM1a. If R homeless in last 12 months (DM1 EQ 1), go to DM1a.
 Else, go to DM2.

DM1a. Are you currently homeless?

CURHMLSS Currently homeless

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

DM2. What zip code do you live in?

ZIP Zip code

Range.....00500-99501.....

Don't Know.....99999.....

Refuse to Answer.....77777.....

HardEdit_DM2. If response to DM2 is not 5 digits long, DISPLAY: "**INTERVIEWER:** The ZIP code you entered was [fill with response to DM2]. This number should be 5 digits long. Please re-enter the zip code." Then, go back to DM2. Else, go to DM3.

Nativity

DM3. Next, I would like to ask you some questions about your background. What country were you born in?

[DO NOT read choices.]

COUNTRY Country of birth

United States.....1.....

Mexico.....2.....

Puerto Rico.....3.....

Cuba.....4.....

Other.....5.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_DM3spec. If R born in 'other' country (DM3 EQ 5), go to DM3spec.

Else, go to Check_DM3a.

DM3spec. INTERVIEWER: Specify other country of birth

SPECBORN Specify country of birth

{text response; max length = 100 characters}

Check_DM3a. If R interviewed in San Juan & born in Mexico, Cuba, or 'other' country (IE2 EQ 7440 & DM3 EQ 2, 4, or 5) or R interviewed in any other city & born in Mexico, Puerto Rico, Cuba, or 'other' country (IE2 NE 7440 & DM3 EQ 2, 3, 4, or 5), go to DM3a.
Else, go to Check_DM3b1.

DM3a. What year did you first come to live in the United States?

YEARUSA Year first came to US

Range.....1900-2100.
Don't Know.....9999.....
Refuse to Answer.....7777.....

HardEdit_DM3a. If DM3a after year of interview (DM3a AFTER IDATE (year)), DISPLAY: "**INTERVIEWER:** The year first came to US cannot be after the current year." Then, go back to DM3a.
If DM3a before year of birth (DM3a BEFORE ES1 (year)), DISPLAY: "**INTERVIEWER:** The year first came to US cannot be before participant's birth year." Then, go back to DM3a.
Else, go to Check_DM3b1.

Language

Notes_Language. See [Measure References](#).

Check_DM3b1. If R is being interviewed in English (LANGUAGE=1), go to DM3b1.
Else, go to Check_DM4.

DM3b1. Do you speak a language other than English at home?

SPKOTLN Speak language other than English at home

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Marital status

Check_DM4. If IDU or HET cycle (CYCLE EQ 2 or 3), go to DM4.
 Else, go to DM5.

DM4. What is your current marital status?

[READ choices.]

MSTAT Marital status

Married.....1.....

Living together as married.....2.....

Separated.....3.....

Divorced.....4.....

Widowed.....5.....

Never married.....6.....

Don't Know.....9.....

Refuse to Answer.....7.....

Socioeconomic Status

DM5. What is the highest level of education you completed?

[DO NOT read choices.]

SCHOOL Education

Never attended school.....0.....

Grades 1 through 8.....	1.....
Grades 9 through 11.....	2.....
Grade 12 or GED.....	3.....
Some college, Associate's Degree, or Technical Degree.....	4.....
Bachelor's Degree.....	5.....
Any post graduate studies.....	6.....
Don't Know.....	9.....
Refuse to Answer.....	7.....

DM6. What best describes your employment status? Are you:

[READ choices.]

EMPSTAT

Employment status

Employed full-time.....	1.....
Employed part-time.....	2.....
A homemaker.....	3.....
A full-time student.....	4.....
Retired.....	5.....
Unable to work for health reasons.....	6.....
Unemployed.....	7.....
Other.....	8.....
Don't Know.....	99.....
Refuse to Answer.....	77.....

INTRO_DM7. If R currently homeless (DM1a EQ 1), DISPLAY: "Next I'd like to ask you some questions about your income. By "income," I mean the total amount of money you earn or receive. This includes money other people share with you."
 Else, DISPLAY: "Next I'd like to ask you some questions about your household income. By "household income," I mean the total amount of money earned and shared by all people living in your household."

DM7. What was your [if R currently homeless (DM1a EQ 1), fill with "income", else, fill with "household income"] in [fill with year before interview, formatted as text] from all sources before taxes? Please take a look at this card and tell me

the letter that best corresponds to your monthly or yearly income.

[Give Respondent Flashcard E.]

[DO NOT read choices.]

HHINCR6

Household Income

- A - 0 to \$416 (M) 0 to \$4,999 (Y).....0.....
- B - \$417 to \$833 (M) \$5,000 to \$9,999 (Y).....1.....
- C - \$834 to \$1041 (M) \$10,000 to \$12,499 (Y).....2.....
- D - \$1042 to \$1249 (M) \$12,500 to \$14,999 (Y).....3.....
- E - \$1250 to \$1666 (M) \$15,000 to \$19,999 (Y).....4.....
- F - \$1667 to \$2083 (M) \$20,000 to \$24,999 (Y).....5.....
- G - \$2084 to \$2499 (M) \$25,000 to \$29,999 (Y).....6.....
- H - \$2500 to \$2916 (M) \$30,000 to \$34,999 (Y).....7.....
- I - \$2917 to \$3333 (M) \$35,000 to \$39,999 (Y)8.....
- J - \$3334 to \$4166 (M) \$40,000 to \$49,999 (Y)9.....
- K - \$4167 to \$4999 (M) \$50,000 to \$59,999 (Y)10.....
- L - \$5000 to \$6249 (M) \$60,000 to \$74,999 (Y).....11.....
- M - \$6250 to \$8332 (M) \$75,000 to \$99,999 (Y)12.....
- N - \$8333 or more (M) \$100,000 or more (Y)13.....
- Don't Know.....99.....
- Refuse to Answer.....77.....

Check_DM7a.	If R reported income (DM7 GE 0 & LE 13), go to DM7a. Else, go to INTRO_DM8.
--------------------	--

DM7a.

Including yourself, how many people depended on this income?

[INTERVIEWER: Must be at least 1.]

DEPENDR6

Number of dependents

— —

Range.....1-20

Don't Know.....99

Refuse to Answer.....77

Health Care Access & Utilization

INTRO_DM8. DISPLAY: "The next questions are about health insurance. By health insurance, we mean health plans people get through employment or purchased directly, as well as government programs like Medicare and Medicaid that provide medical care or help pay medical bills."

DM8. Do you currently have health insurance or health care coverage?

CURRHLTH Currently insured

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_DM8a. If R currently insured (DM8 EQ 1), go to DM8a.
Else, go to DM8b.

DM8a. What kind of health insurance or coverage do you currently have?

[Give Respondent Flashcard F.]

[READ choices. CHECK ALL that apply.]

- TYP_INS Type of health insurance
- TYP_INSA A private health plan - through an employer or purchased directly
- TYP_INSB Medicaid - for people with low incomes
- TYP_INSC Medicare - for the elderly and people with disabilities
- TYP_INSD Some other government plan
- TYP_INSE TRICARE / CHAMPUS
- TYP_INSF Veterans Administration coverage
- TYP_INSG Some other health insurance

Don't Know.....99.....

Refuse to Answer.....77.....

Check_DM8aspec. If R reported 'other' insurance type (TYP_INSG EQ 1), go to DM8aspec.
Else, go to DM8b.

DM8aspec. INTERVIEWER: Specify other health insurance or coverage:

SPECINS Specify other health insurance

{text response; max length = 100 characters}

Notes_UsualSourceOfCare. See [Measure References](#).

DM8b. Is there a place that you usually go when you are sick or you need advice about your health? Do NOT include internet web sites.

SRCCAREA Have a usual source of care

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_DM8b1. If R has no usual source of care (DM8b EQ 0), go to DM8b.1.
Else, go to Check_DM8c.

DM8b.1. Is this because there is no place you go for health care or because there is more than one place?

SRCCAREB Why no usual source of care

There is NO place.....1.....

There is more than one place.....2.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_DM8c.	If R has usual or more than 1 source of care (DM8b EQ 1 or DM8b.1 EQ 2), go to DM8c. Else, go to DM8d.
--------------------	---

DM8c. What kind of place [if R has usual source of care (DM8b EQ 1), fill with "is it", else, fill with "do you go to most often"]
- a clinic, doctor's office, emergency room, or some other place?

SRCLOC Location of usual care

Clinic or health center.....1.....

Doctor's office or HMO.....2.....

Hospital emergency room.....3.....

Some other place.....4.....

Doesn't go to one place most often.....5.....

Don't Know.....9.....

Refuse to Answer.....7.....

DM8d. In the past 12 months, that is, since [fill with interview month, formatted as text] **of last year, have you seen a doctor, nurse, or other health care provider?**

VSITMD12 Health care visit, 12 months

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_DM8e.1	If whether R saw health care provider not reported (DM8d EQ DK or REF), go to DM8f. If R saw health care provider (DM8d EQ 1), go to DM8e.1 If R did NOT see health care provider (DM8d EQ 0), go to DM8e.2
---------------------	---

DM8e.1 At any of those times you were seen, were you offered an HIV test? An HIV test checks whether someone has the virus that causes AIDS.

RECCHIV Provider offered HIV test, 12 months

No.....0.....

Yes.....1.....

Don't Know.....9.....
 Refuse to Answer.....7.....

Check_DM8e.2.	Go to DM8f.
----------------------	-------------

DM8e.2. **About how long has it been since you last saw a doctor, nurse, or other health care provider about your own health? Would you say it was...**

[READ choices.]

WHNLHCP

When last visited health care provider

More than 1 year ago but less than 2 years ago.....1.....
 2 to 5 years ago.....2.....
 More than 5 years ago.....3.....
 Don't Know.....9.....
 Refuse to Answer.....7.....

Notes_UnmetNeedForCare. See [Measure References](#).

DM8f. **During the past 12 months, was there any time when you needed medical care but didn't get it because you couldn't afford it?**

HCAFF

Lacked health care due to cost

No.....0.....
 Yes.....1.....
 Don't Know.....9.....
 Refuse to Answer.....7.....

Disability

Notes_Disability.	See Measure References .
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INTRO_DM9a	DISPLAY: "The next questions are about your overall health."
-------------------	--

DM9a. **Are you deaf or do you have serious difficulty hearing?**
 DISDEAF Disability - Hearing

No.....0.....
 Yes.....1.....
 Don't Know.....9.....
 Refuse to Answer.....7.....

DM9b. Are you blind or do you have serious difficulty seeing, even when wearing glasses?
 DISBLND Disability - Vision

No.....0.....
 Yes.....1.....
 Don't Know.....9.....
 Refuse to Answer.....7.....

DM9c. Because of a physical, mental, or emotional condition, do you have serious difficulty concentrating, remembering, or making decisions?
 DISCOGN Disability - Cognition

No.....0.....
 Yes.....1.....
 Don't Know.....9.....
 Refuse to Answer.....7.....

DM9d. Do you have serious difficulty walking or climbing stairs?
 DISWALK Disability - Ambulation

No.....0.....
 Yes.....1.....
 Don't Know.....9.....
 Refuse to Answer.....7.....

DM9e. Do you have difficulty dressing or bathing?
 DISCARE Disability - Self-care

No.....0.....
 Yes.....1.....
 Don't Know.....9.....
 Refuse to Answer.....7.....

DM9f. Because of a physical, mental, or emotional condition, do you have difficulty doing errands alone, such as visiting a doctor's office or shopping?
 DISERNND Disability - Errands

No.....0.....
 Yes.....1.....
 Don't Know.....9.....
 Refuse to Answer.....7.....

INTRO_DM10. If MSM cycle (CYCLE EQ 1), DISPLAY: "The next questions are about people you are attracted to."
 If IDU or HET cycle (CYCLE EQ 2 OR 3), DISPLAY: "The next question is about people you are attracted to."

Sexual identity

DM10. Do you consider yourself to be:

[READ choices.]

IDENTR7 Sexual identity

Heterosexual or "Straight"1.....
Gay or Lesbian.....2.....
Bisexual.....3.....
Don't Know.....9.....
Refuse to Answer.....7.....

CALC_ENDDM.		
ENDDM	Time demographics section ended	ENDDM = Current time

END_DM.	Go to Social Experiences Section (SO).
----------------	--

NHBS ROUND 7 QUESTIONNAIRE

SOCIAL EXPERIENCES (SO)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preset variables	--	CYCLE	NHBS Cycle
Interviewer Entered Information	IE2	CITYR7	City
Eligibility Screener	ES9a	E_EVRMSW	Eligibility: MSM, Ever had sex with woman

Universe_SO. All Rs in MSM cycle who are eligible for & consent to interview.

CALC_BEGSO.

BEGSO Time at beginning of SO section BEGSO = Current time

Check_SO1. If MSM cycle (CYCLE EQ 1), go to SO1.
Else, go to CALC_ENDSO.

Identity disclosure

SO1. Have you ever told anyone that you are attracted to or have sex with men?

OUT_YN Disclosed sexuality - Anyone

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_INTRO_SO2a. If R ever disclosed sexuality (SO1 EQ 1), go to INTRO_SO2a.
Else, go to INTRO_SO3a.

Identity disclosure index

INTRO_SO2a. DISPLAY: "I'm going to read you a list of people you may have told. Please tell me whether you have told anyone in each group of people. Have you told any..."

[READ choices. CHECK YES or NO for EACH ONE.]

SO2a. Friends who are not gay, lesbian, or bisexual?

OUT_FRI Disclosed sexuality - Non-GLB friends

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

SO2b. Family members?

OUT_FAM Disclosed sexuality - Family members

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

<p>Check_SO2c. If R ever had sex with a woman (E59a EQ 1), go to SO2c. Else, go to SO2d.</p>

SO2c. Women you have sex with?

OUT_FEM Disclosed sexuality - Women R has sex with

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

SO2d. Health care providers?

OUT_HCP Disclosed sexuality - HCP

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

MSM Discrimination

Notes_MSMDiscrimination. See [Measure References](#).

INTRO_SO3a. DISPLAY: "The next questions are about things that may have happened to you in the past 12 months, that is, since [fill with interview month, formatted as text] of last year.

In the past 12 months..."

SO3a. Were you called names or insulted because someone knew or assumed you were attracted to men?

DISC_VER Discrimination - Verbal

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

SO3b. Did you receive poorer service than other people in restaurants, stores, other businesses, or agencies because someone knew or assumed you were attracted to men?

DISC_SVC Discrimination - Poor service

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

SO3c. Were you treated unfairly at work or school because someone knew or assumed you were attracted to men?

DISC_WRK Discrimination - Work/school

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Not Applicable.....8.....

SO3d. Were you denied or given lower quality health care because someone knew or assumed you were attracted to men?

DISC_HC Discrimination - Health care

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Not Applicable.....8.....

SO3e. Were you physically attacked or injured because someone knew or assumed you were attracted to men?

DISC_ATT Discrimination - Phys assault

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Perceived community tolerance

INTRO_SO4. DISPLAY: "[Give Respondent Flashcard G.]

Next, I'm going to read you a statement. Please tell me how strongly you agree or disagree with it, using one of the options on this card."

MOST PEOPLE in [if the project area is Norfolk (IE2 EQ 5720), fill with "Hampton Roads", else, fill with project area (city name from IE2)] **are tolerant of gay and bisexual people. Do you...**

SO4. [READ choices.]

TOLGBR7 Comm. tolerance of gay and bisexual people

Strongly agree.....1.....

Agree.....2.....

Neither agree nor disagree.....3.....

Disagree.....4.....
Strongly disagree.....5.....
Don't Know.....9.....
Refuse to Answer.....7.....

CALC_ENDSO.
ENDSO Time SO section ended ENDSO = Current time

END_SO. Go to Sexual behavior section (SX).

NHBS ROUND 7 QUESTIONNAIRE

SEXUAL BEHAVIOR (SX)

Variables from prior section(s) used in this section of the questionnaire			
<u>Section</u>	<u>Question #</u>	<u>Variable name</u>	<u>Variable label</u>
Preset variables	--	CYCLE	NHBS Cycle
Preset variables	--	AGO12M_C	12 mos before interview: Century Month
Preset variables	--	IDATEY	Interview date: Year
Preset variables	--	IDATE	Interview date
Eligibility Screener	ES8a	BIRTHSEX	Sex at birth
Eligibility Screener	ES8b	GNDRR7	Gender identity
Eligibility Screener	ES9a	E_EVRMSW	Eligibility: MSM, Ever had sex with woman
Eligibility Screener	ES9b	E_EVRMSM	Eligibility: MSM, Ever had sex with man
Eligibility Screener	--	AGE	CAPI calculated age today

Universe_SX. MSM cycle: Cisgender men, transgender men, men assigned intersex/ambiguous at birth, & nonbinary Rs assigned male at birth.
 PWID & HET cycles: Cisgender men & women.

CALC_BEGSX.

BEGSX Time at beginning of SX section
 BEGSX = Current time

Check_INFO_SX. If R cisgender ((ES8a EQ 1 & ES8b EQ 1) or (ES8a EQ 2 & ES8b EQ 2)) or MSM cycle & R is trans man, man assigned intersex/ambiguous at birth, or nonbinary & assigned male at birth (CYCLE EQ 1 & ((ES8a EQ 2 & ES8b EQ 1) or (ES8a EQ 3 & ES8b EQ 1) or (ES8a EQ 1 & ES8b EQ 3))), go to INFO_SX.
 Else, go to CALC_ENDSX.

INFO_SX. DISPLAY: "INTERVIEWER: Remember to read questions and definitions as worded. If respondent does not understand a sexual behavior term after you have read item as worded, you may use slang."

INTRO_SX. DISPLAY: "Next, I'm going to ask you some questions about having sex. Please remember your answers will be kept private."

Universe_M_FSeries. All cisgender male Rs in IDU and HET cycles; cisgender male Rs in MSM cycle who reported male-female sex ever.

Check_M_FSeries. If PWID or HET cycle & R cisgender man ((CYCLE EQ 2 or 3) & (ES8a EQ 1 & ES8b EQ 1)) or MSM cycle & R cisgender man & ever had male-female sex ((CYCLE EQ 1) & (ES8a EQ 1 & ES8b EQ 1) & ES9a EQ 1), go to M_FSeries).
 If MSM cycle (CYCLE EQ 1) & R cisgender (ES8a EQ 1 & ES8b EQ 1), & did not report male-female sex ever (ES9a EQ 1), go to CALC_M_FHET.
 If MSM cycle & R trans man, man assigned intersex/ambiguous at birth, or nonbinary person assigned male at birth (CYCLE EQ 1 & ((ES8a EQ 2 & ES8b EQ 1) or (ES8a EQ 3 & ES8b EQ 1) or (ES8a EQ 1 & ES8b EQ 3))), go to TMSMSeries.
 If R is cisgender woman (ES8a EQ 2 & ES8b EQ 2), go to F_MSeries.
 Else, go END_SX.

M_F Series: Male Rs – Female Sex Partners

INTRO_M_FSeries [Give Respondent Flashcard 1.]

·

DISPLAY: "For these questions, "having sex" means oral, vaginal, or anal sex. Oral sex means mouth on the vagina or penis, vaginal sex means penis in the vagina, and anal sex means penis in the anus or butt. I need to ask you all the questions, even if some may not apply to your situation."

M_F: Sex with female Ps, lifetime

Check_SX1. If IDU cycle (CYCLE EQ 2), go to SX1.
 If MSM or HET cycle (CYCLE EQ 1 or 3), go to SX2.

SX1. Have you ever had vaginal sex or anal sex with a woman?

M_FEVER

M_F sex y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX2. If R ever had male-female sex (SX1 EQ 1), go to SX2.
 Else, go to CALC_M_FHET.

SX2. How old were you the first time you had vaginal or anal sex with a woman?

M_FDEBUT

M_F Age at sexual debut

— —

Range.....0-70
 Don't Know.....99
 Refuse to Answer.....77

HardEdit_SX2. If age of first sex greater than current age (SX2 GT AGE), DISPLAY: "**INTERVIEWER:** The age of first sex cannot be greater than respondent's current age ([fill with R's age (AGE)]). Please clarify and re-enter response." Then, go back to SX2.
 Else, go to SX3.

M F: Total Ps, 12m

SX3. In the past 12 months, that is, since [fill with interview month, formatted as text] of last year, with how many different women have you had oral, vaginal, or anal sex?
 M_FSX12 M_F Number of partners in last 12 months

 Range.....0-7000
 Don't Know.....9999
 Refuse to Answer.....7777

Check_SX3conf. If HET cycle (CYCLE EQ 3) & R reports 0 female partners (SX3 EQ 0), go to SX3conf.
 Else, go to Check_INTRO_SX4.

SX3conf. I would like to clarify your response. You indicated that you haven't had sex with a woman in the past 12 months. Is that correct?

C_M_F M_F Conf. had sex in past year - HET

No - HAS had female partner..... 0
 Yes - Has NOT had female partner..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

HardEdit_SX3conf. If R reports sex with a woman in past 12 months (SX3conf. EQ 0), DISPLAY: "**INTERVIEWER:** Please clarify then re-enter the number of women respondent had sex with in the past 12 months." Then, go back to SX3.
 Else, go to Check_INTRO_SX4.

Check_INTRO_SX4. If R does not report sex with a woman in past 12 months (SX3 EQ 0, DK or REF) or (SX3conf EQ 1, DK, or REF), go to CALC_M_FHET.

If 1 female partner (SX3 EQ 1), go to INTRO_SX4.
 If multiple female partners (SX3 GT 1) go to INTRO_SX5a.

M_F: Total Main & Casual Ps, 12m

One Partner (.o)

INTRO_SX4. On one screen, DISPLAY: "Now I'm going to ask you to describe this sex partner as either a main or casual partner.
 [Give Respondent Flashcard J.]"

On next screen, DISPLAY: "By "main partner" I mean a woman you have sex with and who you feel committed to above anyone else. This is a partner you would call your girlfriend, wife, significant other, or life partner. And by "casual partner" I mean a woman you have sex with but do not feel committed to or don't know very well."

SX4. Was this woman a main partner or a casual partner?

M_F1SX

M_F Type of partner - single

- Main partner..... 1
- Casual partner..... 2
- Don't Know..... 9
- Refuse to Answer..... 7

Check_INTRO_SX5a Go to Check_INTRO_SX6a.o.
 .

Multiple Partners (.m)

INTRO_SX5a. On one screen, DISPLAY: "Now I'm going to ask you to describe these sex partners as either main or casual partners.
 [Give Respondent Flashcard J.]"

On next screen, DISPLAY: "By "main partner" I mean a woman you have sex with and who you feel committed to above anyone else. This is a partner you would call your girlfriend, wife, significant other, or life partner. And by "casual partner" I mean a woman you have sex with but do not feel committed to or don't know very well."

SX5a. Of the [fill with total female partners (SX3)] women you've had oral, vaginal or anal sex with in the past 12 months, how many of them were main partners?

M_FMSX

M_FM Number of main partners - 12 months

- Range.....0-7000.
- Don't Know.....9999.

Refuse to Answer.....7777.

HardEdit_SX5a. If # main partners GT total female partners (SX5a GT SX3), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of female partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX5a.
 Else, go to Check_SX5b.

Check_SX5b. If # main partners EQ total female partners (SX5a EQ SX3), go to Check_INTRO_SX6a.o.
 Else, go to SX5b.

SX5b. How many were casual partners?
 M_FCSX M_FC Number of casual partners - 12 months

 Range.....0-7000
 Don't Know.....9999
 Refuse to Answer.....7777.

HardEdit_SX5b. If # casual partners GT total female partners (SX5b GT SX3), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of female partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX5b.
 If # main & casual partners NE total female partners ((SX3 GT 1) & ((SX5a NE DK or REF) & (SX5b NE DK or REF)) & (SX5a + SX5b NE SX3)), DISPLAY: "INTERVIEWER: The number of main and casual partners is not equal to the total number of female partners. Clarify and re-enter response to current or prior item as needed." Then, go back to SX5a.
 Else, go to Check_INTRO_SX6a.o.

M F: Main Ps - Vaginal Sex, 12m

Check_INTRO_SX6a.o. If 1 main partner (SX4 EQ 1 or SX5a EQ 1), go to INTRO_SX6a.o.
 If multiple main partners (SX5a GT 1), go to INTRO_SX6a.m.
 If no main partners (SX3 EQ 1 & SX4 EQ 2, DK, or REF) or ((SX3 GT 1) & (SX5a EQ 0, DK, or REF)), go to Check_INTRO_SX7a.o.

VS - One Main Partner

INTRO_SX6a.o. DISPLAY: "Now I'm going to ask you about the female main sex partner you had in the past 12 months."

SX6a.o. In the past 12 months, did you have vaginal sex with this woman?

M_FM1VS M_FM VS partners - 12 months - y/n

No..... 0

Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

Check_INTRO_SX6a.m. Go to Check_SX6b.o.

VS - Multiple Main Partners

INTRO_SX6a.m. DISPLAY: "Now I'm going to ask you about the [fill with # main partners (SX5a)] female main sex partners you had in the past 12 months."

SX6a.m. **Of your [fill with # of female main partners (SX5a)] female main partners in the past 12 months, with how many did you have vaginal sex?**

M_FMVS M_FM VS partners - 12 months - number

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX6a.m If # main VS partners GT # main partners (SX6a.m. GT SX5a), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of female main partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX6a.m.
 Else, go to Check_SX6b.o.

Check_SX6b.o. If 1 main VS partner (SX6a.o EQ 1 or SX6a.m EQ 1), go to SX6b.o.
 If multiple main VS partners (SX6a.m GT 1), go to SX6b.m.
 If no main VS partners (SX6a.o EQ 0, DK, or REF) or (SX6a.m. EQ 0, DK, or REF), go to Check_SX6c.o.

UVS - One Main VS Partner

SX6b.o. **In the past 12 months, did you have vaginal sex with her without using a condom?**

M_FM1UVS M_FM UVS partners - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX6b.m.	Go to Check_SX6c.o.
----------------------	---------------------

UVS - Multiple Main VS Partners

SX6b.m. In the past 12 months, with how many of these [fill with # main VS partners (SX6a.m)] women did you have vaginal sex without using a condom?

M_FMUUVS M_FM UVS partners - 12 months - number

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX6b.m.	If # main UVS partners GT # main VS partners (SX6b.m. GT SX6a.m), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of female main vaginal sex partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX6b.m. Else, go to Check_SX6c.o.
-------------------------	---

Check_SX6c.o.	If 1 main partner (SX4 EQ 1or SX5a EQ 1), go to SX6c.o. Else, go to SX6c.m.
----------------------	---

M F: Main Ps - Anal Sex, 12m

AS - One Main Partner

SX6c.o. In the past 12 months, did you have anal sex with this woman?

M_FM1AS M_FM AS partners - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX6c.m. Go to Check_SX6d.o.

AS - Multiple Main Partners

SX6c.m. Of your [fill with # main partners (SX5a)] female main partners in the past 12 months, with how many did you have anal sex?

M_FM AS partners - 12 months - number

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX6c.m. If # main AS partners GT # main partners (SX6c.m. GT SX5a), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of female main partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX6c.m. Else, go to Check_SX6d.o.

Check_SX6d.o. If 1 main AS partner ((SX6c.o EQ 1) or (SX6c.m EQ 1)), go to SX6d.o. If GT 1 main AS partner (SX6c.m GT 1), go to SX6d.m. If no main AS partners ((SX6c.o EQ 0, DK, or REF) OR (SX6c.m EQ 0, DK, or REF)), go to Check_INTRO_SX7a.o.

UAS - One Main AS Partner

SX6d.o. In the past 12 months, did you have anal sex with her without using a condom?

M_FM1UAS M_FM UAS partners - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX6d.m. Go to Check_INTRO_SX7a.o.

UAS - Multiple Main AS Partners

SX6d.m. In the past 12 months, with how many of these [fill with # main AS partners (SX6c.m)] women did you have anal sex without using a condom?

M_FMUAS M_FM UAS partners - 12 months - number

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX6d.m. If # main UAS partners GT # main AS partners (SX6d.m. GT SX6c.m), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of female main anal sex partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX6d.m. Else, go to Check_INTRO_SX7a.o.

M F: Casual Ps - Vaginal Sex, 12m

Check_INTRO_SX7a.o. If 1 casual partner (SX4 EQ 2 or SX5b EQ 1), go to INTRO_SX7a.o. If multiple casual partners (SX5b GT 1), go to INTRO_SX7a.m. If R reports no casual partners (SX3 EQ 1 & SX4 EQ 1, DK, or REF) or ((SX3 GT 1) & (SX5b EQ 0, DK, or REF)) or (SX3 EQ SX5a) , go to CALC_M_FHET.

VS - One Casual Partner

INTRO_SX7a.o. DISPLAY: "Now I'm going to ask you about the female casual sex partner you had in the past 12 months. "

SX7a.o. In the past 12 months, did you have vaginal sex with this woman?

M_FO1VS M_FC VS partner - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_INTRO_SX7a.m. Go to Check_SX7b.o.

VS - Multiple Casual Partners

INTRO_SX7a.m. DISPLAY: "Now I'm going to ask you about the [fill with # casual partners (SX5b)] female casual sex partners you had in the past 12 months."

SX7a.m. **Of your [fill with # casual partners (SX5b)] female casual partners in the past 12 months, with how many did you have vaginal sex?**

M_FOVS M_FC VS partners - 12 months - number

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX7a.m If # casual VS partners GT # casual partners (SX7a.m. GT SX5b), DISPLAY: "**INTERVIEWER:** The response entered is inconsistent with a prior response (number of female casual partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX7a.m. Else, go to Check_SX7b.o.

Check_SX7b.o. If 1 casual VS partner (SX7a.o EQ 1 or SX7a.m. EQ 1), go to SX7b.o.
If multiple casual VS partners (SX7a.m GT 1), go to SX7b.m.
If no casual VS partners ((SX7a.o EQ 0, DK, or REF) or (SX7a.m. EQ 0, DK, or REF)), go to Check_SX7c.o.

UVS - One Casual VS Partner

SX7b.o. **In the past 12 months, did you have vaginal sex with her without using a condom?**

M_FO1UVS M_FC UVS partner - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX7b.m. Go to Check_SX7c.o.

UVS - Multiple VS Casual Partners

SX7b.m. In the past 12 months, with how many of these [fill with # casual VS partners (SX7am)] women did you have vaginal sex without using a condom?

M_FOUVS M_FC UVS partners - 12 months - number

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX7b.m. If # casual UVS partners GT # casual VS partners (SX7b.m. GT SX7a.m), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of female casual vaginal sex partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX7b.m. Else, go to SX7c.m.

Check_SX7c.o. If 1 casual female partner (SX4 EQ 2 or SX5b EQ 1), go to SX7c.o. Else, go to SX7c.m.

M F: Casual Ps - Anal Sex, 12m

AS - One Casual Partner

SX7c.o. In the past 12 months, did you have anal sex with this woman?

M_FO1AS M_FC AS partner - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX7c.m. Go to Check_SX7d.o.

AS - Multiple Casual Partners

SX7c.m. Of your [fill with # female casual partners (SX5b)] female casual partners in the past 12 months, with how many did

you have anal sex?

M_FOAS M_FC AS partners - 12 months - number

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX7c.m. If # casual AS partners GT # casual partners (SX7c.m. GT SX5b), DISPLAY: "**INTERVIEWER:** The response entered is inconsistent with a prior response (number of female casual partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX7c.m.
Else, go to Check_SX7d.o.

Check_SX7d.o. If 1 casual AS partner ((SX7c.o EQ 1) or (SX7c.m EQ 1)), go to SX7d.o.
If multiple casual AS partners (SX7c.m GT 1), go to SX7d.m.
If no casual AS partners ((SX7c.o EQ 0, DK, or REF) or (SX7c.m EQ 0, DK, or REF)), go to Check_SX7e.o.

UAS - One Casual AS Partner

SX7d.o. In the past 12 months did you have anal sex with her without using a condom?

M_FO1UAS M_FC UAS partner - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX7d.m Go to Check_SX7e.o.

UAS - Multiple AS Casual Partners

SX7d.m. In the past 12 months, with how many of these [fill with # casual AS partners (SX7c.m)] women did you have anal sex without using a condom?

M_FOUAS M_FC UAS partners - 12 months - number

Range.....0:7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX7d.m If # casual UAS partners GT # casual AS partners (SX7d.m GT SX7c.m), DISPLAY: "**INTERVIEWER:** The response entered is inconsistent with a prior response (number of female casual anal sex partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX7d.m.
Else, go to Check_SX7e.o.

Check_SX7e.o. If 1 casual partner (SX4 EQ 2 or SX5b EQ 1), go to SX7e.o.
If multiple casual partners (SX5b GT 1), go to SX7e.m.

M F: Casual Ps - Exchange Sex, 12m

EX - One Casual Partner

SX7e.o. In the past 12 months, did you give this woman money or drugs in exchange for having sex with you?

M_FO1EG

M_FC Single exchange - gave

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX7e.m. Go to CALC_M_FHET.

EX - Multiple Casual Partners

SX7e.m. Of your [fill with # casual partners (SX5b)] female casual partners in the past 12 months, how many did you give money or drugs in exchange for having sex with you?

M_FOMEG

M_FC Multiple exchange gave

Range.....0:7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX7e.m. If # exchange partners GT # casual partners (SX7e.m. GT SX5b), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of female casual partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX7e.m.
 Else, go to CALC_M_FHET.

CALC_M_FHET.

M_FHET = IF ((M_FSX12=DK or M_FSX12=REF), 9, IF ((M_FSX12=0), 0, IF((M_FSX12=1),1, if ((M_FSX12>1),1,0))))

M_FHET M_F HET sex (Y/N)

Check_M_MSeries If HET cycle & R did not report 1+ opposite-sex partners (CYCLE EQ 3 & M_FHET NE 1), go to CALC_ENDCORE.
 Else, go to M_MSeries.

Universe_M_MSeries. All cisgender male Rs.

M_MSeries: Male Rs - Male Sex Partners

INTRO_SX9. On one screen, DISPLAY: "Now I'm going to ask you some questions about having sex with other men. I need to ask you these questions even if some don't apply to you. Please remember your answers will be kept private."

 [Give Respondent Flashcard K.]

 On next screen, DISPLAY: "For these questions, "having sex" means oral or anal sex. Oral sex means he put his mouth on your penis or you put your mouth on his penis. Anal sex means you put your penis in his anus or butt or he put his penis in your anus or butt."

M_M: Sex with male Ps, lifetime

Check_SX9. If IDU or HET cycle, (CYCLE EQ 2 or 3), go to SX9.
 Else, go to SX10.

SX9. Have you ever had oral or anal sex with a man?

M_MEVER M_M Sex with men - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX10. If R reports sex with a man (SX9 EQ 1), go to SX10.
Else, go to CALC_BEGLP.

SX10. How old were you the first time you had oral or anal sex with a man?

M_MDEBUT M_M Age at first MSM encounter

— —

Range.....0-70

Don't Know.....99

Refuse to Answer.....77

HardEdit_SX10. If age of first sex greater than current age (SX10 GT AGE), DISPLAY: "**INTERVIEWER:** The age of first sex cannot be greater than respondent's current age ([fill with R's age (AGE)]). Please clarify and re-enter response." Then go back to SX10.
Else, go to SX11.

M M: Total Ps, 12m

SX11. In the past 12 months, that is, since [fill with interview month, formatted as text] of last year, with how many different men have you had oral or anal sex?

M_MSX12 M_M Number of male partners - 12 months

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....777

Check_SX11a.	If R does not report # male partners (SX11 EQ DK, or REF), go to CALC_BEGLP. If zero male partners (SX11 EQ 0), go to SX11a. If 1 male partner (SX11 EQ 1), go to INTRO_SX12. If multiple male partners (SX11 GT 1), go to INTRO_SX13a.
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SX11a. Think about the last time you had either oral or anal sex with a man. How many years ago was that?

M_MLOA M_M last oral/anal

— —

Range.....1-99

Don't Know.....999

Refuse to Answer.....777

HardEdit_SX11a.	If years since last male-male sex GT current age (SX11a GT AGE), DISPLAY: " INTERVIEWER: The number of years since last sex with a man cannot be greater than respondent's current age ([fill with R's age (AGE)]). Please clarify and re-enter response." Then, go back to SX11a. Else, go to CALC_BEGLP.
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Check_INTRO_SX12.	If R reports more than 1 male sex partner (SX11 GT 1), go to INTRO_SX13a. Else, go to INTRO_SX12.
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M M: Total Main & Casual Ps. 12m

One Partner (.o)

INTRO_SX12.	On one screen, DISPLAY: "Now I'm going to ask you to describe this sex partner as either a main or casual partner. [Give Respondent Flashcard L.]" On next screen, DISPLAY: "By "main partner" I mean a man you have sex with and who you feel committed to above anyone else. This is a partner you would call your boyfriend, husband, significant other, or life partner. And by "casual partner" I mean a man you have sex with but do not feel committed to or don't know very well."
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SX12. Was this man a main partner or a casual partner?

M_M1SX M_M Type of partner - single

Main partner..... 1

Casual partner..... 2

Don't Know..... 9

Refuse to Answer..... 7

Check_INTRO_SX13a. Go to Check_INTRO_SX14a.o.

Multiple Partners (.m)

INTRO_SX13a. On one screen, DISPLAY: "Now I'm going to ask you to describe these sex partners as either main or casual partners."

[Give Respondent Flashcard L.]

On next screen, DISPLAY: "By "main partner" I mean a man you have sex with and who you feel committed to above anyone else. This is a partner you would call your boyfriend, husband, significant other, or life partner. And by "casual partner" I mean a man you have sex with but do not feel committed to or don't know very well."

SX13a. **Of the [fill with # male partners (SX11)] men you've had oral or anal sex with in the past 12 months, how many of them were main partners?**

M_MMSX M_MM Number of main partners - 12 months

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX13a. If # male main partners GT # male partners (SX13a GT SX11), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX13a.
Else, go to Check_SX13b.

Check_SX13b. If # male main partners EQ # male partners (SX13a EQ SX11), go to Check_INTRO_SX14a.o.
Else, go to SX13b.

SX13b. **How many were casual partners?**

M_MCSX M_MC Number of casual partners - 12 months

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX13b. If # casual partners GT # male partners (SX13b GT SX11), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX13b.

If # main & casual partners NE # male partners ((SX11 GT 1) & (SX13a NE DK or REF & SX13b NE DK or REF) & (SX13a + SX13b NE SX11)), DISPLAY: "INTERVIEWER: The number of main and casual partners is not equal to the total number of male partners. Clarify and re-enter response to current or prior item as needed." Then go back to SX13a.

Else, go to Check_INTRO_SX14a.o.

Check_INTRO_SX14a.o If 1 main partner (SX12 EQ 1 or SX13a EQ 1), go to INTRO_SX14a.o.

If multiple main partners (SX13a GT 1) , go to INTRO_SX14a.m.

If no main partners ((SX11 EQ 1 & SX12 EQ 2, DK, or REF) or ((SX11 GT 1) & (SX13a EQ 0, DK, or REF)), go to Check_INTRO_SX15a.o.

M M: Main Ps - Anal Sex, 12m

AS - One Main Partner

INTRO_SX14a.o. DISPLAY: "Now I'm going to ask you about the male main sex partner you had in the past 12 months."

SX14a.o. In the past 12 months, did you have anal sex with this man?

M_MM1AS M_MM AS partner - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_INTRO_SX14a.m. Go to Check_SX14b.o.

AS - Multiple Main Partner

INTRO_SX14a.m	DISPLAY: "Now I'm going to ask you about the [fill with # main partners (SX13a)] male main sex partners you had in the past 12 months."
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SX14a.m. **Of your [fill with # main partners (SX13a)] male main partners in the past 12 months, with how many did you have anal sex?**

M_MMAS M_MM AS partners - 12 months - number

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX14a.m.	If # main AS partners GT # main partners (SX14a.m GT SX13a), DISPLAY: " INTERVIEWER: The response entered is inconsistent with a prior response (number of male main partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX14a.m. Else, go to Check_SX14b.o.
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Check_SX14b.o.	If 1 main AS partner (SX14a.o EQ 1) or (SX14a.m EQ 1), go to SX14b.o. If multiple main AS partners (SX14a.m GT 1), go to SX14b.m. If no AS partners (SX14a.o EQ 0, DK, or REF) or (SX14a.m EQ 0, DK, or REF), go to Check_INTRO_SX15a.o.
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UAS - One Main AS Partner

SX14b.o. **In the past 12 months, did you have anal sex with him without using a condom?**

M_MM1UAS M_MM UAS partner - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX14b.m	Go to Check_INTRO_SX15a.o.
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UAS - Multiple Main AS Partners

SX14b.m. In the past 12 months, with how many of these [fill with # of main AS partners (SX14a.m)] men did you have anal sex without using a condom?

M_MMUAS M_MM UAS partners - 12 months - number

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX14b.m. If # main UAS partners GT main AS partners (SX14b.m GT SX14a.m) DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male main anal sex partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX14b.m. Else, go to Check_INTRO_SX15a.o.

M_M: Casual Ps - Anal Sex, 12m

Check_INTRO_SX15a.o. If 1 casual partner (SX12 EQ 2 or SX13b EQ 1), go to INTRO_SX15a.o.
If multiple casual partners (SX13b GT 1), go to INTRO_SX15a.m.
If R reports no casual partners ((SX11 EQ 1 & SX12 EQ 1, DK, or REF) or ((SX11 GT 1) & (SX13b EQ 0, DK, or REF)), or (SX11 EQ SX13a)), go to CALC_BEGLP.

AS - One Casual Partner

INTRO_SX15a.o. DISPLAY: "Now I'm going to ask you about the male casual sex partner you had in the past 12 months. Remember, a casual sex partner is someone you do not feel committed to or don't know very well."

SX15a.o. In the past 12 months, did you have anal sex with this man?

M_MO1AS M_MC AS partner - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX15a.m Go to Check_SX15b.o.

.

AS - Multiple Casual Partners

INTRO_SX15a.m DISPLAY: "Now I'm going to ask you about the [fill with # casual partners (SX13b)] male casual sex partners you had in the past 12 months. Remember, a casual sex partner is someone you do not feel committed to or don't know very well."

SX15a.m. Of your [fill with # casual partners (SX13b)] male casual partners in the past 12 months, with how many did you have anal sex?

M_MOAS M_MC AS partners - 12 months - number

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX15a.m. If # male casual AS partners GT # male casual partners (SX15a.m. GT SX13b), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male casual partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX15a.m. Else, go to Check_SX15b.o.

Check_SX15b.o. If 1 casual AS partner ((SX15a.o EQ 1) or (SX15a.m. EQ 1)), go to SX15b.o.
If multiple casual AS partners (SX15a.m GT 1), go to SX15b.m.
If no casual AS partners ((SX15a.o EQ 0, DK, or REF) or (SX15a.m EQ 0, DK, or REF)), go to Check_SX15c.o.

UAS - One Casual AS Partner

SX15b.o. In the past 12 months, did you have anal sex with him without using a condom?

M_MO1UAS M_MC UAS partner - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX15b.m. Go to Check_SX15c.o.

UAS - Multiple Casual AS Partners

SX15b.m. In the past 12 months, with how many of these [fill with # casual AS partners (SX15a.m)] men did you have anal sex without using a condom?

M_MOUAS M_MC UAS partners - 12 months - number

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX15b.m. If # casual UAS partners GT # of casual AS partners (SX15b.m. GT SX15a.m.), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male casual anal sex partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX15b.m. Else, go to Check_SX15c.o.

M M: Casual Ps - Exchange Sex, 12m

Check_SX15c.o. If 1 male casual partner (SX12 EQ 2 or SX13b EQ 1), go to SX15c.o. If multiple male casual partners (SX13b GT 1), go to SX15c.m. If R reports no male casual partners ((SX11 EQ 1 & SX12 EQ 1, DK, or REF) or ((SX11 GT 1) & (SX13b EQ 0, DK, or REF) OR (SX11 EQ SX13a)), go to CALC_BEGLP.

EX - One Casual Partner

SX15c.o. In the past 12 months, did you give this man money or drugs in exchange for having sex with you?

M_MO1EG M_MO Single exchange gave

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

SX15d.o. In the past 12 months, did this man give you money or drugs to have sex with him?

M_MO1ER M_MO1 Single exchange received

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

Check_SX15c.m. Go to CALC_BEGLP.

EX - Multiple Casual Partners

SX15c.m. Of your [fill with casual partners (SX13b)] male casual partners in the past 12 months, how many did you give money or drugs in exchange for having sex with you?

M_MOMEG M_MO Multiple exchange gave

- — — —
- Range.....0:7000
 - Don't Know.....9999
 - Refuse to Answer.....7777

HardEdit_SX15c.m. If # exchange partners GT # casual partners (SX15c.m GT SX13b), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male casual partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX15c.m.
Else, go to SX15d.m.

SX15d.m. Of your [fill with # casual partners (SX13b)] male casual partners in the past 12 months, how many gave you money or drugs to have sex with them?

M_MOMER M_MO Multiple exchange received

- — — —
- Range.....0:7000
 - Don't Know.....9999
 - Refuse to Answer.....7777

HardEdit_SX15d.m. If # exchange partners GT # casual partners (SX15d.m GT SX13b), DISPLAY: "**INTERVIEWER:** The response entered is inconsistent with a prior response (number of male casual partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX15d.m.
Else, go to CALC_BEGLP.

Check_F_MSeries. Go to Last Partner Series (LPSeries).

Universe_F_MSeries. All female Rs.

F_MSeries: Female Rs – Male Sex Partners

INTRO_F_MSeries [Give Respondent Flashcard I.]
.
On next screen, DISPLAY: "For these questions, "having sex" means oral, vaginal, or anal sex. Oral sex means mouth on the vagina or penis, vaginal sex means penis in the vagina, and anal sex means penis in the anus or butt. I need to ask you all the questions, even if some may not apply to your situation."

F_M: Sex with male Ps, lifetime

Check_SX17. If IDU cycle (CYCLE EQ 2), go to SX17.
If HET cycle (CYCLE EQ 3), go to SX18.

SX17. Have you ever had vaginal sex or anal sex with a man?

F_MEVER F_M sex y/no

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX18. If R ever had sex with male partner (SX17 EQ 1), go to SX18.
Else, go to CALC_F_MHET.

SX18. How old were you the first time you had vaginal or anal sex with a man?

F_MDEBUT F_M Age at sexual debut

— —

Range.....0-70

Don't Know.....99

Refuse to Answer.....77

HardEdit_SX18. If age of first sex greater than current age (SX18 GT AGE), DISPLAY: "INTERVIEWER: The age of first sex cannot be greater than respondent's current age ([fill with R's age (AGE)]). Please clarify and re-enter response." Then, go back to SX18.
Else, go to SX19.

F M: Total Ps, 12m

SX19. In the past 12 months, that is, since [fill with interview month, formatted as text] of last year, with how many different men have you had oral, vaginal, or anal sex?

F_MSX12 F_M Number of male sex partners - 12 months

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

Check_SX19conf If HET cycle (CYCLE EQ 3) & R reports 0 male partners (SX19 EQ 0), go to SX19conf.
. Else, go to Check_INTRO_SX20.

SX19conf. I would like to clarify your response. You indicated that you have not had sex with a man in the past 12 months. Is that correct?

C_F_M F_M Conf. had sex in past year - HET

No - HAS had male partner..... 0

Yes - Has NOT had male partner..... 1

Don't Know..... 9

Refuse to Answer..... 7

HardEdit_SX19conf. If R reports sex with a man in past 12 months (SX19conf. EQ 0), DISPLAY: "**INTERVIEWER:** Please clarify then re-enter the number of men respondent had sex with in the past 12 months." Then, go back to SX19. Else, go to Check_INTRO_SX20.

Check_INTRO_SX20. If R does not report sex with a man in past 12 months (SX19 EQ 0, DK or REF) or (SX19conf EQ 1, DK, or REF), go to CALC_F_MHET.
 If R reports 1 sex partner (SX19 EQ 1), go to INTRO_SX20.
 If R reports more than 1 sex partner (SX19 GT 1) go to INTRO_SX21a.

F M: Total Main & Casual Ps, 12m

One Partner (.o)

INTRO_SX20. On one screen, DISPLAY: "Now I'm going to ask you to describe this sex partner as either a main or casual partner.

 [Give Respondent Flashcard L.]"

 On next screen, DISPLAY: "By "main partner" I mean a man you have sex with and who you feel committed to above anyone else. This is a partner you would call your boyfriend, husband, significant other, or life partner. And by "casual partner" I mean a man you have sex with but do not feel committed to or don't know very well."

SX20. Was this man a main partner or a casual partner?

F_M1SX

F_M Type of partner - single

- Main partner..... 1
- Casual partner..... 2
- Don't Know..... 9
- Refuse to Answer..... 7

Check_INTRO_SX21a. Go to Check_INTRO_SX22a.o.

Multiple Partners (.m)

INTRO_SX21a. On one screen, DISPLAY: "Now I'm going to ask you to describe these sex partners as either main or casual partners.

 [Give Respondent Flashcard L.]"

On next screen, DISPLAY: "By "main partner" I mean a man you have sex with and who you feel committed to above anyone else. This is a partner you would call your boyfriend, husband, significant other, or life partner. And by "casual partner" I mean a man you have sex with but do not feel committed to or don't know very well."

SX21a. Of the [fill with # male partners (SX19)] men you've had oral, vaginal, or anal sex within the past 12 months, how many of them were main partners?

F_MMSX F_MM Number of main partners - 12 months

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX21a. If # main partners GT # male partners (SX21a GT SX19), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX21a. Else, go to Check_SX21b.

Check_SX21b. If # male main partners EQ # male partners (SX21a EQ SX19), go to INTRO_SX22a.m. Else, go to SX21b.

SX21b. How many were casual partners?

F_MCSX F_MC Number of casual partners - 12 months

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX21b. If # casual partners GT # male partners (SX21b GT SX19), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX21b. If # main & casual partners NE # male partners (SX19 GT 1) & ((SX21a NE DK or REF) & (SX21b NE DK or REF)) & ((SX21a + SX21b) NE SX19), DISPLAY: "INTERVIEWER: The number of main and casual partners is not equal to the total number of male partners. Clarify and re-enter response to current or prior item as needed." Then, go back to SX21a. Else, go to Check_INTRO_SX22a.o.

F M: Main Ps - Vaginal Sex, 12m

Check_INTRO_SX22a.o If 1 main partner (SX20 EQ 1 or SX21a EQ 1), go to INTRO_SX22a.o.
 . If multiple main partners (SX21a GT 1), go to INTRO_SX22a.m.
 If no main partners (SX19 EQ 1 & SX20 EQ 2, DK, or REF) or ((SX19 GT 1) & (SX21a EQ 0, DK, or REF)), go to
 Check_INTRO_SX23a.o.

VS - One Main Partner

INTRO_SX22a.o. DISPLAY: "Now I'm going to ask you about the male main sex partner you had in the past 12 months."

SX22a.o. In the past 12 months, did you have vaginal sex with this man?

F_MM1VS F_MM VS partners - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_INTRO_SX22a.m. Go to Check_SX22b.o.

VS - Multiple Main Partners

INTRO_SX22a.m DISPLAY: "Now I'm going to ask you about the [fill with # main partners (SX21a)] male main sex partners you had in
 . the past 12 months."

SX22a.m. Of your [fill with # main partners (SX21a)] male main partners in the past 12 months, with how many did you have vaginal sex?

F_MMVS F_MM VS partners - 12 months - number

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX22a.m. If # main VS partners GT # main partners (SX22a.m. GT SX21a), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male main partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX22a.m.
 Else, go to Check_SX22b.o.

Check_SX22b.o. If 1 main VS partner (SX22a.o EQ 1 or SX22a.m EQ 1), go to SX22b.o.
 If multiple main VS partners (SX22a.m GT 1), go to SX22b.m.
 If no main VS partners (SX22a.o EQ 0, DK, or REF) or (SX22a.m. EQ 0, DK, or REF), go to Check_SX22c.o.

UVS - One Main VS Partner

SX22b.o. In the past 12 months, did you have vaginal sex with him without using a condom?

F_MM1UVS F_MM UVS partners - 12 months - y/n

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

Check_SX22b.m. Go to Check_SX22c.o.

UVS - Multiple Main VS Partners

SX22b.m. In the past 12 months, with how many of these [fill with # VS partners (SX22a.m)] men did you have vaginal sex without using a condom?

F_MMUVS F_MM UVS partners - 12 months - number

-
- Range.....0-7000
 - Don't Know.....9999
 - Refuse to Answer.....7777

HardEdit_SX22b.m. If # UVS partners GT # VS partners (SX22b.m. GT SX22a.m.), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male main vaginal sex partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX22b.m.

Else, go to Check_SX22c.o.

Check_SX22c.o. If 1 main partner (SX20 EQ 1 or SX21a EQ 1), go to SX22c.o.
Else, go to SX22c.m.

F M: Main Ps - Anal Sex, 12m

AS - One Main Partner

SX22c.o. In the past 12 months, did you have anal sex with this man?

F_MM1AS F_MM AS partners - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX22c.m Go to Check_SX22d.o.

AS - Multiple Main Partners

SX22c.m. Of your [fill with # main partners (SX21a)] male main partners in the past 12 months, with how many did you have anal sex?

F_MMAS F_MM AS partners - 12 months - number

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX22c.m. If # main AS partners GT # main partners (SX22c.m. GT SX21a), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male main partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX22c.m.
Else, go to Check_SX22d.o.

Check_SX22d.o. If 1 main AS partner ((SX22c.o EQ 1) or (SX22c.m EQ 1)), go to SX22d.o.
 If GT 1 main AS partner (SX22c.m GT 1), go to SX22d.m.
 If no main AS partners ((SX22c.o EQ 0, DK, or REF) OR (SX22c.m EQ 0, DK, or REF)), go to Check_INTRO_SX23a.o.

UAS - One Main AS Partner

SX22d.o. In the past 12 months, did you have anal sex with him without using a condom?

F_MM1UAS F_MM UAS partners - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX22d.m Go to Check_INTRO_SX23a.o.
 .

UAS - Multiple Main AS Partners

SX22d.m. In the past 12 months, with how many of these [fill with # AS partners (SX22c.m)] men did you have anal sex without using a condom?

F_MMUAS F_MM UAS partners - 12 months - number

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX22d.m. If # UAS partners GT # AS partners (SX22d.m. GT SX22c.m), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male main anal sex partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX22d.m.
 Else, go to Check_INTRO_SX23a.o.

F M: Casual Ps - Vaginal Sex, 12m

Check_INTRO_SX23a.o If 1 casual partner (SX20 EQ 2 or SX21b EQ 1), go to INTRO_SX23a.o.

. If multiple casual partners (SX21b GT 1), go to INTRO_SX23a.m.
 If R reports no casual partners (SX19 EQ 1 & SX20 EQ 1, DK, or REF) or ((SX19 GT 1) & (SX21b EQ 0, DK, or REF)), or (SX19 EQ SX21a),go to CALC_F_MHET.

VS - One Casual Partner

INTRO_SX23a.o. DISPLAY: "Now I'm going to ask you about the male casual sex partner you had in the past 12 months. Remember, a casual sex partner is someone you do not feel committed to or don't know very well."

SX23a.o. In the past 12 months, did you have vaginal sex with this man?
 F_MO1VS F_MC VS partner - 12 months - y/n

No..... 0
 Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

Check_INTRO_SX23a.m. Go to Check_SX23b.o.

VS - Multiple Casual Partners

INTRO_SX23a.m . DISPLAY: "Now I'm going to ask you about the [fill with # casual partners (SX21b)] male casual sex partners you had in the past 12 months. Remember, a casual sex partner is someone you do not feel committed to or don't know very well."

SX23a.m. Of your [fill with # casual partners (SX21b)] male casual partners in the past 12 months, with how many did you have vaginal sex?
 F_MCVS F_MC VS partners - 12 months - number

 Range.....0-7000
 Don't Know.....9999
 Refuse to Answer.....7777

HardEdit_SX23a.m. If # casual VS partners GT # casual partners (SX23a.m. GT SX21b), DISPLAY: "INTERVIEWER: The response entered

is inconsistent with a prior response (number of male casual partners). Clarify and re-enter response to current or prior item as needed." Then, go back to SX23a.m.
Else, go to Check_SX23b.o.

Check_SX23b.o. If 1 casual VS partner (SX23a.o EQ 1 or SX23a.m. EQ 1), go to SX23b.o.
If multiple casual VS partners (SX23a.m GT 1), go to SX23b.m.
If no casual VS partners ((SX23a.o EQ 0, DK, or REF) or (SX23a.m. EQ 0, DK, or REF)), go to Check_SX23c.o.

UVS - One Casual VS Partner

SX23b.o. In the past 12 months, did you have vaginal sex with him without using a condom?

F_MO1UVS

F_MC UVS partner - 12 months - y/n

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

Check_SX23b.m Go to Check_SX23c.o.
.

UVS - Multiple VS Casual Partners

SX23b.m. In the past 12 months, with how many of these [fill with casual VS partners (SX23a.m)] men did you have vaginal sex without using a condom?

F_MCUVS

F_MC UVS partners - 12 months - number

-
- Range.....0-7000
- Don't Know.....9999
- Refuse to Answer.....7777

HardEdit_SX23b.m. If # casual UVS partners GT # VS partners (SX23b.m. GT SX23a.m), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male casual vaginal sex partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX23b.m.
Else, go to SX23c.m.

Check_SX23c.o. If 1 casual male partner (SX20 EQ 2 or SX21b EQ 1), go to SX23c.o.
Else, go to SX23c.m.

F M: Casual Ps - Anal Sex, 12m

AS - One Casual Partner

SX23c.o. In the past 12 months, did you have anal sex with this man?

F_MO1AS F_MC AS partner - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX23c.m. Go to Check_SX23d.o.

AS - Multiple Casual Partner

SX23c.m. Of your [fill with # casual partners (SX21b)] male casual partners in the past 12 months, with how many did you have anal sex?

F_MCAS F_MC AS partners - 12 months - number

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX23c.m. If # casual AS partners GT # casual partners (SX23c.m. GT SX21b), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male casual partners). Clarify and re-enter response to current or prior item as needed. " Then, go back to SX23c.m.
Else, go to Check_SX23d.o.

Check_SX23d.o. If 1 casual AS partner ((SX23c.o EQ 1) or (SX23c.m EQ 1)), go to SX23d.o.
If multiple casual AS partners (SX23c.m GT 1), go to SX23d.m.
If no casual AS partners ((SX23c.o EQ 0, DK, or REF) or (SX23c.m EQ 0, DK, or REF)), go to Check_SX23e.o.

UAS - One Casual AS Partner

SX23d.o. In the past 12 months, did you have anal sex with him without using a condom?

F_MO1UAS

F_MC UAS partner - 12 months - y/n

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX23d.m Go to Check_SX23e.o.
.

UAS - Multiple AS Casual Partners

SX23d.m. In the past 12 months, with how many of these [fill with # casual AS partners (SX23c.m)] men did you have anal sex without using a condom?

F_MCUAS

F_MC UAS partners - 12 months - number

Range.....0:7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX23d.m. If # casual UAS partners GT # casual AS partners (SX23d.m GT SX23c.m), DISPLAY: "**INTERVIEWER:** The response entered is inconsistent with a prior response (number of male casual anal sex partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX23d.m. Else, go to Check_SX23e.o.

Check_SX23e.o. If 1 casual partner (SX20 EQ 2 or SX21b EQ 1), go to SX23e.o. If multiple casual partners (SX21b GT 1), go to SX23e.m.

F M: Casual Ps - Exchange Sex, 12m

EX - One Casual Partner

SX23e.o. In the past 12 months, did this man give you money or drugs to have sex with him?

F_MC1ER F_MC1 Single exchange received

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX23e.m. Go to CALC_F_MHET.

EX - Multiple Casual Partners

SX23e.m. **Of your [fill with # casual partners (SX21b)] male casual partners in the past 12 months, how many gave you money or drugs to have sex with them?**

F_MCMER F_MC Multiple exchange received

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX23e.m. If # casual exchange partners GT # casual partners (SX23e.m GT SX21b), DISPLAY: "INTERVIEWER: The response entered is inconsistent with a prior response (number of male casual partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX23e.m. Else, go to CALC_F_MHET.

CALC_F_MHET.

F_MHET F_M HET sex (Y/N) $F_MHET = IF ((F_MSX12=.DK \text{ or } F_MSX12=.REF), 9, IF ((F_MSX12=0), 0, IF((F_MSX12=1), 1, if ((F_MSX12>1), 1, 0))))$

Check_CALC_BEGLP. If HET cycle & R did not report 1+ opposite-sex partners (CYCLE EQ 3 & F_MHET NE 1), go to CALC_ENDCORE. Else, go to CALC_BEGLP.

LastPartnerSeries

CALC_BEGLP.

BEGLP Time at beginning of Last Partner series BEGLP = Current time

CALC_ASANY12M.

ASANY12M Any anal sex, 12m, for LP logic If R reported anal sex in p 12m (M_FM1AS or M_FMAS or M_FO1AS or M_FOAS or M_MM1AS or M_MMAS or M_MO1AS or M_MOAS or F_MM1AS or F_MMAS or F_MO1AS or F_MCAS GE 1 & NE DK, REF, or SK), ASANY12M=1. Else, ASANY12M=0.

CALC_EXANY12M.

EXANY12M Any exchange sex, 12m, for LP logic If R reported exchange sex in p12m, (M_FO1EG or M_FOMEG, or M_MO1EG or M_MOMEG or M_MO1ER or M_MOMER or F_MC1ER or F_MCMER GE 1 & NE DK, REF, or SK), EXANY12M=1. Else, EXANY12M=0.

Check_INTRO_LPSeries. If R is male & 1+ male or female sex partners 12m (ES8a EQ 1 & (M_FHET EQ 1 or M_MSX12 GE 1)) or R is female & had 1+ male sex partners 12m (ES8a EQ 2 & F_MHET EQ 1), go to INTRO_LPSeries. Else go to Check_SX50.

Universe_LPSeries. Male and female Rs with 1+ opposite sex or male-male partner in the past 12 months.

INTRO_LPSeries. DISPLAY: "The next questions are about the last time you had sex [if R is female (ES8a EQ 2), fill with "with a man"]."

LPSeries: Last Sex Date

INTRO_SX30. DISPLAY: "First, please think about the last time you had [if R is male & reported only male partners 12m (ES8a EQ 1 & M_MSX12 GE 1 & M_FHET NE 1), fill with "oral or anal", else, fill with "oral, vaginal, or anal"] sex [if R is female (ES8a EQ 2), fill with "with a man"]."

SX30. **When was the last time you had** [If R is male & reported only male partners 12m (ES8a EQ 1 & M_MSX12 GE 1 & M_FHET NE 1), fill with "oral or anal", else fill with "oral, vaginal or anal"] **sex** [if R is female (ES8a EQ 2), fill with "with a man"]? **Just tell me the month and year.**

LPDATE LP: date of most recent sex

___ / ___ - ___

Range (Year).....1900 - 2100
 Don't Know (Year)..... 9999
 Refuse to Answer (Year)..... 7777

CALC_LPDATE_C.
 LPDATE_C Century month version of
 LPDATE date $LPDATE_C = ((LPDATEY - 1900) * 12) + LPDATEM.$

Check_HardEdit_SX30. If R did not report date of last sex with LP (SX30 EQ DK or REF), go to Check_SX31.
 Else, go to HardEdit_SX30.

HardEdit_SX30. If R's date of last sex with LP after date of interview (LPDATE_C GT IDATE_C), DISPLAY: "**INTERVIEWER:** The date respondent last had sex cannot be after today's date." Then, go back to SX30.

 If date of last sex is more than 12 months before interview [(LPDATEM is missing) and ((IDATEY-LPDATEY) GE 2)] or (LPDATE_C LT AGO12M_C), DISPLAY: "**INTERVIEWER:** Response entered is inconsistent with prior response (reported at least one sex partner in past 12 months). Clarify and re-enter response to current or prior item as needed." Then, go back to SX30.

 Else, go to Check_SX31.

LP Series: LP Gender

Check_SX31. If R is male (ES8a EQ 1), go to SX31.
 Else go to SX32.

SX31. Is the person you had sex with that last time male or female?

LPGENDR LP: Gender

Male..... 1
 Female..... 2
 Don't Know..... 9
 Refuse to Answer..... 7
 Not Applicable..... 8

LP Series: LP Type

Check_SX32. If R is male (E8a EQ1) and LP gender NOT reported (SX31 EQ DK, REF, or NA), go to CALC_ENDSX.
Else, go to SX32.

Was the [if LP is male (SX31 EQ 1) or R is female (E8a EQ 2), fill with "man"; if LP is female (SX31 EQ 2), fill with "woman"] **you had sex with that last time a main partner or a casual partner?**

SX32. [Give Respondent Flashcard N.]

LPTYPE LP: type

- Main partner..... 1
- Casual partner..... 2
- Don't Know..... 9
- Refuse to Answer..... 7

LP Series: Last Sex Event

LP: Last Sex - Exchange Sex

Check_SX33a. If LP is male or R is female (SX31 EQ 1 or E8a EQ 2), and LP is casual (SX32 EQ 2) & R reported exchange sex 12m (EXANY12M EQ 1), go to SX33a.
Else, go to Check_SX33b.

SX33a. **When you had sex that last time, did he give you money or drugs to have sex with him?**

LPEXREC LP: Received money/drugs for sex at last event

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

Check_SX33b. If R is male (E8a EQ 1) and LP is casual (SX32 EQ 2) & R reported exchange sex 12m (EXANY12M EQ 1), go to SX33b.
Else, go to Check_SX34a.

SX33b. When you had sex that last time, did you give [if LP is female (SX31 EQ 2), fill with "her"; Else, if LP is male (SX31 EQ 1), fill with "him"] money or drugs in exchange for having sex with you?

LPEXGAV

LP: Gave money/drugs for sex at last event

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

LP: Last Sex - Vaginal Sex

Check_SX34a. If R is male and LP is male (ES8a EQ 1 and SX31 EQ 1), go to SX35a. Else, go to SX34a.

SX34a. When you had sex that last time, did you have vaginal sex?

LPLVS

LP: VS at last event

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

Check_SX34b. If R reported vaginal sex at last event (SX34a EQ 1), go to SX34b. Else, go to Check_SX34c.

SX34b. During vaginal sex that last time, did you or your partner use a condom the whole time?

LPLVSCT

LP: Used condom during VS at last event

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

LP: Last Sex - Anal Sex

Check_SX34c. If R reported anal sex in past 12m (ASANY12M EQ 1), go to SX34c.
Else, go to SoftEdit_SX34c.

SX34c. When you had sex that last time, did you have anal sex?

LPLAS LP: Opp-sex AS at last event

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

SoftEdit_SX34c. If no vaginal or anal sex at last event with LP (SX34a EQ 0) & (SX34c EQ 0 or SK), DISPLAY: "So, this means you only had oral sex the last time you had sex?" **INTERVIEWER:** If this is incorrect, GO BACK to the previous screens and re-enter the correct response. Then go to SX36a.
Else, go to Check_SX34d.

Check_SX34d. If R had AS with opposite gender partner at last sex (SX34c EQ 1), go to SX34d.
Else go to SX36a.

SX34d. During anal sex that last time, did [if R is male (ES8a EQ 1), fill with "you", if R is female (ES8a EQ 2), fill with "he"] use a condom the whole time?

LPLASCT LP: Used condom during opp-sex AS at last event

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

Check_SX35a. Go to SX36a.

LP: Last Sex - Anal Sex, Receptive

SX35a. When you had sex that last time, did you have receptive anal sex where he put his penis in your anus or butt?

LPLRAS LP: Receptive AS at last event

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

Check_SX35b. If male R had RAS with male partner at last sex (SX35a EQ 1), go to SX35b. Else go to SX35c.

SX35b. During receptive anal sex that last time, did he use a condom the whole time?

LPLRASCT LP: Condom use during RAS at last event

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

LP: Last Sex - Anal Sex, Insertive

SX35c. When you had sex that last time, did you have insertive anal sex where you put your penis in his anus or butt?

LPLIAS LP: Insertive AS at last event

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

SoftEdit_SX35c. If no RAS or IAS at last event (SX35a EQ 0 & SX35c EQ 0), DISPLAY: "So, this means you only had oral sex the last time you had sex?" **INTERVIEWER:** If this is incorrect, GO BACK to the previous screens and re-enter the correct response. Then, go to SX36a. Else, go to Check_SX35d.

Check_SX35d. If male R had IAS with male partner at last sex (SX35c EQ 1), go to SX35d.
Else go to SX36a.

SX35d. During insertive anal sex that last time, did you use a condom the whole time?

LPLIASCT LP: Condom use during IAS at last event

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

LP: Last Sex – Partner HIV status

SX36a. The last time you had sex with this partner, did you know [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "his"; if LP is female (SX31 EQ 2), fill with "her"] HIV status?

LPKNWSTS LP: Knew partner HIV status at last event

- No..... 0
- Yes..... 1
- Refuse to Answer..... 7

Check_SX36b. If R knew LP HIV status (SX36a EQ 1), go to SX36b.
Else, go to SX37a.

What was [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "his"; if LP is female (SX31 EQ 2), fill with "her"] HIV status?

SX36b. [DO NOT read choices.]

LPHIVSTS LP: Partner HIV status at last event

- HIV-negative..... 1
- HIV-positive..... 2
- Indeterminate..... 3

Refuse to Answer..... 7

LP: Last Sex – Partner ART Use

Notes_PartnerARTUse. See [Measure References](#).

Check_SX36c. If LP HIV-positive (SX36b EQ 2), go to SX36c.
Else, go to SX37a.

SX36c. **Did** [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"] **tell you whether** [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"] **was taking antiretroviral medicines or ART to treat** [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "his"; if LP is female (SX31 EQ 2), fill with "her"] **HIV infection?**

LPARTDS LP: Whether P disclosed ART use

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX36d. If LP disclosed ART use, (SX36c EQ 1), go to SX36d.
Else, go to SX37a.

SX36d. **Did** [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"] **say** [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"] **WAS taking antiretroviral medicines or was NOT taking antiretroviral medicines?**

LPONART LP: HIV+ partner on ART at last event

No, partner was NOT taking ART..... 0

Yes, partner WAS taking ART..... 1

Don't Know..... 9

Refuse to Answer..... 7

LP: Last Sex – Partner VL status

INTRO_SX36e. A person with HIV whose amount of virus in their body is very low may be told by a health care provider that their

HIV viral load is undetectable.

SX36e. The last time you had sex with this partner, was their viral load undetectable, detectable, or you didn't know?

- LPVL LP: HIV+ partner VL status
- Undetectable..... 1
 - Detectable..... 2
 - Didn't know..... 3
 - Refuse to Answer..... 7

LP Series: Partner characteristics

LP: Age

SX37a. Was this partner younger than you, older than you, or the same age as you?

- LPAGERL LP: Relative age
- Younger..... 0
 - Older..... 1
 - Same age..... 2
 - Don't Know..... 9
 - Refuse to Answer..... 7

Check_SX37b. If LP is older than R (SX37a EQ 1), go to SX37b.
Else, go to SX38.

SX37b. What was [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "his"; if LP is female (SX31 EQ 2), fill with "her"] age?

- LPAGEY LP: Age in years
- — —
- Range..... 0-100
 - Don't Know..... 999

Refuse to Answer.....777

HardEdit_SX37b. If LP's age is less than R's age (SX37b LT AGE), DISPLAY: "**INTERVIEWER:** The response entered is inconsistent with a prior response (R reported that partner was older than them). Clarify and re-enter response to current or prior item as needed." Then, go back to SX37b. Else, go to SX38.

[Give Respondent Flashcard M.]

Which of the following best describes [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "his"; if LP is female (SX31 EQ 2), fill with "her"] **racial or ethnic background? You may choose more than one option.**

SX38. [READ choices. CHECK ALL that apply.]

LPRCETH LP: race / ethnicity

LPRCETHA American Indian or Alaska Native

LPRCETHB Asian

LPRCETHC Black or African American

LPRCETHD Hispanic or Latino

LPRCETHE Native Hawaiian or Other Pacific Islander

LPRCETHF White

Don't Know..... 9

Refuse to Answer..... 7

LP: Relationship Length

How long have you been having a sexual relationship with this partner? Please tell me how many days, months, or years.

SX39a. [INTERVIEWER: If "one night stand," enter 0.]

LPLT_N LP: Relationship length - Number

— — —

Range.....0-365

Don't Know.....999
 Refuse to Answer.....777

Check_SX39b. If relationship length at least one day (SX39a NE 0, DK or REF), go to SX39b. Else, go to CALC_LPRLLE1Y.

SX39b. INTERVIEWER: Was this days or months or years?

LPLT_U LP: Relationship length - Unit

Days..... 0
 Months..... 1
 Years..... 2

CALC_LPRLLE1Y. LPRLLE1Y	Sexual relationship length for LP logic	If (LPLT_U=0 & LPLT_N<=365) or (LPLT_U=1 & LPLT_N<=12) or (LPLT_U=2 & LPLT_N<=1), LPRLLE1Y=1. Else, LPRLLE1Y=0.
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LP: Partner risk

INTRO_SX40a. DISPLAY: "Now I'm going to ask you some questions about experiences your partner may have had."

[Give Respondent Flashcard O.]

As far as you know, has [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"] **ever injected drugs like heroin, cocaine, or speed? Would you say** [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"]:

SX40a. [READ choices.]

LPIDU LP: Ever injected

Definitely did not..... 0
 Probably did not..... 1
 Probably did..... 2
 Definitely did..... 3
 Don't Know..... 9
 Refuse to Answer..... 7

As far as you know, has [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"] ever used crack cocaine? Would you say [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"]:

SX40b.

[READ choices.]

LPCRACK

LP: Ever used crack

- Definitely did not..... 0
- Probably did not..... 1
- Probably did..... 2
- Definitely did..... 3
- Don't Know..... 9
- Refuse to Answer..... 7

As far as you know, has [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"] ever been in prison or jail for more than 24 hours? Would you say [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"]:

SX40c.

[READ choices.]

LPJAIL

LP: Ever incarcerated

- Definitely did not..... 0
- Probably did not..... 1
- Probably did..... 2
- Definitely did..... 3
- Don't Know..... 9
- Refuse to Answer..... 7

Check_SX40d. If R is female (ES8a EQ 2), go to SX40d.
Else go to Check_SX41a.

As far as you know, has he ever had sex with other men? Would you say he:

SX40d.

[READ choices.]

LPMSM

LP: Ever MSM

- Definitely did not..... 0
- Probably did not..... 1
- Probably did..... 2
- Definitely did..... 3
- Don't Know..... 9
- Refuse to Answer..... 7

LP: Concurrency

Check_SX41a. If relationship was a one night stand (LPLT_N=0) or R did not report relationship length (LPLT_N EQ DK or REF), go to CALC_ENDLP.
 If relationship length GT 1y (LPRLLE1Y EQ 0), go to SX42a.
 Else, if relationship length LE 1y (LPRLLE1Y EQ 1), go to SX41a.

As far as you know, during the time you were having a sexual relationship with this partner, did [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"] **have sex with other people? Would you say** [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"]:

SX41a. [READ choices.]

LPPOTH LP had other partners- relat ≤12m

- Definitely did not..... 0
- Probably did not..... 1
- Probably did..... 2
- Definitely did..... 3
- Don't Know..... 9
- Refuse to Answer..... 7

SX41b. During the time you were having a sexual relationship with this partner, did you have sex with other people?

LPROTH LP: R had other partners- relat ≤12m

- No..... 0
- Yes..... 1
- Don't Know..... 9

Refuse to Answer..... 7

Check_SX42a. Go to CALC_ENDLP.

As far as you know, during the past 12 months when you were having a sexual relationship with this partner, did [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"] have sex with other people? Would you say [if LP is male (SX31 EQ 1) or R is female (ES8a EQ 2), fill with "he"; if LP is female (SX31 EQ 2), fill with "she"]:

SX42a. [READ choices.]

LPPOTHYR LP had other partners- relat >12m

- Definitely did not..... 0
- Probably did not..... 1
- Probably did..... 2
- Definitely did..... 3
- Don't Know..... 9
- Refuse to Answer..... 7

During the past 12 months when you were having a sexual relationship with this partner, did you have sex with other people?

SX42b.

LPROTHYR LP: R had other partners- relat >12m

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

CALC_ENDLP.

ENDLP Time at end of last partner series ENDLP = Current time

Check_SX50. If R is cisgender woman (ES8a EQ 2 & ES8b EQ 2), go to SX50. Else, go to CALC_ENDSX.

F F: Total Ps, 12m

SX50. Now I'm going to ask you about having sex with other women. In the past 12 months, with how many different women have you had sex?

F_FSXYR F_F Number of female sex partners - 12 months

— — — —

Range.....0-1000

Don't Know.....9999

Refuse to Answer.....7777

Check_TMSeries. Go to CALC_ENDSX.

TMSeries: Trans men

Universe_TMSeries. MSM cycle Rs who are trans men, men assigned intersex at birth, or nonbinary and assigned male at birth.

TM: Sex 12m

INTRO_TMSeries. DISPLAY: " Many of the next questions refer to sexual body parts and use medical words to describe them. These might not be the words you use and may be uncomfortable to hear. Remember that you can skip any question you don't want to answer and you can stop the interview at any time.

For this survey:
Penis means a flesh penis, not a toy, prosthetic, or fingers.
Oral sex means mouth on the genitals.
Anal sex means a penis in the anus.
Vaginal or frontal sex means a penis in the vagina or front hole."

SX60a. In the past 12 months, that is, since [fill with interview month, formatted as text] of last year, have you had oral sex?

TM_OS12M TM: Oral sex 12m

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

SX60b. In the past 12 months, that is, since [fill with interview month, formatted as text] of last year, have you had

anal sex?

TM_AS12M

TM: Anal sex 12m

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

SX60c.

In the past 12 months, that is, since [fill with interview month, formatted as text] of last year, have you had vaginal or frontal sex?

TM_VFS12M

TM: Vaginal or frontal sex 12m

- No.....0.....
- Yes.....1.....
- Don't Know.....9.....
- Refuse to Answer.....7.....

Check_SX61.	If R had oral sex, anal sex, or vaginal or frontal sex (SX60a EQ 1 OR SX60b EQ 1 OR SX60c EQ 1), go to SX61. Else, go to CALC_ENDSX.
--------------------	--

SX61.	In the past 12 months, with how many different people have you had oral, anal, vaginal, or frontal sex?
TM_PS12M	TM: Total partners - 12m

	Range.....Q:7000
	Don't Know.....9999
	Refuse to Answer.....7777

HardEdit_SX61.	If no Ps 12m (SX61 EQ 0), DISPLAY “ INTERVIEWER: Response is inconsistent with prior responses (R had oral sex, anal sex, vaginal or frontal sex). Clarify responses to types of sex in past 12 months and re-enter responses.” Then, go back to SX60a. Else, go to Check_INTRO_SX62a.
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Check_INTRO_SX62a.	If R reported 1 or more Ps 12m (SX61 GE 1 & SX61 LE 7000), go to SX62a. Else, go to CALC_ENDSX.
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INTRO_SX62a.	In the next questions, I'll refer to [if 1 P 12m (SX61 EQ 1), fill with “that person”, if more than 1 P 12m, (SX61
---------------------	--

GT 1), fill with "those (fill with # from SX61) people"] as your sex [if 1 P 12m (SX61 EQ 1), fill with "partner", if more than 1 P 12m, (SX61 GT 1), fill with "partners"].

Check_SX61. If R had 1 P 12m (SX61 EQ 1), go to SX62a.
If R had 2 or more Ps 12m (SX61 GE 2 & SX61 LE 7000), go to SX63a.

SX62a. Which of the following best describes your sex partner?

[READ choices. CHECK only ONE.]

TM_1PGEN TM: Gender of only partner 12m

Man.....1.....

Woman.....2.....

Nonbinary.....3.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_SX62a. If R's only P 12m was a man (SX62a EQ 1), go to SX62b.
Else, go to INTRO_SX65a.

SX62b. As far as you know, is that man cisgender?

TM_1PCISMAN TM: Only partner 12m was cisgender man

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_SX63a. Go to CHECK_INTRO_SX64a.

SX63a. Including both cisgender and transgender, how many of those [fill with # total partners (SX61)] sex partners were men?

TM_MPS12N TM: Men sex partners, #- 12m

Range.....0-7000

Don't Know.....	9999
Refuse to Answer.....	7777

Check_SX63b. If any sex partners 12m were men (SX63a GE 1 & SX63a LE 7000), go to SX63b.
Else, go to Check_SX63c.

SX63b. As far as you know, were any of those men cisgender men?

TM_CISMP5 TM: Cisgender male partners, 12 m

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_SX63c. If R had any sex partners who were not men (SX63a LT SX61 & SX61 LE 7000), go to SX63c.
Else, go to CHECK_INTRO_SX64a.

SX63c. Including both cisgender and transgender, how many of those [fill with # total partners (SX61)] sex partners were women?

TM_WPS12N TM: Women sex partners, #- 12m

— — — —

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

HardEdit_SX63c. If # women partners plus # men partners GT # total partners (SX63a + SX63c GT SX61) or if # women partners GT total partners (SX63c GT SX61), DISPLAY: **"INTERVIEWER:** The response entered is inconsistent with a prior response (number of male partners). Clarify and re-enter response to current or prior item as needed." Then go back to SX61.
Else, go to Check_SX63c.

Check_SX63c. If R had any sex partners who were not men or women (SX63a + SX63c LT SX61 & SX61 LE 7000), go to SX63d.
Else, go to CHECK_INTRO_SX64a.

SX63d. How many of those [fill with # total partners (SX61)] sex partners were nonbinary?

TM_NBPS12N TM: Nonbinary sex partners, #- 12m

Range.....0-7000

Don't Know.....9999

Refuse to Answer.....7777

Check_INTRO_SX64a. If R had any partners who were men (SX62a EQ 1 OR SX63a GE 1), go to INTRO_SX64a.
Else, go to INTRO_SX65a.

INTRO_SX64a. DISPLAY: "The next questions are about sex with men. This includes transgender men and cisgender men."

SX64a. In the past 12 months, did you have receptive anal sex with a man where they put their penis in your anus?

TM_RAS TM: Receptive anal sex with man, 12m

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_SX64a. If R had receptive anal sex with a man (SX64a EQ 1), go to SX64b.
Else, go to Check_SX64c.

SX64b. In the past 12 months, did you have receptive anal sex with a man where they put their penis in your anus without using a condom?

TM_URAS TM: Condomless RAS with man 12m

No.....0.....

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_SX64c.	If R's sex at birth is female (ES8a EQ 2), go to SX64c. If R's sex at birth is male (ES8a EQ 1) go to SX64e. If R's sex at birth is intersex/ambiguous (ES8a EQ 3), go to INTRO_SX65a.
---------------------	--

SX64c.	In the past 12 months, did you have receptive vaginal or frontal sex with a man?
TM_RVS	TM: RVFS with man 12m
	No.....0.....
	Yes.....1.....
	Don't Know.....9.....
	Refuse to Answer.....7.....

Check_SX64c.	If R had vaginal or frontal sex with a man (SX64c EQ 1), go to SX64d. Else, go to INTRO_SX65a.
---------------------	---

SX64d.	In the past 12 months, did you have receptive vaginal or frontal sex with a man without using a condom?
TM_URVS	TM: Condomless RVFS with man 12m
	No.....0.....
	Yes.....1.....
	Don't Know.....9.....
	Refuse to Answer.....7.....

Check_SX64e.	Go to INTRO_SX65a.
---------------------	--------------------

SX64e.	In the past 12 months, did you have insertive vaginal or frontal sex with a man?
TM_IVS	TM: IVFS with man 12m
	No.....0.....
	Yes.....1.....
	Don't Know.....9.....
	Refuse to Answer.....7.....

Check_SX64f.	If R had insertive vaginal or frontal sex (SX64e EQ 1) go to SX64f. Else, go to INTRO_SX65a.
---------------------	---

SX64f.	In the past 12 months, did you have insertive vaginal or frontal sex with a man without using a condom?
TM_UIVS	TM: Condomless IVFS with man 12m
	No.....0.....
	Yes.....1.....
	Don't Know.....9.....
	Refuse to Answer.....7.....

TM: Last sex

INTRO_SX65a.	DISPLAY: " Now I'm going to ask you some questions about the last time you had sex."
---------------------	--

TM: Last sex date

SX65a. When was the last time you had sex? Just tell me the month and year.

LPTMDATE LP_TM: date of most recent sex

___ / ___ ___

Range (Year) 1900 - 2100

Don't Know (Year) 9999

Refuse to Answer (Year) 7777

CALC_LPDATE_C.	Century month version
LPTMDATE_C	of LPTMDATE date LPTMDATE_C= ((LPTMDATEY-1900)*12) + LPTMDATEM.

HardEdit_SX65a.	<p>If R's date of last sex with LP after date of interview (LPTMDATE_C GT IDATE_C), DISPLAY: "INTERVIEWER: The date respondent last had sex cannot be after today's date." Then, go back to SX65a.</p> <p>If date of last sex is more than 12 months before interview [(LPTMDATEM is missing) and ((IDATEY-LPDATEY) GE 2)] or (LPTMDATE_C LT AGO12M_C), DISPLAY: "INTERVIEWER: Response entered is inconsistent with prior response (reported at least one sex partner in past 12 months). Clarify and re-enter response to current or prior item as needed." Then, go back to SX65a.</p> <p>Else, go to Check_SX65b.</p>
------------------------	---

Check_SX65b. If R had more than 1 sex partner, 12m (SX61 GE 1 & SX61 LE 7000), go to SX65b.
Else, go to Check_SX66a.

TM: Last partner gender

Which of the following best describes the gender of the person you last had sex with?

[READ choices. Mark only one.]

SX65b.

LPTMGNDR

LP_TM: partner gender

- Transgender man..... 1
- Cisgender man..... 2
- Nonbinary person assigned male at birth..... 3
- Nonbinary person assigned female at birth..... 4
- Transgender woman..... 5
- Cisgender woman..... 6
- Don't Know..... 9
- Refuse to Answer..... 7

TM: Last sex event behaviors

Check_SX66a. If R reported anal sex 12m (SX60b EQ 1), go to SX66a.
Else, go to Check_SX67a.

SX66a.

When you had sex that last time, did your partner put their penis in your anus?

LPTMRAS

LP_TM: Receptive AS at last event

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

Check_SX66b. If R had RAS at last event (SX66a EQ 1), go to SX66b.
Else go to Check_SX66c.

SX66b.

During that last time you had sex, when your partner's penis was in your anus, did they use a condom the whole time?

LPTMRASC LP_TM: Condom use during RAS at last event

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX66c. If R's sex at birth is male (ES8a EQ 1), go to SX66c.
Else, go to Check_SX67a.

SX66c. When you had sex that last time, did you put your penis in your partner's anus?

LPTMIAS LP_TM: Insertive AS at last event

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX66d. If R had IAS at last event (SX66c EQ 1), go to SX66d.
Else go to Check_SX67a.

SX66d. During that last time you had sex, when your penis was in your partner's anus, did you use a condom the whole time?

LPTMIASC LP_TM: Condom use during IAS at last event

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX67a. If R's sex at birth is female (ES8a EQ 2) & reported VFS 12m (SX60c EQ 1), go to SX67a.
Else, go to Check_SX67c.

SX67a. When you had sex that last time, did your partner put their penis in your vagina or front hole?

LPTMRVS LP_TM: receptive VS at last event

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

Check_SX67b. If R had RVS at last event (SX67a EQ 1), go to SX67b.
Else, go to Check_SX67c.

SX67b. During that last time you had sex, when your partner's penis was in your vagina or front hole, did you or your partner use a condom the whole time?

- LPTMRVSC LP_TM: Used condom during RVS at last event
- No..... 0
 - Yes..... 1
 - Don't Know..... 9
 - Refuse to Answer..... 7

Check_SX67c. If R's sex at birth is male (ES8a EQ 1) & reported VFS 12m (SX60c EQ 1), go to SX67c.
Else, go to SX68a.

SX67c. When you had sex that last time, did you put your penis in your partner's vagina or front hole?

- LPTMIVS LP_TM: insertive VS at last event
- No..... 0
 - Yes..... 1
 - Don't Know..... 9
 - Refuse to Answer..... 7

Check_SX67d. If R reported IVS at last sex (SX67c EQ 1), go to SX67d.
Else, go to SX68a.

SX67d. During that last time you had sex, when your penis was in your partner's vagina or front hole, did you or your partner use a condom the whole time?

- LPTMIVSC LP_TM: Condom use during IVS at last event
- No..... 0

- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

TM: Last sex, partner HIV status

The last time you had sex with this partner, did you know their HIV status?

SX68a.

LPTMKNWSTS

LP: Knew partner HIV status at last event

- No..... 0
- Yes..... 1
- Refuse to Answer..... 7

Check_SX68b. If R knew LP HIV status (SX68a EQ 1), go to SX68b.
Else, go to Check_SX68c.

What was their HIV status?

SX68b.

[DO NOT read choices.]

LPTMHIVSTS

LP: Partner HIV status at last event

- HIV-negative..... 1
- HIV-positive..... 2
- Indeterminate..... 3
- Refuse to Answer..... 7

Notes_PartnerARTUse. See [Measure References](#).

Check_SX68c. If LP HIV-positive (SX68b EQ 2), go to SX67c.
If LP not HIV-positive (SX68b NE 2), go to END_SX.

SX68c.

Did they tell you whether they were taking antiretroviral medicines or ART to treat their HIV?

LPTMARTDS

LP: Whether P disclosed ART use

- No..... 0
- Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_SX68d. If LP disclosed ART use, (SX68c EQ 1), go to SX67d.
Else, go to SX68e.

SX67d. Did they say they WERE taking antiretroviral medicines or were NOT taking antiretroviral medicines?

LPTMONART LP: HIV+ partner on ART at last event

No, partner was NOT taking ART..... 0

Yes, partner WAS taking ART..... 1

Don't Know..... 9

Refuse to Answer..... 7

A person with HIV whose amount of virus in their body is very low may be told by a health care provider that their HIV viral load is undetectable. The last time you had sex with this partner, was their viral load undetectable, detectable, or you didn't know?

SX68e.

LPTMVL LP: HIV+ partner VL undetectable

Viral load undetectable 0

Viral load detectable 1

Don't Know..... 9

Refuse to Answer..... 7

CALC_ENDSX.

Time sexual behavior section ended ENDSX = Current time

END_SX. Go to Alcohol Use Section (AL).

NHBS ROUND 7 QUESTIONNAIRE

ALCOHOL USE (AL)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label

UNIVERSE_AL. All Eligible Rs who consented to interview and completed prior section.

CALC_BEGAL.

BEGAL	Time at beginning of alcohol use section	BEGAL = Current time
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Notes_Alcohol. See [Measure References](#).

INTRO_AL1. DISPLAY: "The next questions are about alcohol use. Please remember your answers will be kept private. For these questions, "a drink of alcohol" means a 12 oz beer, a 5 oz glass of wine, or a 1.5 oz shot of liquor.

[Give Respondent Flashcard Q.]"

AL1. During the past 30 days, have you had at least one drink of any alcoholic beverage such as beer, wine, a malt beverage, or liquor?

- ALC30D Had one or more drinks past 30 days
- No..... 0
 - Yes..... 1
 - Don't Know..... 9
 - Refuse to Answer..... 7

Check_AL2. If R had at least one drink in the past 30 days (AL1 EQ 1), go to AL2.
Else, go to CALC_ENDAL.

AL2. During the past 30 days, what is the largest number of drinks you had within about two hours?

ALCLG30D Largest number drinks within 2 hours - past 30 days

— —

Range.....0-99.....
Don't Know.....999.....
Refuse to Answer.....777.....

CALC_ENDAL.

ENDAL Time alcohol use section ended ENDAL = Current time

END_AL. Go to Injection Drug Use Section (ID).

NHBS ROUND 7 QUESTIONNAIRE

INJECTION DRUG USE (ID)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preset variables	--	CYCLE	NHBS Cycle
Preset Variables	--	AGO12M_C	12 mos before interview: Century Month
Eligibility Screener	CALC_AGE	AGE	QDS calculated age today

UNIVERSE_ID. All Eligible Rs who consented to interview and completed prior section.

CALC_BEGID.

BEGID Time at beginning of ID section
 BEGID = Current time

INTRO_Check_ID1. DISPLAY: "The next questions are about injection drug use. This means injecting drugs yourself or having someone who isn't a health care provider inject you. Please remember your answers will be kept private."

Injection history, lifetime

Check_ID1. If MSM or HET cycle (CYCLE EQ 1 or 3), go to ID1.
 Else, go to ID1a.

ID1. Have you ever in your life shot up or injected any drugs other than those prescribed for you? By shooting up, I mean anytime you might have used a needle to inject drugs in your veins, under the skin, or in the muscle.

- EVRIINJ** Ever Injected drugs
- No..... 0
 - Yes..... 1
 - Don't Know..... 9
 - Refuse to Answer..... 7

Check_ID1a. If R has ever injected (ID1 EQ 1), go to ID1a.
 Else, go to Check_CALC_LINJ12.

ID1a. Think back to the very first time you injected any drugs, other than those prescribed for you. How old were you

when you first injected any drug?

AGEINJ

INJ Age at first injection

— —

Range.....0-75.....

Don't Know.....99.....

Refuse to Answer.....77.....

HardEdit_ID1a	If age of first injection is greater than current age (ID1a GT AGE), DISPLAY: "INTERVIEWER: The age of first injection should be less than respondent's current age, ([fill with current age (AGE)])." Then, go back to ID1a. Else, go to Check_ID1b.num.
----------------------	--

Check_ID1b.num	If IDU cycle (CYCLE EQ 2), go to INTRO_ID2a. Else, go to ID1b.num.
-----------------------	---

Now, think about the last time you injected any drug. When was that - how many days or months or years ago did you last inject?

ID1b.num.

[INTERVIEWER: If today, enter "0"]

LINJN

When last injected, number

— — —

Range.....0-365.....

Don't Know.....999.....

Refuse to Answer.....777.....

Check_ID1b.dmy.	If R does not report time since last injection (ID1b.num EQ DK or REF), go to Check_CALC_LINJ12. If R last injected on day of interview (ID1b.num EQ 0), go to Check_INTRO_ID2a. Else, go to ID1b.dmy.
------------------------	--

ID1b.dmy.

INTERVIEWER: Was this days or months or years ago that you last injected?

LINJ_U

When last injected: day, month or year

of Days.....0.....

of Months.....1.....

of Years.....2.....

Check_INTRO_ID2a.	If R last injected in the past year (ID1b.num EQ 0 or (ID1b.num LE 12 & ID1b.dmy EQ 1) or (ID1b.num LE 365 & ID1b.dmy EQ 0) or (ID1b.num LE 1 & ID1b.dmy EQ 2)) go to INTRO_ID2a. Else, go to Check_CALC_LINJ12.
--------------------------	---

UNIVERSE_InjectionFrequency.	All Rs who injected in the past year.
-------------------------------------	---------------------------------------

Injection Frequency, 12m

INTRO_ID2a.	DISPLAY: "The next questions are about injection drug use in the past <u>12 months</u> , that is, since [fill with interview month, formatted as text] of last year."
--------------------	---

In the past 12 months, when you were injecting, about how often did you inject any drug?

ID2a. [READ choices.]

INJFX12

Overall injection frequency, 12m

- More than once a day..... 1
- Once a day..... 2
- More than once a week..... 3
- Once a week or less..... 4
- Don't Know..... 9
- Refuse to Answer..... 7

Check_ID2a.	If R injected more than once a day (ID2a EQ 1), go to ID2b. Else, go to Check_INTRO_ID3a.
--------------------	--

ID2b. **On a typical day, about how many times do you usually inject?**

INJFXDAY

Average daily injection frequency

— — —

Range.....0-700.....

Don't Know.....999.....

Refuse to Answer.....777.....

Check_ INTRO_ID3a.	If IDU cycle (CYCLE EQ 2), go to INTRO_ID3a. If MSM or HET cycle (CYCLE EQ 1 or 3), go to ID4a.
---------------------------	--

INTRO_ID3a.	<p>DISPLAY: "[Give Respondent Flashcard H.]</p> <p>I'm going to read you a list of drugs. For each drug I mention, please tell me how often you <u>injected</u> it in the past <u>12 months</u>."</p>
--------------------	---

How often did you inject speedball, which is heroin and cocaine together?

ID3a.

[READ choices.]

INJ_SB

Speedball (heroin and cocaine together) frequency - 12 months

- More than once a day..... 1
- Once a day..... 2
- More than once a week..... 3
- Once a week or less..... 4
- Never..... 5
- Don't Know..... 9
- Refuse to Answer..... 7

How often did you inject heroin, by itself?

ID3b.

[READ choices.]

INJ_HERO

Heroin, by itself frequency - 12 months

- More than once a day..... 1
- Once a day..... 2
- More than once a week..... 3
- Once a week or less..... 4
- Never..... 5
- Don't Know..... 9

Refuse to Answer..... 7

How often did you inject powder cocaine, by itself?

ID3c. [READ choices.]

INJ_COKE Powder cocaine, by itself frequency - 12 months

More than once a day..... 1

Once a day..... 2

More than once a week..... 3

Once a week or less..... 4

Never..... 5

Don't Know..... 9

Refuse to Answer..... 7

How often did you inject crack cocaine, by itself?

ID3d. [READ choices.]

INJ_CRAC Crack cocaine, by itself frequency - 12 months

More than once a day..... 1

Once a day..... 2

More than once a week..... 3

Once a week or less..... 4

Never..... 5

Don't Know..... 9

Refuse to Answer..... 7

How often did you inject methamphetamine, which includes meth, crystal meth, speed, or crank?

ID3e. [READ choices.]

INJ_METH Methamphetamine frequency - 12 months

More than once a day..... 1

Once a day..... 2

More than once a week..... 3

- Once a week or less..... 4
- Never..... 5
- Don't Know..... 9
- Refuse to Answer..... 7

How often did you inject painkillers, such as Oxycontin, Dilaudid, morphine, Percocet, or Demerol?

ID3f. [READ choices.]

INJ_PAIN Painkillers frequency - 12 months

- More than once a day..... 1
- Once a day..... 2
- More than once a week..... 3
- Once a week or less..... 4
- Never..... 5
- Don't Know..... 9
- Refuse to Answer..... 7

ID3g.1. As far as you know, did you inject fentanyl in the past 12 months?

IDFNTYNR7 Injected fentanyl 12m, y/n

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

Check_ID3g.2. If IDg3.1 EQ 1, go to ID3g.2.
Else, go to If MSM or HET cycle (CYCLE EQ 1 or 3), go to ID4a.

In the past 12 months, how often did you inject fentanyl?

ID3g.2 [READ choices.]

INJ_FNTR7 Fentanyl frequency - 12 months

[Give Respondent Flashcard B.]

[READ choices.]

INJMOST1 Drug injected most often - 12 months - MSM, HET

Speedball, which is heroin and cocaine together..... 1

Heroin, by itself..... 2

Powder cocaine, by itself..... 3

Crack cocaine, by itself..... 4

Methamphetamine, also known as meth, crystal meth, speed,
or crank..... 5

Painkillers, such as Oxycontin, Dilaudid, morphine, Percocet, or
Demerol..... 6

Something else..... 7

Don't Know.....99

Refuse to Answer.....77

ID4b.1. Did you inject any other drugs in the past 12 months?

INJOTHNI Other drug injected, 12m, y/n - MSM, HET

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_ID4b.2	If R injected another drug in the past 12 months (ID4b.1 EQ 1), go to ID4b.2. Else, go to INTRO_ID5a.
---------------------	--

What other drugs did you inject?

[Give Respondent Flashcard B.]

ID4b.2. [READ choices. CHECK ALL that apply.]

INJMOST Other drugs injected, 12m - MSM, HET

INJMOSTA Speedball, which is heroin and cocaine together

INJMOSTB Heroin, by itself

INJMOSTC Powder cocaine, by itself

INJMOSTD Crack cocaine, by itself

INJMOSTE Methamphetamine, also known as meth, crystal meth, speed, or crank

INJMOSTF Painkillers such as Oxycontin, Dilaudid, morphine, Percocet, or Demerol

INJMOSTG Something else

Don't Know.....99

Refuse to Answer.....77

Injection Equipment Disposal, 12m

INTRO_ID5a.	DISPLAY: "Next, I'm going to ask you about the needles you used in the past <u>12 months</u> , that is, since [fill with interview month, formatted as text] of last year. When I ask you about "needles," I'm talking about needles and syringes."
--------------------	---

Notes_DisposalOfUsedNeedles. See [Measure References](#).

In the past 12 months, after you injected, what did you do with the used needle? You may choose more than one option.

[Give Respondent Flashcard S.]

ID7. [READ choices. CHECK ALL that apply.]

- NDLEDSP How disposed of used needle - 12 months
- NDLEDSPA Put it in a medical sharps container
- NDLEDSPB Threw it away
- NDLEDSPC Kept it
- NDLEDSPD Gave or sold it to someone else
- NDLEDSPE Took it to a needle or syringe exchange program
- NDLEDSPF Did something else with it

Don't Know..... 9

Refuse to Answer..... 7

Check_ID7spec If R did something else with the used needle (NDLEDSPF EQ 1), go to ID7spec.
 . Else, go to ID8.

ID7spec. **INTERVIEWER: Specify other method of disposing of used needles.**
 SPECDISP How disposed of used needle: Other specify

{text response; max length = 100 characters}

Don't Know..... 9

Refuse to Answer..... 7

Injection Equipment Sharing. 12m

[Give Respondent Flashcard T.]

In the past 12 months when you injected, how often did you use a new, sterile needle? By a new, sterile needle, I mean a needle never used before by anyone, even you.

ID8. [READ choices.]

STERILE INJ Frequency used sterile needle - 12 months

Never..... 0

Rarely..... 1

About half the time..... 2

Most of the time..... 3

Always..... 4

Don't Know..... 9

Refuse to Answer..... 7

Notes_InjectionEquipmentSharing. See [Measure References.](#)

Check_INTRO_ID9 If R always used a sterile needle in the past 12 months (ID8 EQ 4), go to ID10.
 . Else, go to INTRO_ID9.

INTRO_ID9.	DISPLAY: "Next, I'm going to ask you about your injecting behaviors in the past <u>12 months</u> , that is, since [fill with interview month, formatted as text] of last year. When I ask you about "needles," I'm talking about needles and syringes."
-------------------	---

ID9. In the past 12 months, with how many different people did you use a needle after they injected with it?

NUM_NA Used needle after-number of people

— — —

Range.....0-300.....

Don't Know.....999.....

Refuse to Answer.....777.....

ID10. In the past 12 months, how many different people did you give your needle to use after you had already injected with it?

NUM_GIVE Gave needle after injected with it - number of people

— — —

Range.....0-300.....

Don't Know.....999.....

Refuse to Answer.....777.....

ID11. In the past 12 months, with how many different people did you use the same cooker, cotton, or water that they had already used? By "water", I mean water for rinsing needles or preparing drugs.

NUM_CCW Used cooker, cotton, water after - number of people

— — —

Range.....0-300.....

Don't Know.....999.....

Refuse to Answer.....777.....

ID12. In the past 12 months, with how many different people did you use drugs that had been divided with a syringe that they had already used?

NUM_DDA Used drugs divided up after - number of people

Range.....0-300.....
 Don't Know.....999.....
 Refuse to Answer.....777.....

Check_ID13. If R always used a sterile needle in the past 12 months or refuses to report how many people he used a needle after in the past 12 months (ID8 EQ 4 or (ID9 EQ 0,REF, or SK)), go to Check_ID14. Else, go to ID13.

In the past 12 months, how often did you use needles that someone else had already injected with?

[Give Respondent Flashcard T.]

ID13. [READ choices.]

SHARNdle Used needle after- frequency

- Never..... 0
- Rarely..... 1
- About half the time..... 2
- Most of the time..... 3
- Always..... 4
- Don't Know..... 9
- Refuse to Answer..... 7

HardEdit_ID13. If R reported earlier that he had used needles after one or more persons & reports that he never used needles after someone (ID9 GT 0 and ID13 EQ 0), DISPLAY: "**INTERVIEWER:** The response entered is inconsistent with a prior response (reported using needles after at least one other person). Clarify and re-enter response to current or prior item as needed." Then go back to ID13. Else, go to Check_ID14.

Check_ID14. If R did not give or refused to report if he gave someone a needle after he injected with it in the past 12 months (ID10 EQ 0 or REF), go to Check_ID15. Else, go to ID14.

ID14. **In the past 12 months, how often did you give your needle to someone else to use after you had already injected with it?**

[Give Respondent Flashcard T.]

[READ choices.]

GIVENDLE

Gave needle after injected - freq.

- Never..... 0
- Rarely..... 1
- About half the time..... 2
- Most of the time..... 3
- Always..... 4
- Don't Know..... 9
- Refuse to Answer..... 7

HardEdit_ID14. If R reported earlier that he had given needles to one or more persons and reports that he never gave needles to someone else (ID10 GT 0 and ID14 EQ 0), DISPLAY: "**INTERVIEWER:** The response entered is inconsistent with a prior response (reported giving needles to at least one other person). Clarify and re-enter response to current or prior item as needed." Then go back to ID14.
Else, go to Check_ID15.

Check_ID15. If R did not use or refused to report if he used cookers, cottons, or water after someone else in the past 12 months (ID11 EQ 0 or REF), go to Check_ID16.
Else, go to ID15.

In the past 12 months, how often did you use cookers, cottons, or water that someone else had already used?

[Give Respondent Flashcard T.]

ID15.

[READ choices.]

SHARWORK

Used cooker, cotton, water after - freq.

- Never..... 0
- Rarely..... 1
- About half the time..... 2
- Most of the time..... 3
- Always..... 4
- Don't Know..... 9
- Refuse to Answer..... 7

If R reported earlier that he had used cookers, cottons, or water after one or more persons and reports that he never used cookers, cottons, or water after someone else (ID11 GT 0 and ID15 EQ 0), DISPLAY: **"INTERVIEWER:** The response entered is inconsistent with a prior response (reported using cookers, cottons, or water after at least one other person). Clarify and re-enter response to current or prior item as needed." Then go back to ID15.

HardEdit_ID15. Else, go to Check_ID16.

If R did not use or refused to report if he used drugs that had been divided with a used syringe (ID12 EQ 0 or REF), go to Check_CALC_LINJ12.

Check_ID16. Else, go to ID16.

In the past 12 months, how often did you use drugs that had been divided with a syringe that someone had already injected with?

[Give Respondent Flashcard T.]

ID16. [READ choices.]

SAMESYR

Used drugs divided up after - frequency

- Never..... 0
- Rarely..... 1
- About half the time..... 2
- Most of the time..... 3
- Always..... 4
- Don't Know..... 9
- Refuse to Answer..... 7

If R reported earlier that he had used drugs that been divided with a used syringe after one or more persons and reports that he never used drugs divided with a used syringe (ID12 GT 0 and ID16 EQ 0), DISPLAY: **"INTERVIEWER:** The response entered is inconsistent with a prior response (reported using drugs that had been divided with a used syringe with at least one person). Clarify and re-enter response to current or prior item as needed." Then go back to ID16.

HardEdit_ID16. Else, go to Check_CALC_LINJ12.

If R reported never injected (ID1 EQ 0) go to CALC_LINJ12.
 If R reported when last injected (ID1b.num NE DK, REF, or SK), go to CALC_LINJ12.
 Else, go to CALC_ENDID.

Check_CALC_LINJ12
 .

CALC_LINJ12.		
LINJ12	Injected in last 12 months	LINJ12 = IF((LINJN=0), 1, IF((LINJ_U=0 & LINJN<=365), 1, IF((LINJ_U=1 & LINJN<=12), 1, IF((LINJ_U=2 & LINJN <= 1), 1, 0))))

CALC_ENDID.		
ENDID	Time injection drug use section ended	ENDID = Current time

END_ID.	Go to Non-Injection Drug Use Section (ND).
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NHBS ROUND 7 QUESTIONNAIRE

NON-INJECTION DRUG USE (ND)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label

UNIVERSE_ND	All Eligible Rs who consented to interview and completed prior section.		
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CALC_BEGND.			
BEGND	Time at beginning of ND section	BEGND = Current time	

INTRO_ND0.	DISPLAY: "Now I'm going to ask you about times you may have used drugs but did NOT inject them. Do NOT include times that you used drugs that were prescribed for you.."		
-------------------	--	--	--

In the past 12 months, that is, since [fill with interview month], of last year how often did you use marijuana?

ND0. [READ choices.]

- ND_MJR7** How often used marijuana past 12 months
- More than once a day..... 1
 - Once a day..... 2
 - More than once a week..... 3
 - Once a week or less..... 4
 - Never..... 5
 - Don't Know..... 9
 - Refuse to Answer..... 7

ND1. **In the past 12 months, have you used any drugs other than marijuana that were not prescribed for you** [if IDU cycle (CYCLE EQ 2) or if R injected in past 12m (LINJ12 EQ 1), fill with "and that you did not inject"]?

- NIUSE12R7** Non-injection drug use - 12 months
- No..... 0
 - Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_INTRO_ND2. If R has used non-injection drugs other than marijuana (ND1 EQ 1), go to INTRO_ND2B.
Else, go to CALC_ENDND.

INTRO_ND2B. DISPLAY: "[Give Respondent Flashcard H.]

READ: I'm going to read you a list of drugs. For each drug I mention, please tell me how often you used it in the past 12 months."

How often did you use methamphetamine, which includes meth, crystal meth, speed, or crank?

ND2B. [READ choices.]

ND_METH How often used methamphetamine past 12 months

More than once a day..... 1

Once a day..... 2

More than once a week..... 3

Once a week or less..... 4

Never..... 5

Don't Know..... 9

Refuse to Answer..... 7

How often did you use crack cocaine?

ND2C. [READ choices.]

ND_CRACK How often used crack cocaine past 12 months

More than once a day..... 1

Once a day..... 2

More than once a week..... 3

Once a week or less..... 4

Never..... 5

Don't Know..... 9

Refuse to Answer..... 7

How often did you smoke or snort powder cocaine?

ND2D. [READ choices.]

ND_COKE How often used powder cocaine that is smoked or snorted past 12 months

More than once a day..... 1

Once a day..... 2

More than once a week..... 3

Once a week or less..... 4

Never..... 5

Don't Know..... 9

Refuse to Answer..... 7

How often did you use downers (benzos) such as Klonopin, Valium, Ativan, or Xanax?

ND2E. [READ choices.]

ND_DOWN How often used downers (benzos) such as Valium past 12 months

More than once a day..... 1

Once a day..... 2

More than once a week..... 3

Once a week or less..... 4

Never..... 5

Don't Know..... 9

Refuse to Answer..... 7

How often did you use pain killers such as Oxycontin, Vicodin, morphine, or Percocet?

ND2F. [READ choices.]

ND_PAIN How often used pain killers such as Oxycontin, Vicodin past 12 months

More than once a day..... 1

Once a day.....	2
More than once a week.....	3
Once a week or less.....	4
Never.....	5
Don't Know.....	9
Refuse to Answer.....	7

How often did you use X or ecstasy?

ND2G.

[READ choices.]

ND_X

How often used X or ecstasy past 12 months

More than once a day.....	1
Once a day.....	2
More than once a week.....	3
Once a week or less.....	4
Never.....	5
Don't Know.....	9
Refuse to Answer.....	7

How often did you smoke or snort heroin?

ND2H.

[READ choices.]

ND_HER

How often used heroin that is smoked or snorted past 12 months

More than once a day.....	1
Once a day.....	2
More than once a week.....	3
Once a week or less.....	4
Never.....	5
Don't Know.....	9
Refuse to Answer.....	7

Check_ND2I. If MSM cycle (CYCLE EQ 1), go to ND2I.
Else, go to ND2J.

How often did you use poppers, also known as amyl nitrite?

ND2I. [READ choices.]

ND_POP How often used poppers (amyl nitrite) past 12 months

- More than once a day..... 1
- Once a day..... 2
- More than once a week..... 3
- Once a week or less..... 4
- Never..... 5
- Don't Know..... 9
- Refuse to Answer..... 7

ND2J. In the past 12 months, have you used any other drugs that you did NOT inject?

ND_OTHYN Used other non-injection drugs past 12 mos

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

Check_ND2J.spec. If R has used another non-injection drug (ND2J EQ 1), go to ND2J.spec.
Else, go to CALC_ENDND.

ND2J.spec. What other drugs did you use that you did NOT inject?

ND_OTHSP Other non-injection drugs

{text response; max length = 100 characters}

- Don't Know..... 9
- Refuse to Answer..... 7

CALC_ENDND.

ENDND	Time ND section ended	ENDND = Current time
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END_ND.	Go to Drug Treatment Section (TX).
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NHBS ROUND 7 QUESTIONNAIRE

DRUG OVERDOSE AND DRUG TREATMENT (TX)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Eligibility Screener	ES12	E_USINJ	Eligibility, drug usually injected Speedball (heroin and cocaine together) frequency - 12 months
Injection Drug Use	ID3a	INJ_SB	Heroin, by itself frequency - 12 months
Injection Drug Use	ID3b	INJ_HERO	Powder cocaine, by itself frequency - 12 months
Injection Drug Use	ID3c	INJ_COKE	Crack cocaine, by itself frequency - 12 months
Injection Drug Use	ID3d	INJ_CRAC	Methamphetamine frequency - 12 months
Injection Drug Use	ID3e	INJ_METH	Painkillers frequency - 12 months
Injection Drug Use	ID3f	INJ_PAIN	Drug injected most often - 12 months - MSM, HET
Injection Drug Use	ID4a	INJMOST1	Other drugs injected, 12m - MSM, HET
Non-Injection Drug Use	ID4b.2.	INJMOST	How often used methamphetamine past 12 months
Non-Injection Drug Use	ND2B	ND_METH	How often used crack cocaine past 12 months
Non-Injection Drug Use	ND2C	ND_CRACK	How often used powder cocaine that is smoked or snorted past 12 months
Non-Injection Drug Use	ND2D	ND_COKE	How often used pain killers such as Oxycontin, Vicodin past 12 months
Non-Injection Drug Use	ND2F	ND_PAIN	How often used heroin that is smoked or snorted past 12 months
Non-Injection Drug Use	ND2H	ND_HER	

UNIVERSE_TX. All Eligible Rs who consented to interview and completed prior section.

CALC_BEGTX.

BEGTX Time at beginning of TX section
 BEGTX = Current time

Drug Treatment

INTRO_TX1. DISPLAY: "Next, I'm going to ask you about programs that you may have participated in to treat drug use. These include out-patient, in-patient, residential, detox, or 12-step programs."

TX1. Have you participated in a program to treat drug use in the past 12 months, that is since [fill with interview month, formatted as text] of last year?

DRUGTXR5 Drug treatment - 12 months

No..... 0

Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

TX2. In the past 12 months, did you try to get into a program to treat drug use but were unable to?

DTXTRYR5 Drug tx tried to get in
 No..... 0
 Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

Medication-Assisted Drug Treatment

Check_INTRO_TX3 If R has used opioids or heroin in the past 12 months (ES12 EQ 1 OR ES12 EQ 2 OR ES12 EQ 6 OR ID3A LT 5 OR ID3B LT 5 OR ID3F LT5 OR ID4a EQ 1,2, or 6 OR INJMOSTA EQ 1 OR INJMOSTB EQ 1 OR INJMOSTF EQ 1 OR ND2F LT 5 OR ND2H LT 5) go to INTRO_TX3.
 Else, go to CALC_ENDTX.

INTRO_TX3. DISPLAY: "Now, I am going to ask you about your experiences with taking medicines to treat drug use, like methadone, buprenorphine, Suboxone or Subutex. Please only think about these medicines given to you by a doctor or other health care provider."

TX3. Have you taken medicines, like methadone, buprenorphine, Suboxone or Subutex, to treat drug use in the past 12 months?

MAT Drug tx - meds in past 12 months
 No..... 0
 Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

TX4. In the past 12 months, did you try to get medicines, like methadone, buprenorphine, Suboxone or Subutex, to treat drug use but were unable to?

MATTRY Drug tx - tried to get meds

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Overdose

INTRO_TX5. DISPLAY: "Now I will ask you about experiences you may have had due to drug use."

TX5. In the past 12 months, did you overdose on heroin or painkillers? By overdose, I mean if you passed out, turned blue, or stopped breathing from using drugs.

OVERDOSE Overdosed in past 12 months

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_TX6. If R used meth, cocaine, or crack in past 12 months ((ES12 EQ 1, 3, 4, or 5) or (ID3a LT 5) or (ID3c LT 5) or (ID3d LT 5) or (ID3e LT 5) or (ID4a EQ 1, 3, 4, or 5) or (INJMOSTA EQ 1) or (INJMOSTC EQ 1) or (INJMOSTD EQ 1) or (INJMOSTE EQ 1) or (ND2b LT 5) or (ND2c LT 5) or (ND2d LT 5)) go to TX6. Else, go to CALC_ENDTX.

Stimulant Overuse

TX6. In the past 12 months, did you need immediate medical care because you took stimulants, like methamphetamine, cocaine, or crack?

STIMOVUSE Stimulant overuse in past 12 months

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

CALC_ENDTX.

ENDTX Time drug treatment section
ended ENDTX = Current time

END_TX. Go to HIV Testing Experiences Section (HT).

NHBS ROUND 7 QUESTIONNAIRE

HIV TESTING EXPERIENCES (HT)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preset Variables	--	IDATE	Interview date
Preset Variables	--	IDATEY	Interview date: Year
Preset Variables	--	IDATE_C	Interview date: Century Month
Preset Variables	--	AGO6M_C	6 mos before interview: Century Month
Preset Variables	--	AGO12M_C	12 mos before interview: Century Month
Eligibility Screener	ES1	DOB	Date of birth
Interviewer Entered Information	IE2	CITYR7	City

Universe_HT. All Eligible Rs who consented to interview and completed prior section.

CALC_BEGHT.

BEGHT Time at beginning of HIV testing section
BEGHT = Current time

HIV Test, Ever

INTRO_HT1. DISPLAY: "Now I'm going to ask you a few questions about getting tested for HIV. Remember, an HIV test checks whether someone has the virus that causes AIDS."

HT1. **Have you ever had an HIV test?**

EVERTEST

Ever tested for HIV

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

HIV Status, Self-Report

Check_HT2. If R ever tested for HIV (HT1 EQ 1), go to HT2.
If R never tested for HIV (HT1 EQ 0), go to HT6.
If R did not report if ever tested for HIV (HT1 EQ DK or REF), go to CALC_ENDHT.

HT2. **Have you ever tested positive for HIV, that is, do you have HIV?**

EVERPOS

Ever test positive for HIV

No..... 0

Yes..... 1

Don't Know..... 9

Refuse to Answer..... 7

Check_NSRPSeries. If R ever tested HIV-positive (HT2 EQ 1), go to Self-reported Positive (SRP) series.
If R ever tested & did NOT report ever testing HIV-positive (HT1 EQ 1) & (HT2 EQ 0, DK, or REF), go to Non-Self-reported Positive (NSRP) Series.

Universe_NSRPSeries. Rs who ever tested and did NOT report ever testing HIV-positive.

Non-Self-reported Positive (NSRP) Series

HIV Testing, Recent

HT4. **When did you have your most recent HIV test? Please tell me the month and year.**
RCNTST Date of most recent HIV test
 ___ / ___ (MM/YYYY)
 Range (Year)1900-2100
 Don't Know (Year)..... 9999
 Refuse to Answer (Year)..... 7777

Check_CALC_RCNTST_C. If R did not report when they had their most recent HIV test, (HT4 EQ DK or REF), go to Check_HT4conf. Else, go to CALC_RCNTST_C.

CALC_RCNTST_C. Century month version of
RCNTST_C RCNTST date $RCNTST_C = ((RCNTSTY - 1900) * 12) + RCNTSTM.$

SoftEdit_HT4. If year of most recent test is before 1985 (HT4 (year) LT 1985), DISPLAY: "**INTERVIEWER:** HIV testing was not widely available before 1985. Please confirm the year of the most recent HIV test. If [fill with response to HT4 (year)] is NOT correct, please go back to the previous screen and re-enter the correct year." Then go to HardEdit_HT4.

If HT4 after interview date ((RCNTST_C GT IDATE_C) or (RCNTSTY AFTER IDATEY)), DISPLAY: "**INTERVIEWER:** The date of the most recent HIV test cannot be after today's date." Then, go back to HT4.
 If HT4 before date of birth (HT4 BEFORE ES1), DISPLAY: "**INTERVIEWER:** The date of respondent's most recent HIV test cannot be before the date of birth, [fill with response to ES1, formatted as Month DD, YYYY]." Then go back to HT4.
HardEdit_HT4. Else, go to Check_HT4conf.

If R did not know either month or year of last test (HT4 EQ DK), or if year of last test is year before interview year & month of last test not reported ((HT4Y EQ IDATEY-1) & (HT4M is missing), go to HT4conf.
Check_HT4conf. Else, go to HT4a.

HT4conf. **Was your most recent HIV test in the past 12 months, that is, since [fill with interview month, formatted as text] of last year?**
C_RCNTST HIV test in 12 months - y/n
 No..... 0
 Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

HT4a. **When you got tested [if month & year of last test are known, fill with response to HT4, formatted as "in month, YYYY"; if month missing but year known, fill with response to HT4 (year), formatted as "in YYYY"; if month & year of last test not reported (HT4 EQ DK or REF), fill with "that last time"], where did you get tested?**

	[DO NOT READ choices.]	
LOCHIV	Location of recent HIV test	
	HIV counseling and testing site.....	1
	HIV/AIDS street outreach program or mobile unit.....	2
	Drug treatment program.....	4
	Needle or syringe exchange program.....	5
	Correctional facility (jail or prison)	6
	Family planning or obstetrics clinic.....	7
	Public health clinic or community health center.....	8
	Private doctor's office (including HMO)	9
	Emergency room.....	10
	Hospital (inpatient)	11
	At home.....	12
	Other.....	13
	Don't Know.....	99
	Refuse to Answer.....	77

HT4b.	Did you get the result of your most recent HIV test?	
GOTRCNT	Got result most recent HIV test	
	No.....	0
	Yes.....	1
	Don't Know.....	9
	Refuse to Answer.....	7

Check_HT4c. If R received result of recent test (HT4b EQ 1), go to HT4c.
Else, go to Check_BarrierstoHIVTesting.

What was the result of your most recent HIV test?

HT4c.	[READ choices.]	
RCNTRST	Result most recent HIV test	
	Negative, you do NOT have HIV.....	1
	Positive, you DO have HIV.....	2
	Don't Know.....	9
	Refuse to Answer.....	7

Check_BarrierstoHIVTesting. If recent test result was positive (HT4c EQ 2), go to Self-Reported Positive (SRP) Series.

If recent test not positive (HT4c NE 2) & R NOT tested in past 12 months ((RCNTST_C LT AGO12M_C) or (IDATEY- RCNTSTY GT 1) or (HT4conf EQ 0)), go to HT6.

Else, go to CALC_ENDHT

HIV Testing Barriers

Universe_Barriers. R's who have NOT tested in the past 12 months.

I'm going to read you a list of reasons why some people have not been tested for HIV. Which of these best describes the most important reason you have not been tested for HIV in the past 12 months?

HT6.	[READ choices.]	
RENT12M	Reason not tested past 12 mos	
	You think you are at low risk for HIV infection?.....	1
	You were afraid of finding out that you had HIV?.....	2
	You didn't have time?.....	3

Some other reason?.....	4
No particular reason.....	5
Don't Know.....	9
Refuse to Answer.....	7

Check_HT6a. If most important reason not tested was 'other' (HT6 EQ 4), go to HT6a.
Else, go to CALC_ENDHT.

HT6a. What was the most important reason you have not been tested for HIV in the past 12 months?
SPECNTST Most important reason not tested past 12 months

{text response; max length = 100 characters}

Don't Know.....	9
Refuse to Answer.....	7

Check_SRPSeries. Go to CALC_ENDHT.

Universe_SRPSeries. Rs who reported ever testing HIV-positive.

Self-Reported HIV-positive (SRP) Series

HIV Test, First Positive

HT7. When did you first test positive? Please tell me the month and year.
POS1ST Date of first positive test

___/___/___ (MM/YYYY)	
Range (Year)	1900-2100
Don't Know (Year).....	9999
Refuse to Answer (Year).....	7777

Check_CALC_POS1ST_C If R did not report when they first tested positive (HT7 EQ DK or REF), go to HT7d.
. Else, go to CALC_POS1ST_C.

CALC_POS1ST_C. Century month version of POS
POS1ST_C 1ST date $POS1ST_C = ((POS1STY-1900)*12) + POS1STM$

SoftEdit_HT7. If year of first positive test is before 1985 (HT7 (year) LT 1985), DISPLAY: "INTERVIEWER: HIV testing was not widely available before 1985. Please confirm the year respondent first tested HIV-positive. If [fill with response to HT7 (year)] is NOT correct, please go back to the previous screen and re-enter the correct year." Then go to HardEdit_HT7.

HardEdit_HT7. If date R first tested positive after interview date ((POS1ST_C GT IDATE_C) or (POS1STY AFTER IDATEY)), DISPLAY: "INTERVIEWER: The date respondent first tested HIV-positive cannot be after today's date." Then, go back to HT7.

If date R first tested positive before date of birth (HT7 BEFORE ES1), DISPLAY: "INTERVIEWER: The date respondent first tested HIV-positive cannot be before the date of birth, [fill with response to ES1, formatted as Month DD, YYYY]." Then go back to HT7.

If date R first tested positive after most recent test date ((POS1ST_C GT RCNTST_C) or (POS1STY AFTER RCNTSTY)),
 DISPLAY: "INTERVIEWER: The date respondent first tested HIV-positive cannot be after the most recent test [if
 month & year of last test are known, fill with response to HT4, formatted as "in month, YYYY"; if month missing
 but year known, fill with response to HT4 (year), formatted as "in YYYY"]., Then go back to HT7.
 Else, go to HT7d.

HIV Linkage to Care

Universe_LinkagetoCare. All HIV-positive Rs.

Notes_LinkagetoCare. See [Measure References](#).

HT7d. Within 30 days after you got your first positive HIV test, did someone let you know where you could go for outpatient care?
 TLDCARE Told where to get HIV care

No.....	0
Yes.....	1
Don't Know.....	9
Refuse to Answer.....	7

HT8a. Have you ever been seen by a doctor, nurse, or other health care provider for a medical evaluation or care related to your HIV infection?
 POSMD Seen health care provider for HIV infection

No.....	0
Yes.....	1
Don't Know.....	9
Refuse to Answer.....	7

Check_HT8b. If R has ever been seen for HIV care (HT8a EQ 1), go to HT8b.
 Else, go to CALC_ENDHT.

HT8b. When did you first go to your health care provider after learning you had HIV? Please tell me the month and year.
 FRSMO First saw health care provider after learning HIV+

___ / ___ (MM/YYYY)

Range (Year)	1900-2100
Don't Know (Year).....	9999
Refuse to Answer (Year).....	7777

Check_CALC_FRSMO_C. If R did not report when they first went to a health care provider (HT8b EQ DK or REF), go to Check_HT8b.1
 Else, go to CALC_FRSMO_C.

CALC_FRSMO_C. Century month version of
 FRSMO_C FIRST MD date $CALC_FRSMO_C = (FRSMO_DY - 1900) * 12 + FRSMO_DM$

HardEdit_HT8b. If R's date of first visit for HIV care is after date of interview ((FRSMD_C GT IDATE_C) or (FRSMDY AFTER IDATEY)), DISPLAY: "**INTERVIEWER:** The date respondent first saw a health care provider about his or her positive serostatus cannot be after today's date." Then, go back to HT8b.

If R's date of first visit for HIV care is before date of birth (HT8b BEFORE ES1), DISPLAY: "**INTERVIEWER:** The date respondent first saw a health care provider about his or her positive serostatus cannot be before the date of birth, [fill with (value for ES1, formatted as Month DD, YYYY)]. Then, go back to HT8b.

If R's date of first visit for HIV care is before date of first HIV-positive test date ((POS1ST_C GT FRSMD_C) or (POS1STY AFTER FRSMDY)), DISPLAY: "**INTERVIEWER:** The date respondent first saw a health care provider about his or her positive serostatus should not be before the first positive test." Then, go back to HT8b.

Else, go to Check_HT8b.1

Check_HT8b.1 If R did not know when first visit for HIV care occurred or date of first positive test result (HT8b or HT7 EQ DK) or if R did not know the month of first visit for HIV care or month of first positive test date (FRSMDM is missing or POS1STM is missing), go to HT8b.1.

Else, go to HT8c.

HT8b.1. Did you first go to your health care provider for HIV care more than 30 days after learning you had HIV?

C_FRSM D

Confirm: 1st MD visit more than 30 days before 1st HIV-pos Dx

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

HT8c. When did you last go to your health care provider for HIV care? Please tell me the month and year.

LASTMD

Last saw health care provider

__ / __ (MM/YYYY)

- Range (Year) 1900-2100
- Don't Know (Year)..... 9999
- Refuse to Answer (Year)..... 7777

Check_CALC_LASTMD_C. If R did not report when they last visited a health care provider (HT8c EQ DK or REF), go to Check_HT8c.1. Else, go to CALC_LASTMD_C.

CALC_LASTMD_C.

Century month version of
 LASTMD_C LAST MD date $LASTMD_C = (LASTMDY-1900) * 12 + LASTMDM$

HardEdit_HT8c. If R's date of last visit for HIV care after date of interview ((LASTMD_C GT IDATE_C) or (LASTMDY AFTER IDATEY)), DISPLAY: "**INTERVIEWER:** The date respondent last saw a health care provider cannot be after today's date." Then, go back to HT8c.

If R's date of last visit for HIV care before date of birth (HT8c BEFORE ES1), DISPLAY: "**INTERVIEWER:** The date of respondent's last visit cannot be before the date of birth, [fill with value for ES1, formatted as Month DD,

YYYY)]." Then, go back to HT8c.

If R's date of last visit for HIV care is before date of first visit for HIV care ((LASTMD_C LT FRSMDC_C) or (FRSMDCY AFTER LASTMDY)), DISPLAY: "INTERVIEWER: The date of respondent's last visit cannot be earlier than the date of the first visit." Then, go back to HT8c.

If R's date of last visit for HIV care is before date of first positive test ((LASTMD_C LT POS1ST_C) or (POS1STY AFTER LASTMDY)), DISPLAY: "INTERVIEWER: The date of respondent's last visit cannot be earlier than the date of the first positive test." Then, go back to HT8c.

Else, go to Check_HT8c.1.

Check_HT8c.1. If the date of R's last visit for HIV care is more than 6 months ago (LASTMD_C LT AGO6M_C) go to HT9.
 If R's date of last visit for HIV care is DK or month is missing, go to HT8c.1.
 Else, go to HT9.

HT8c.1. **Was your last visit for HIV care in the past 6 months?**
 C_LASTMD Last HIV care in the past 6 months - n/y

No.....	0
Yes.....	1
Don't Know.....	9
Refuse to Answer.....	7

HIV Medications

Universe_HIVMedications. Rs who reported having seen a health care provider for HIV care.

HT9. **Are you currently taking antiretroviral medicines to treat your HIV infection?**
 CURRAMED Currently taking antiretrovirals

No.....	0
Yes.....	1
Don't Know.....	9
Refuse to Answer.....	7

HIV Viral Load

HT10a. **An HIV viral load test measures the amount of HIV in your blood. In the past 12 months, that is, since [fill with interview month, formatted as text] of last year, have you had an HIV viral load test?**
 VLTST12MR7 Viral load test, 12m

No.....	0
Yes.....	1
Don't Know.....	9
Refuse to Answer.....	7

Check_HT10b. If R had a viral load test in past 12m, go to INTRO_HT10b.
 Else, go to CALC_ENDHT.

INTRO_HT10b. DISPLAY: "A person with HIV whose amount of virus in their body is very low may be told by a health care provider that their HIV viral load is undetectable..

HT10b. **Thinking of your most recent viral load test, was the result undetectable, detectable, or you don't know?**
 VLRSLTR7 Viral load test, recent result

Undetectable.....	1
Detectable.....	2
Don't know.....	3
Refuse to Answer.....	7

CALC_ENDHT.

ENDHT Time HIV testing section ended ENDHT = Current time

END_HT. Go to Health Conditions Section (HC).

NHBS ROUND 7 QUESTIONNAIRE

HEALTH CONDITIONS (HC)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preset Variables	--	AGE	QDS calculated age today
Preset variables	--	CYCLE	NHBS Cycle

Universe_HC. All Eligible Rs who consented to interview and completed prior section.

CALC_BEGHC.

BEGHC Time at beginning of HC section
 BEGHC = Current time

INTRO_HealthConditions. DISPLAY: "Next, I'd like to ask you some questions about your health."

Hepatitis C (HCV)

INTRO_HC1. DISPLAY: "The first questions are about hepatitis C. There are three common types of hepatitis- hepatitis A, hepatitis B and hepatitis C. Hepatitis C is spread through infected blood and is the type of hepatitis that DOES NOT have a vaccine."

HC1. **Have you ever been tested for hepatitis C infection?**
 EVRHCTST Ever tested for HCV
 No..... 0
 Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

Check_HC2a. If R ever tested for hepatitis C (HC1 EQ 1), go to HC2a.
 Else, go to INTRO_HC5a.

HC2a. **In what year did you have your most recent hepatitis C test?**
 RCHCTST When most recent HCV test
 ----- 1900-2100
 Don't Know..... 9999
 Refuse to Answer..... 7777

HardEdit_HC2a. If year of most recent hepatitis test after current year (RCHCTSTY GT IDATEY), Display: "INTERVIEWER: The year of the most recent hepatitis C test cannot be after the current year". Then, go back to HC2a.
 Else, go to HC2b.

[Give Respondent Flashcard W.]

Which of the following best describes where you got that last hepatitis C test?

HC2b.

HCVTLOC

[READ choices.]

Location of last HCV test

- Doctor's office, clinic, or health center..... 1
- Hospital..... 2
- Jail, prison, or detention center..... 3
- Drug or alcohol treatment program..... 4
- Needle or syringe exchange program..... 5
- Other HIV/AIDS-focused organization..... 6
- Some other place..... 7
- Don't Know.....99
- Refuse to Answer.....77

Check_HC2c. If R does not report 'Other' (HC2b NE 7), go to HC3. Else, go to HC2c.

HC2c.

SPECHCVT

INTERVIEWER: Type in other location where respondent got the last hepatitis C test.

Other location where R got hepatitis C test

{text response; max length = 100 characters}

Refuse to Answer..... 7

HC3.

HEPCEVER

Has a doctor, nurse, or other health care provider ever told you that you had hepatitis C?

Ever told had hepatitis C by doctor or nurse

- No..... 0
- Yes..... 1
- Don't Know..... 9
- Refuse to Answer..... 7

Check_HC4a. If R never told they had hepatitis C (HC3 NE 1), go to INTRO_HC5a. Else, go to HC4a.

[Give Respondent Flashcard X.]

When were you told you had hepatitis C?

HC4a.

WHENTHC

[READ choices.]

When told had HCV

- 6 months ago or less..... 0
- More than 6 months, but less than 1 year ago..... 1
- At least 1 year but less than 5 years ago..... 2
- At least 5 years but less than 10 years ago..... 3
- 10 years ago or more..... 4
- Don't Know..... 9
- Refuse to Answer..... 7

HC4b.

HCVMEDS

Have you ever taken medicine to treat your hepatitis C infection?

Ever taken medicine to treat HCV

- No..... 0
- Yes..... 1

Don't Know..... 9
 Refuse to Answer..... 7

Sexually Transmitted Diseases

Notes_STDs. See [Measure References](#).

INTRO_HC5a. On one screen, DISPLAY: "Now, I'm going to ask you some questions about sexually transmitted diseases, or STDs, other than HIV and hepatitis."

 On the next screen, DISPLAY: "Has a doctor or other health care provider EVER told you that you had either of the following:

 [READ choices. CHECK YES or NO for each one.]"

HC5a. Genital herpes?
 EVRHERP Ever diagnosed genital herpes
 No..... 0
 Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

HC5b. Genital warts?
 EVRGWAR Ever diagnosed genital warts
 No..... 0
 Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

HC6. **In the past 12 months, that is, since [fill with interview month, formatted as text] of last year, were you tested by a doctor or other health care provider for a sexually transmitted disease like gonorrhea, chlamydia, or syphilis? Do NOT include tests for HIV or hepatitis.**
 STDTEST Tested for STD past 12 months
 No..... 0
 Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

Check_HC7. If MSM cycle and R reported STD testing in past 12 months, (CYCLE EQ 1 AND HC6 EQ 1), go to HC7. Else, go to INTRO_HC8a.

HC7. In the past 12 months, did you have an anal or rectal STD test?
 RSTDTEST Rectal STD test past 12 months
 No..... 0
 Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

INTRO_HC8a. DISPLAY: "In the past 12 months, has a doctor or other health care provider told you that you had...

 [READ choices. CHECK YES or NO for each one.]"

HC8a.	Gonorrhea?	
GONORR	Gonorrhea past 12 months	
	No.....	0
	Yes.....	1
	Don't Know.....	9
	Refuse to Answer.....	7

HC8b.	Chlamydia?	
CHLAMYD	Chlamydia past 12 months	
	No.....	0
	Yes.....	1
	Don't Know.....	9
	Refuse to Answer.....	7

HC8c.	Syphilis?	
SYPHILIS	Syphilis past 12 months	
	No.....	0
	Yes.....	1
	Don't Know.....	9
	Refuse to Answer.....	7

Check_HC9a.	If MSM cycle (CYCLE EQ 1), go to HC9a. Else, go to INTRO_HC10a.
--------------------	--

HC9a.	Have you ever received a vaccine against HPV, for example, GARDASIL, which prevents genital warts, anal cancer, and cervical cancer?	
HPVVAC	Ever received HPV shot	
	No.....	0
	Yes.....	1
	Don't Know.....	9
	Refuse to Answer.....	7

Check_HC9b.	If R has received HPV vaccine (HC9a EQ 1), go to HC9b. Else, go to INTRO_HC10a.
--------------------	--

HC9b.	How old were you when you received your <u>first</u> dose of the HPV vaccine?	
AGEVAC	Age first dose HPV vaccine	
	— — —	
	Range.....	0-100
	Don't Know.....	999
	Refuse to Answer.....	777

HardEdit_HC9b.	If age at first dose of vaccine is greater than R's age (HC9b GT AGE), DISPLAY: "INTERVIEWER: The age of first vaccination cannot be greater than respondent's current age, [fill with value for R's age (AGE)]." Then, go back to HC9b. Else, go to INTRO_HC10a.
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Psychological Distress - Kessler-6 (K6) scale

Notes_K6Scale. See [Measure References](#).

INTRO_HC10a. DISPLAY: [Give Respondent Flashcard Y.]
"These next questions ask how you have been feeling during the past 30 days. Please tell me how you have been feeling using one of the options on this card."

During the past 30 days, how often did you feel nervous?

HC10a.
FEELNERV

- [READ choices.]
- How often nervous in past 30 days
- All of the time..... 0
- Most of the time..... 1
- Some of the time..... 2
- A little of the time..... 3
- None of the time..... 4
- Don't Know..... 9
- Refuse to Answer..... 7

During the past 30 days, how often did you feel hopeless?

HC10b.
FEELHOPE

- [READ choices.]
- How often hopeless in past 30 days
- All of the time..... 0
- Most of the time..... 1
- Some of the time..... 2
- A little of the time..... 3
- None of the time..... 4
- Don't Know..... 9
- Refuse to Answer..... 7

During the past 30 days, how often did you feel restless or fidgety?

HC10c.
FEELREST

- [READ choices.]
- How often restless in past 30 days
- All of the time..... 0
- Most of the time..... 1
- Some of the time..... 2
- A little of the time..... 3
- None of the time..... 4
- Don't Know..... 9
- Refuse to Answer..... 7

During the past 30 days, how often did you feel so sad or depressed that nothing could cheer you up?

HC10d.
FEELSAD

- [READ choices.]
- How often sad/depressed in past 30 days
- All of the time..... 0
- Most of the time..... 1
- Some of the time..... 2
- A little of the time..... 3
- None of the time..... 4
- Don't Know..... 9

Refuse to Answer..... 7

During the past 30 days, how often did you feel that everything was an effort?

HC10e.

[READ choices.]

FELEFRT

How often everything an effort in past 30 days

All of the time..... 0

Most of the time..... 1

Some of the time..... 2

A little of the time..... 3

None of the time..... 4

Don't Know..... 9

Refuse to Answer..... 7

During the past 30 days, how often did you feel down on yourself, no good or worthless?

HC10f.

[READ choices.]

FEELDOWN

How often down in past 30 days

All of the time..... 0

Most of the time..... 1

Some of the time..... 2

A little of the time..... 3

None of the time..... 4

Don't Know..... 9

Refuse to Answer..... 7

CALC_ENDHC.

Time health conditions section

ENDHC

ended

ENDHC = Current time

END_HC.

Go to Prevention Activities Section (PA).

NHBS ROUND 7 QUESTIONNAIRE

PREVENTION ACTIVITIES (PA)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preset Variables	--	CYCLE	NHBS Cycle
Preset Variables	--	QYR	Current questionnaire year
Injection Drug Use	--	LINJ12	injected in last 12 months
Injection Drug Use	ID8	STERILE	INJ Frequency used sterile needle- 12 months
Eligibility Screener	--	E_INJ12	injected in last 12 months
Eligibility Screener	ES8a	BIRTHSEX	Sex at birth
Eligibility Screener	ES8b	GNDRR7	Gender identity
Sexual Behavior	SX36b	LPHIVSTS	LP: Partner HIV status at last event
Sexual Behavior	SX68b	LPTMHIVSTS	LP: Partner HIV status at last event
HIV Testing	HT2	EVERPOS	Ever test positive for HIV
HIV Testing	HT4c	RCNTRST	Result most recent HIV test
HIV Testing	HT7	POS1ST	Date of first positive test

Universe_PA. All Eligible Rs who consented to interview and completed prior section.

CALC_BEGPA.

BEGPA Time at beginning of PA section BEGPA = Current time

HIV Prevention Resources

INTRO_PA1a. DISPLAY: "Next I'd like to ask you about HIV prevention activities that happen around here."

PA1a. In the past **12 months**, that is, since [fill with interview month, formatted as text] of last year, have you gotten any free condoms, not counting those given to you by a friend, relative or sex partner?

- COND12 Received free condoms past 12 mos
- No..... 0
 - Yes..... 1
 - Don't Know..... 9
 - Refuse to Answer..... 7

Check_PA1b. If R got free condoms (PA1a EQ 1) go to PA1b.
Else, go to Check_PA2a.

[Give Respondent Flashcard Z.]

Which place or places on this list did you get free condoms from?

- PA1b.** [READ choices. CHECK ALL that apply.]
- FCON Location got free condoms
 - FCONA HIV/AIDS-focused organization

FCONB	Gay, lesbian, bisexual, transgender, or queer organization
FCONC	Needle or syringe exchange program
FCOND	IDU outreach program
FCONE	Doctor's office, health center, clinic or hospital
FCONF	Drug or alcohol treatment center
FCONG	Bar, club, bookstore, or other business
FCONH	Other community organization
FCONI	Some other place
	Don't Know.....99
	Refuse to Answer.....77

Check_PA2a. If R injected in p 12m (LINJ12 EQ 1 OR E_INJ12 EQ 1), go to PA2a. Else go to PA4a.

PA2a. **In the past 12 months, that is, since [fill with interview month, formatted as text] of last year, have you gotten any new sterile needles? By new sterile needle, I mean no one - not even you - had ever used it before.**

STLNDL12	Got new sterile needles, 12m
	No..... 0
	Yes..... 1
	Don't Know..... 9
	Refuse to Answer..... 7

Check_PA2b. If R got new sterile needles (PA2a EQ 1), go to PA2b. Else, go to PA2c.

[Give Respondent Flashcard AA]

From which of the following places or people did you get new sterile needles in the past 12 months? You may choose more than one option.

PA2b. [READ CHOICES. CHECK ALL that apply.]

SNDLSR7	Sources of new sterile needles, 12m
SNDLSR7A	Needle or syringe exchange program
SNDLSR7B	Someone who got them from a needle exchange
SNDLSR7C	Pharmacy or other store
SNDLSR7D	Doctor's office, clinic, or hospital
SNDLSR7E	Some other place
	Don't Know..... 9
	Refuse to Answer..... 7

PA2c. **In the past 12 months, did you try to get new, sterile needles but were unable to?**

SNDLTRY	Tried to get new sterile needles
	No..... 0
	Yes..... 1
	Don't Know..... 9
	Refuse to Answer..... 7

HIV Behavioral Interventions

PA4a. **In the past 12 months, have you had a one-on-one conversation with an outreach worker, counselor, or prevention program worker about ways to prevent HIV? Don't count the times when you had a conversation as part of an HIV test.**

TALKHIV	Talked to cnslr. about prevention p 12m	
	No.....	0
	Yes.....	1
	Don't Know.....	9
	Refuse to Answer.....	7

PA4b.	In the past 12 months, have you been a participant in any organized session(s) involving a small group of people to discuss ways to prevent HIV? Don't include discussions you had with a group of friends.	
GROUP12	Participate in group session p 12m	
	No.....	0
	Yes.....	1
	Don't Know.....	9
	Refuse to Answer.....	7

PrEP/PEP

Universe_PrEP.	All Rs.
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Check_INTRO_PA5.	If R did not self-report being HIV-positive (HT4c NE 2 and HT2 NE 1), go to INTRO_PA5. If R reported being HIV-positive (HT2 EQ 1 or HT4c EQ 2), go to PA6a.
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INTRO_PA5.	DISPLAY: "The next questions are about the use of anti-HIV medicines, also called antiretrovirals. There are two ways that people who are HIV-negative can take anti-HIV medicines to reduce their risk of becoming infected."
-------------------	--

PEP use, 12m

PA5.	When a person who is HIV-negative takes pills for 28 days after a single high-risk exposure to reduce their chances of getting HIV, this is called <u>POST</u>-exposure prophylaxis, or PEP. In the past 12 months, have you taken PEP?	
PEPUSE	PEP, use, 12m	
	No.....	0
	Yes.....	1
	Don't Know.....	9
	Refuse to Answer.....	7

PrEP Awareness

PA6a.	<u>PRE</u>-exposure prophylaxis, or <u>PrEP</u>, is an antiretroviral medicine, such as Truvada, that is used for months or years by a person who is HIV-negative to reduce the risk of getting HIV. Before today, have you ever heard of PrEP?	
PRPAWRR7	PrEP, awareness	
	No.....	0
	Yes.....	1
	Don't Know.....	9
	Refuse to Answer.....	7

PrEP use, 12m

Check_PA6b.	If R aware of PrEP (PA6a EQ 1) & did not report HIV-positive (HT2 NE 1 & HT4c NE 2), go to PA6b. If R aware of PrEP (PA6a EQ 1) & reported HIV-positive (HT2 EQ 1 or HT4c EQ 2), go to Check_INTRO_PA7a. Else, go to Check_PA8a.
--------------------	--

PA6b. **In the past 12 months, have you had any discussion with a health care provider about using PrEP?**
 PRPDSCR7 PrEP, discussed with HCP, 12m

No.....	0
Yes.....	1
Don't Know.....	9
Refuse to Answer.....	7

PA6c. **In the past 12 months, have you used PrEP to reduce the risk of getting HIV?**
 PRPUS12R7 PrEP use, 12m (y/n)

No.....	0
Yes.....	1
Don't Know.....	9
Refuse to Answer.....	7

Check_PA6d. If R reported using PrEP, 12m (PA6c EQ 1) & MSM cycle (CYCLE EQ 1), go to PA6d (PrEP on-demand).
 If R reported using PrEP, 12m (PA6c EQ 1) & IDU or HET cycle (CYCLE EQ 2 or 3), go to PA6e.1 (when last used PrEP).
 If R did not report using PrEP, 12m, (PA6c EQ 0) go to Check_INTRO_PA7a (Ever used PrEP).
 Else, go to Check_PA8a.

Notes_PrEPUse12m. See [Measure References](#).

PA6d. **On-demand PrEP, also known as PrEP 2-1-1, is taking 2 pills a few hours before sex, 1 pill the next day, and 1 pill the day after that.**

In the past 12 months, have you taken on-demand PrEP at any time?
 PRPDMND On-demand PrEP Use, 12m

No.....	0
Yes	1
Don't Know.....	9
Refuse to Answer.....	7

PA6e.1. **When was the last time you used PrEP? That is, how many days, weeks, or months ago did you last use PrEP?**

[INTERVIEWER: If today, enter "0".]

PRPLDNR7 Time since last PrEP, number

— — —

Range.....	0-365
Don't Know.....	999
Refuse to Answer.....	777

Check_PA6e.2. If R last took PrEP at least 1 day ago (PA6e.1. GE 1), go to PA6e.2.
Else, go to CALC_PRP30D.

PA6e.2. [INTERVIEWER: Was this days, weeks, or months?]

PRPLDU Time since last PrEP, unit

Days.....0.....

Weeks.....1.....

Months.....2.....

CALC_PRP30D.

PRP30D Took PrEP in past 30 days $PRP30D = \text{if}(\text{PRPLDNR7}=\text{DK or PRPLDNR7}=\text{REF}), ., \text{if}((\text{PRPLDNR7}=0), 1, \text{if}((\text{PRPLDU}=0 \ \& \ \text{PRPLDNR7} \leq 31), 1, \text{if}((\text{PRPLDU}=1 \ \& \ \text{PRPLDNR7} \leq 5), 1, \text{if}((\text{PRPLDU}=2 \ \& \ \text{PRPLDNR7} \leq 1), 1, 0))))$

PrEP, Drug Last Used

PA6f. [Give Respondent Flashcard BB.]

Which PrEP drug did you use the last time you used PrEP?

[READ choices.]

PRPDRG PrEP, Drug last used

Truvada, either brand or generic.....10.....

Descovy20.....

Injectable Cabotegravir.....30.....

Dapivirine vaginal ring.....40.....

Other.....50.....

Don't Know.....99.....

Refuse to Answer.....77.....

Check_INTRO_PA6j. If R last took PrEP in past 30 days or 5 weeks or 1 month (PRP30D EQ 1) & R last took Truvada or Descovy (PRPDRG EQ 10 or 20), go to INTRO_PA6j.
Else, go to Check_PA8a.

PrEP Adherence

Notes_PrEPAdherence. See [Measure References](#).

INTRO_PA6j. DISPLAY: "A lot of people don't take medications exactly as they are supposed to, at least some of the time. We'd like to know about your experiences with PrEP."

PA6j. **In the past 30 days, on how many days did you miss a dose of your PrEP medicine?**

PRPDM30 PrEP adherence, Days missed, 30 d

— — —

Range.....0-30.....

Don't Know.....99.....

Refuse to Answer.....77.....

PrEP use, Ever

Universe_PrEP use, Ever. Rs who are R aware of PrEP & who 1st diagnosed after 2010 or did not use PrEP 12m.

Check_INTRO_PA7a. If R is aware of PrEP (PA6a EQ 1) & ((reported HIV-positive (HT2 EQ 1 or HT4c EQ 2) & 1st diagnosed after 2010 (POS1STY>2010)), or did not use PrEP 12m (PA6c EQ 0)), go to INTRO_PA7a (Intro to PrEP use ever). Else, go to Check_PA8a (Check before non-SRP R's PrEP use at last sex).

INTRO_PA7a. DISPLAY: "Now I'll ask a few more questions about using PrEP."

PA7a. [If R is HIV-positive (HT2 EQ 1 or HT4c EQ 2), fill with "Before you first tested positive for HIV, had", else fill with "Have"] **you ever used PrEP to reduce the risk of getting HIV?**

PRPEVRR7 PrEP use, ever

No 0

Yes.....1.....

Don't Know.....9.....

Refuse to Answer.....7.....

Check_PA7b.1 If R ever used PrEP, (PA7a EQ 1), go to PA7b.1.

Else, go to Check_PA8a.

PA7b.1. Think about the first time you used PrEP. How many years ago was that?

PRP1STR7 Time since 1st PrEP use

— — —

Range.....0-30.....

Don't Know.....99.....

Refuse to Answer.....77.....

Check_PA7b.2. If R last took PrEP at least 1 month ago (PA7b.1.GE 1), go to PA7b.2.
Else, go to Check_PA8b.

PA7b.2. [INTERVIEWER: Was this months or years?]

PRP1STU Time since first PrEP, unit

Months.....0.....

Years.....1.....

CALC_PRP1STYR.

	PRP1STYR = if (PRP1STR7=DK or PRP1STR7=REF), ., if((PRP1STR7=0), 0,
PRP1STYR	if((PRP1STR7 LE 11 & PRP1STU EQ 0), 0, if((PRP1STR7 GE 1 & PRP1STU=1),PRP1STYR=PRP1STR7, .))))
Number of years ago took PrEP	

CALC_2010YR

2010YR	Years since 2010	2010YR = QYR - 2010
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HardEdit_PA7b.2. If first took PrEP before 2011 (PRP1STYR GT 2010YR), DISPLAY: **INTERVIEWER:** PrEP was not available before 2011. Clarify whether R ever used PrEP and if so, how long ago they first used it. If R did not use PrEP, go back and re-enter response to PA7a. Then, go back to PA7a.

PrEP use, Last sex

Check_PA8a. If R did not self report being HIV-positive (HT2 NE 1 & HT4c NE 2) & used PrEP, 12m (PA6c EQ 1), & had sex 12m (M_FHET EQ 1 or F_MHET EQ 1 or (M_MSX12 GE 1 & M_MSX12 LE 7000) or (TM_PS12M GE 1 & TM_PS12M LE 7000)) go to INTRO_PA8a.

Else, go to Check_PA8b.

INTRO_PA8a. DISPLAY: "Earlier, I asked some questions about the last time you had sex. Now I'd like to ask a few more questions about that time."

PA8a. **Were you using PrEP the last time you had sex?**

PRPRLSX PrEP use at last sex, respondent (y/n)

No.....	0
Yes.....	1
Don't Know.....	9
Refuse to Answer.....	7

Check_PA8b. If last sex partner HIV-negative (SX36b EQ 1 or SX68b EQ 1), go to INTRO_PA8b. Else, go to CALC_ENDPA.

INTRO_PA8b. Earlier, you said that the last time you had [if R is cisgender woman (ES8a EQ 2 & ES8b EQ 2), fill with "sex with a man, he was HIV-negative.", else fill with "sex, your partner was HIV-negative."]

PA8b. **The last time you had sex with this partner, were they taking PrEP, NOT taking PrEP, or you didn't know?**

PRPPLSX PrEP use at last sex, HIV-neg partner

Partner was taking PrEP.....	1
Partner was NOT taking PrEP.....	2
Didn't know.....	3
Refuse to Answer.....	7

CALC_ENDPA.

ENDPA Time prevention activities section ended ENDPA = Current time

END_PA. Go to Justice System Experiences Section (JS).

NHBS ROUND 7 QUESTIONNAIRE

JUSTICE SYSTEM EXPERIENCES (JS)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label

Universe_JS.	All Eligible Rs who consented to interview and completed prior section.		
---------------------	---	--	--

CALC_BEGJS.			
BEGJS	Time at beginning of JS section	BEGJS = Current time	

INTRO_JS1.	DISPLAY: "Now I will ask you about experiences you may have had with the criminal justice system."		
-------------------	--	--	--

JS1. **Have you ever been held in a detention center, jail, or prison for more than 24 hours?**
 EVHELD Ever held or arrested
 No..... 0
 Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

Check_JS1a.	If R ever arrested (JS1 EQ 1), go to JS1a. Else, go to CALC_ENDJS.		
--------------------	---	--	--

JS1a. **During the past 12 months, that is, since [fill with interview month, formatted as text] of last year, have you been held in a detention center, jail, or prison for more than 24 hours?**
 HELD12M Held or arrested past 12 months
 No..... 0
 Yes..... 1
 Don't Know..... 9
 Refuse to Answer..... 7

CALC_ENDJS.			
ENDJS	Time justice system experiences section ended	ENDJS = Current time	

END_JS.	Go to Violence Section (VE).		
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NHBS ROUND 7 QUESTIONNAIRE

VIOLENCE (VE)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label

Universe_VE. All Eligible Rs who consented to interview and completed prior section.

CALC_BEGVE.

BEGVE	Time at beginning of VE section	BEGVE = Current time
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Notes_Violence. See [Measure References](#).

Violence, Physical

INTRO_VE1. DISPLAY: "Next, I would like to ask you about some difficult situations that may have happened to you."

VE1. **In the past 12 months, that is, since [fill with interview month, formatted as text] of last year, has anyone slapped, punched, shoved, kicked, shaken or otherwise physically hurt you?**

PHVIO12M Physical violence, 12 mo

No.....	0
Yes.....	1
Don't Know.....	9
Refuse to Answer.....	7

Violence, Sexual

VE2. **In the past 12 months, has anyone forced or pressured you to have vaginal, oral, or anal sex when you did not want to?**

SXVIO12M Sexual violence, 12 mo

No.....	0
Yes.....	1
Don't Know.....	9
Refuse to Answer.....	7

CALC_ENDVE.

ENDVE	Time violence section ended	ENDVE = Current time
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END_VE. If QYR EQ 2023, insert items in Appendix C. Else, go to End of Survey Section (END).

NHBS ROUND 7 QUESTIONNAIRE

END OF SURVEY (END)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Prevention Activities	VE2	SXVIO12M	Sexual violence, 12 mo
Preset Variables	--	CYCLE	NHBS Cycle
Preset Variables	--	LANGUAGE	Language
Eligibility Screener	ES8b	GNDRR7	Gender
Consent	CN1	CONSENTA	Consent to survey
Consent	CN2	CONSENTB	Consent to HIV testing
Interviewer Entered Information	IE10	ISEED	Respondent is a seed
Injection Drug Use	ID1	EVRINJ	Ever Injected drugs
Eligibility Screener	--	EL_MSM	Eligible: MSM cycle
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle

UNIVERSE_END. All Rs.

Check_END1. If R NOT eligible for cycle (CYCLE EQ 1 & EL_MSM EQ 0) or (CYCLE EQ 2 & EL_IDU EQ 0) or (CYCLE EQ 3 & EL_HET EQ 0), go to INTRO_END6a.
 If last question asked of all Rs EQ DK or REF ((QYR EQ 2023 & MP2 EQ DK or REF) or (QYR NE 2023 & VE2 EQ DK or REF)), go to END1.
 Else, go to CALC_ENDCORE.

END1. **INTERVIEWER: Please confirm. Did the person complete the survey?**
 C_CMPLT Confirm Complete
 Did NOT complete the survey..... 0
 DID complete the survey..... 1

CALC_ENDCORE.
 ENDCORE Timestamp at end of core ENDCORE = Current time

CALC_COMPLETE.
 COMPLETE Interview complete COMPLETE = IF(SXVIO12M=0 or SXVIO12M=1, 1, IF(C_CMPLT=1, 1, 0))

Check_END2a. If R did NOT consent to HIV test before interview (CN2 EQ 0), go to END2a.
 Else, go to END5.

Consent, Post-Interview

My records reflect that you did not agree to HIV testing when asked earlier during the interview. Before I close out the survey, I'd like to ask you again about whether or not you would like an HIV test. Did you want the HIV test that is part of today's survey?

END2a. [DO NOT read choices.]
 C_T_CNST Confirmation of HIV Testing Consent
 No - Respondent DOES NOT want an HIV test..... 0
 Yes - Respondent DOES want an HIV test..... 1

Check_END2b.	If R wants HIV test (END2a EQ 1), go to END2b. Else, go to END5.
---------------------	---

END2b. **Do you agree to HIV counseling and testing?**
HIVCNSTB Revised Consent to HIV testing
No..... 0
Yes..... 1

Check_END4.	If R consented to HIV test after interview (END2b EQ 1), go to END4. Else, go to END5.
--------------------	---

END4. **Do you agree to let us store some of your test sample(s) for future testing?**
CNSTSTG2R6 Revised Consent to Specimen Storage
No..... 0
Yes..... 1

Interviewer Assessment - Post-Interview

END5. **INTERVIEWER: How confident are you of the validity of the respondent's answers?**
VALIDITY Confidence in validity of answers
Confident..... 1
Some doubts..... 2
Not confident at all..... 3

Check_END5a.	If Interviewer doubts validity of responses (END5 EQ 2 or 3), Go to END5a. Else, go to Check_CALC_RDS Recruiter Variables.
---------------------	---

END5a. **INTERVIEWER: Please explain why you are not confident in the respondent's answers:**
VALSPEC Specify why not confident in answers

{text response; max length = 1000 characters}

Check_CALC_RDSRecruiterVariables.	If IDU cycle (CYCLE EQ 2), go to CALC_IDU_RCTRR6. If HET cycle (CYCLE EQ 3), go to CALC_HHINLOR6. Else, go to Check_END6a.
--	--

RDS Recruiter Variables

IDU Recruiter

CALC_IDU_RCTRR6.	If data are valid (VALIDITY EQ 1 or 2) & complete (COMPLETE EQ 1), R selected to receive coupons (IDU_RCTRR6=1). Else, R is NOT to receive coupons (IDU_RCTRR6 EQ=0).
IDU_RCTRR6	Eligible: IDU RDS Recruiter

CALC_IDU_RCTR_DCC.
IDU_RCTR_DCC IDU Recruiter for DCC Portal IDU_RCTR_DCC = IDU_RCTRR6

Check_CALC_HET_RCTR. Go to INFO_RCTR.

HET Definition

CALC_HHINLOR6
HHINLOR6 Income range reported, min. If HHINCR6=0 , HHINLOR6=0;
 If HHINCR6=1 , HHINLOR6=5000;
 If HHINCR6=2 , HHINLOR6=10000;
 If HHINCR6=3 , HHINLOR6=12500;
 If HHINCR6=4 , HHINLOR6=15000;
 If HHINCR6=5 , HHINLOR6=20000;
 If HHINCR6=6 , HHINLOR6=25000;
 If HHINCR6=7 , HHINLOR6=30000;
 If HHINCR6=8 , HHINLOR6=35000;
 If HHINCR6=9 , HHINLOR6=40000;
 If HHINCR6=10 , HHINLOR6=50000;
 If HHINCR6=11 , HHINLOR6=60000;
 If HHINCR6=12 , HHINLOR6=75000;
 If HHINCR6=13 , HHINLOR6=100000;
 If HHINCR6=(DK or REF) , HHINLOR6= .;

CALC_HHINHIR6
HHINHIR6 Income range reported, max. If HHINCR6=0 , HHINHIR6=4999;
 If HHINCR6=1 , HHINHIR6=9999;
 If HHINCR6=2 , HHINHIR6=12499;
 If HHINCR6=3 , HHINHIR6=14999;
 If HHINCR6=4 , HHINHIR6=19999;
 If HHINCR6=5 , HHINHIR6=24999;
 If HHINCR6=6 , HHINHIR6=29999;
 If HHINCR6=7 , HHINHIR6=34999;
 If HHINCR6=8 , HHINHIR6=39999;
 If HHINCR6=9 , HHINHIR6=49999;
 If HHINCR6=10 , HHINHIR6=59999;
 If HHINCR6=11 , HHINHIR6=74999;
 If HHINCR6=12 , HHINHIR6= 99999;
 If HHINCR6=13 , HHINHIR6= .;
 If HHINCR6= (DK or REF) , HHINHIR6= .;

CALC_HHSG18
HHSG18 DHHS Poverty Guidelines, 2018 If HET5 (2019):
 If DEPENDR6= SK , HHSG18= .;
 If DEPENDR6= (DK, REF, or 1) , HHSG18= 12140 ;
 If DEPENDR6=2 , HHSG18= 16460 ;
 If DEPENDR6=3 , HHSG18= 20780 ;
 If DEPENDR6=4 , HHSG18= 25100 ;
 If DEPENDR6=5 , HHSG18= 29420 ;
 If DEPENDR6=6 , HHSG18= 33740 ;
 If DEPENDR6=7 , HHSG18= 38060 ;
 If DEPENDR6=8 , HHSG18= 42380 ;
 If DEPENDR6=9 , HHSG18= 46700 ;
 If DEPENDR6=10 , HHSG18= 51020 ;
 If DEPENDR6=11 , HHSG18= 55340 ;
 If DEPENDR6=12 , HHSG18= 59660 ;
 If DEPENDR6=13 , HHSG18= 63980 ;
 If DEPENDR6=14 , HHSG18= 68300 ;

		<p>If DEPENDR6=15 , HHSGL18= 72620 ; If DEPENDR6=16 , HHSGL18= 76940 ; If DEPENDR6=17 , HHSGL18= 81260 ; If DEPENDR6=18 , HHSGL18= 85580 ; If DEPENDR6=19 , HHSGL18= 89900 ; If DEPENDR6=20 , HHSGL18= 94220 ;</p>
Notes:		Variable name, label, calculation, and reference are updated when new DHHS poverty guidelines applicable to the next HET cycle are released.
Reference:		TBD

CALC_HHS15018		
HHS15018	150% HHS Guideline for # dependents, 2018	<p>If HET5 (2019), HHS15018= HHSGL18* 1.50 ; Else, HHS15018 = . ;</p>
Notes:		Variable name, label, & calculation are updated when new DHHS poverty guidelines applicable to the next HET cycle are released.

CALC_LIMLT18		
LIMLT18	MSA Low income multiplier, 2018	<p>If HET5 (2019): If Memphis or San Juan (CITY= 12 or 23), LIMLT18= 1.0.</p> <p>If Atlanta, Chicago, Dallas, Detroit, Houston, New Orleans, Norfolk, or Portland (CITY= 1, 4, 5, 7, 9, 15, 17, or 19), LIMLT18= 1.1.</p> <p>If Baltimore, Denver, Miami, Philadelphia, or Seattle (CITY= 2, 6, 11, 18, or 24), LIMLT18= 1.2.</p> <p>If Boston, Nassau, Newark, or New York City (CITY= 3, 13, 14, or 16), LIMLT18= 1.3.</p> <p>If Los Angeles, San Diego, or Washington DC (CITY=10, 21, or 25), LIMLT18= 1.4.</p> <p>If San Francisco (CITY=22) LIMLT18= 1.5.</p>
Notes:		<p>Weight to adjust for geographic differences in cost of living. Calculated as the ratio of the Metropolitan Statistical Area Supplemental Poverty Measure threshold for 2-adult 2-children families (renters) to the Official Poverty Measure threshold for 2 adult 2 children families.</p> <p>Variable name, label, calculation, and references are updated when new Census poverty thresholds applicable to the next HET cycle are released.</p>
References:		TBD.

CALC_LITH18		
LITH18	Low income threshold, 2018	<p>If HET5 (2019), LITH18= HHS15018*LIMLT18 ; Else, LITH18 = . ;</p>

CALC_LOWINC18		
LOWINC18	Low income status, 2018	<p>If HET5 (2019): If HHINCR6 in(DK, REF, or SK), LOWINC18=. ; Else if 0 LE HHINLOR6 LE LITH18 LE HHINHIR6, LOWINC18 = 1 ; Else if 0 LT HHINHIR6 LE LITH18, LOWINC18 = 1 ; Else if HHINLOR6 GT LITH18 GT 0, LOWINC18 = 0 ; Else, LOWINC18 = . ;</p> <p>If data collection year NE 2019, LOWINC18 = . ;</p>

CALC_LOWINC_DCC		
LOWINC_DCC	Low income status	LOWINC_DCC = LOWINC18

CALC_HETDEFR5.		
HETDEFR5	Met HET definition	If R has a low income (LOWINC18=1) & is male or female (GNDRR7=1 or GNDRR7=2) & did not inject in past 12m (LINJ12=0 OR EVRINJ=0) & did not have male-male sex in past 12m ((GNDRR7=2) or (M_MEVER=0 or M_MSX12=0)) & had an opposite sex partner in past 12m (M_FHET=1 or F_MHET=1), R meets the HET definition (HETDEFR5=1). Else, R does not meet the HET definition (HETDEFR5=0).

CALC_HETDEF_DCC		
HETDEF_DCC	HET Definition for DCC portal	HETDEF_DCC = HETDEFR5

HET Recruiter

CALC_HET_RCTRR5.		
HET_RCTRR5	Eligible: HET RDS Recruiter	<p>If R is NOT a seed: (ISEED EQ 0): If data are valid (VALIDITY=1 OR VALIDITY=2) & complete (COMPLETE=1) and R met the HET definition (HETDEFR5=1), R selected to receive coupons (HET_RCTRR5=1). Else, R is not to receive coupons (HET_RCTRR5=0).</p> <p>If R IS a seed: (ISEED EQ 1): If R has never injected (EVRINJ=0) & never had male-male sex ((GNDRR7=2) or (M_MEVER=0)) & data are valid (VALIDITY=1 OR VALIDITY=2) & complete (COMPLETE=1) and R met the HET definition (HETDEFR5=1), R selected to receive coupons (HET_RCTRR5=1). Else, R is not to receive coupons (HET_RCTRR5=0).</p>

CALC_HET_RCTR_DCC		
HET_RCTR_DCC	HET Recruiter for DCC portal	HET_RCTR_DCC = HET_RCTRR5

Recruiter Selection Messages

INFO_RCTR.	<p>If RDS cycle & R IS eligible to recruit (CYCLE EQ 1 & MSM_RCTRR6 EQ 1), (CYCLE EQ 2 & IDU_RCTRR6 EQ 1), or (CYCLE EQ 3 & HET_RCTRR5 EQ 1), DISPLAY: "The computer SELECTED this respondent to recruit others and receive coupons."</p> <p>If RDS cycle & R NOT eligible to recruit (CYCLE EQ 1 & MSM_RCTRR6 EQ 0), (CYCLE EQ 2 & IDU_RCTRR6 EQ 0) or (CYCLE EQ 3 & HET_RCTRR5 EQ 0), DISPLAY: "The computer did NOT select this respondent to recruit others and receive coupons."</p>
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Check_INTRO_END6a.	Go to Check_END6a.
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INTRO_END6a	DISPLAY: "Thank you for answering these questions. Unfortunately, the computer has not selected you to participate in the health survey. Thank you again for your time."
--------------------	--

Check_END6a.	If MSM or IDU cycle (CYCLE EQ 1 or CYCLE EQ 2) and interview conducted remotely, (IE4a EQ 1) go to END6a. Else, go to Check_END9.
---------------------	---

Interview Mode, Evaluation

END6a. INTERVIEWER: Did you use a videoconference app to administer this interview?

INTVIDR6 Used videoconference app for interview

No..... 0

Yes..... 1

Check_END6b. If interview conducted by videoconference app (END6a EQ 1) go to END6b. Else, go to END7.

END6b. INTERVIEWER: During this interview, for about how much of the time were you able to see the participant?

VIDEOSEE Able to see participant during interview

All of the time..... 3

Most of the time..... 2

Some of the time..... 1

None of the time..... 0

END6c. INTERVIEWER: During this interview, did you share your screen with the participant for them to view the flashcards?

FLASHSEE Used screen share for flashcards

No..... 0

Yes..... 1

END7. INTERVIEWER: Did you experience any technical difficulties during this interview?

TECHDIFF Technical difficulties

No..... 0

Yes..... 1

Check_END8. If experienced technical difficulties during the interview (END7 EQ 1), go to END8. Else, go to Check_END9.

END8. Specify technical difficulties experienced

SPECTECH Technical difficulties text

{text response; max length = 1000 characters}

Check_END9. If R did not consent to interview (CN1 EQ 0), go to END12. Else, go to END9.

Interviewer Comments

END9. INTERVIEWER: Do you have any comments to add?
 INTCOMM Interviewer Comments
 No..... 0
 Yes..... 1

Check_END10. If interviewer has comments (END9 EQ 1), go to END10.
 Else, go to CALC_END.

END10. Enter interviewer comments
 INTTXT Interviewer comments text

 {text response; max length = 1000 characters}

Check_CALC_END. If R did not consent to interview (CN1 EQ 0), go to END12.
 Else, go to CALC_END.

CALC_END.
 END Interview end time END = Current time

CALC_EDATE.
 EDATE End date EDATE = Today's date

CALC_INTTIME.
 INTTIME Elapsed interview/data entry time INTTIME = Elapsed interview/data entry time

Check_END11. If MSM cycle & R not eligible (CYCLE EQ 1 & EL_MSM EQ 0), go to END12.
 If IDU cycle & R not eligible (CYCLE EQ 2 & EL_IDU EQ 0), go to END12.
 If HET cycle & R not eligible (CYCLE EQ 3 & EL_HET EQ 0), go to END12.
 Else, go to END11.

END11. INTERVIEWER: Do you want to proceed to the local survey?
 LOCSURV Proceed to local survey
 No..... 0
 Yes..... 1

Check_END12. If Interviewer wants to proceed to local survey & English interview (END11 EQ 1 & LANGUAGE EQ 1), open ENGLISH LOCAL FILE.
 If Interviewer wants to proceed to local survey & Spanish interview (END11 EQ 1 & LANGUAGE EQ 2), open SPANISH LOCAL FILE.
 Else, go to END12.

END12. INTERVIEWER: Do you want to end this survey?

ENDSURV	End survey	
	No.....	0
	Yes.....	1

Check_ENDSURVEY. If Interviewer does not want to end survey (END12 EQ 0), go back to END9. Else, end interview.

NHBS ROUND 7 QUESTIONNAIRE

APPENDIX A - FLASHCARDS

FLASHCARD A

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- White

FLASHCARD B

- Speedball, which is heroin and cocaine together
- Heroin, by itself
- Powder cocaine, by itself
- Crack cocaine, by itself
- Methamphetamine, also known as meth, crystal meth, speed, or crank
- Painkillers, such as Oxycontin, Dilaudid, morphine, Percocet, or Demerol
- Something else

FLASHCARD C

- A relative or family member
- A person you have sex with
- A person you use drugs with or buy drugs from
- A friend
- An acquaintance, that is, a person you know but do not consider a friend
- A stranger, you don't know the person or just met them

FLASHCARD D

- A relative or family member
- A person you have sex with
- A friend
- An acquaintance, that is, a person you know but do not consider a friend
- A stranger, you don't know the person or just met them

FLASHCARD E

<u>MONTHLY</u> Income	<u>OR</u>	<u>YEARLY</u> Income
A. \$0 to \$416	or	A. \$0 to \$4,999
B. \$417 to \$833	or	B. \$5,000 to \$9,999
C. \$834 to \$1,041	or	C. \$10,000 to \$12,499
D. \$1,042 to \$1,249	or	D. \$12,500 to \$14,999
E. \$1,250 to \$1,666	or	E. \$15,000 to \$19,999
F. \$1,667 to \$2,083	or	F. \$20,000 to \$24,999
G. \$2,084 to \$2,499	or	G. \$25,000 to \$29,999
H. \$2,500 to \$2,916	or	H. \$30,000 to \$34,999
I. \$2,917 to \$3,333	or	I. \$35,000 to \$39,999
J. \$3,334 to \$4,166	or	J. \$40,000 to \$49,999
K. \$4,167 to \$4,999	or	K. \$50,000 to \$59,999
L. \$5,000 to \$6,249	or	L. \$60,000 to \$74,999
M. \$6,250 to \$8,332	or	M. \$75,000 to \$99,999
N. \$8,333 or more	or	N. \$100,000 or more

FLASHCARD F

- A private health plan - through an employer or purchased directly
- Medicaid - for people with low incomes
- Medicare – for the elderly and people with disabilities
- Some other government plan
- TRICARE / CHAMPUS
- Veterans Administration coverage
- Some other health insurance

FLASHCARD G

- Strongly agree
- Agree
- Neither agree nor disagree
- Disagree
- Strongly disagree

FLASHCARD H

- More than once a day
- Once a day
- More than once a week
- Once a week or less
- Never

FLASHCARD I

Definition of "Having Sex"

Oral, vaginal, or anal sex.

- Oral sex means mouth on the vagina or penis
- Vaginal sex means penis in the vagina
- Anal sex means penis in the anus or butt

FLASHCARD J

Female Sex Partners

Main partner:

A woman you have sex with and who you feel committed to above anyone else. This is a partner you would call your girlfriend, wife, significant other, or life partner.

Casual partner:

A woman you have sex with but do not feel committed to or don't know very well.

FLASHCARD K

Definition of "Having Sex"

Oral or anal sex.

- Oral sex means mouth on the penis
- Anal sex means penis in the anus or butt

FLASHCARD L

Male Sex Partners

Main partner:

A man you have sex with and who you feel committed to above anyone else. This is a partner you would call your boyfriend, husband, significant other, or life partner.

Casual partner:

A man you have sex with but do not feel committed to or don't know very well.

FLASHCARD M

- American Indian or Alaska Native
- Asian
- Black or African American
- Hispanic or Latino
- Native Hawaiian or Other Pacific Islander
- White

FLASHCARD N

Main sex partner:

Someone you feel committed to above anyone else.

Casual sex partner:

Someone you do not feel committed to or don't know very well.

FLASHCARD O

- Definitely did not
- Probably did not
- Probably did
- Definitely did

FLASHCARD Q



1 Regular Beer

12 oz



1 Glass of Wine

5 oz.



1 Shot of Liquor
(Whisky, Vodka, Gin, etc.)

1.5 oz.

FLASHCARD S

- Put it in a medical sharps container
- Threw it away
- Kept it
- Gave it or sold it to someone else
- Took it to a needle or syringe exchange program
- Did something else with it

FLASHCARD T

- Never
- Rarely
- About half the time
- Most of the time
- Always

FLASHCARD W

- Doctor's office, clinic, or health center
- Hospital
- Jail, prison, or detention center
- Drug or alcohol treatment program
- Needle or syringe exchange program
- Other HIV/AIDS-focused organization
- Some other place

FLASHCARD X

- 6 months ago or less
- More than 6 months, but less than 1 year ago
- At least one year but less than 5 years ago
- At least 5 years but less than 10 years ago
- 10 years ago or more

FLASHCARD Y

- All of the time
- Most of the time
- Some of the time
- A little of the time
- None of the time

FLASHCARD Z

- HIV/AIDS-focused organization
- Gay, lesbian, bisexual, transgender, or queer organization
- Needle or syringe exchange program
- IDU outreach program
- Doctor's office, health center, clinic or hospital
- Drug or alcohol treatment center
- Bar, club, bookstore, or other business
- Other community organization
- Some other place

FLASHCARD AA

- Needle or syringe exchange program
- Someone who got them from a needle exchange
- Pharmacy or other store
- Doctor's office, clinic, or hospital
- Some other place

FLASHCARD BB

- Truvada, either brand or generic
- Descovy
- Injectable Cabotegravir
- Dapivirine vaginal ring
- Other

NHBS Round 7 QUESTIONNAIRE

APPENDIX B - MEASURE REFERENCES

NHBS Round 7 CRQ Measure References

The table below describes measures in the CRQ that were adopted or adapted from sources external to the CDC's Division of HIV Prevention. CRQ measures that were adapted from the original source are listed as "Adapted from;" other CRQ measures listed were adopted as described in the reference listed. Measures not listed were developed for NHBS by the Behavioral Surveillance Team and other subject matter experts. All measures below are based on respondent self-report.

Topic	Measure	Variable(s)	Source and citation
Participant Demographic Characteristics			
Gender	Gender	GNDRR7	Adapted from: Bauer GR, Braimoh J, Scheim AI, Dharma C. Transgender-inclusive measures of sex/gender for population surveys: Mixed-methods evaluation and recommendations. <i>PLoS ONE</i> 2017; 12(5): e0178043. https://doi.org/10.1371/journal.pone.0178043
Ethnicity	Ethnicity, 2011 DHHS data standard	HISPANIC; HSPTYPA; HSPTYPB; HSPTYPC; HSPTYPD; HSPTYPE	Office of Minority Health. Data Collection Standards for Race, Ethnicity, Sex, Primary Language, and Disability Status. US Department of Health and Human Services website. https://minorityhealth.hhs.gov/omh/browse.aspx?lvl=2&lvlid=23 . Accessed October 27, 2022.
English proficiency	English proficiency, 2011 DHHS data standard	ENGPFCY	Office of Minority Health. Data Collection Standards for Race, Ethnicity, Sex, Primary Language, and Disability Status. US Department of Health and Human Services website. https://minorityhealth.hhs.gov/omh/browse.aspx?lvl=2&lvlid=23 . Accessed October 27, 2022.
Spanish proficiency	Spanish proficiency	SPNPFCY	Adapted from the 2011 DHHS data standard for English proficiency. Office of Minority Health. Data Collection Standards for Race, Ethnicity, Sex, Primary Language, and Disability Status. US Department of Health and Human Services website. https://minorityhealth.hhs.gov/omh/browse.aspx?lvl=2&lvlid=23 . Accessed October 27, 2022.
Language spoken	Language, 2011 DHHS data standard	SPKOTLN	Office of Minority Health. Data Collection Standards for Race, Ethnicity, Sex, Primary Language, and Disability Status. US Department of Health and Human Services website. https://minorityhealth.hhs.gov/omh/browse.aspx?lvl=2&lvlid=23 . Accessed October 27, 2022.

General Health Care

General health care access	Usual source of care	SRCCAREA; SRCCAREB; SRCLOC	Adapted from: Centers for Disease Control and Prevention (CDC). National Center for Health Statistics (NCHS). National Health and Nutrition Examination Survey Questionnaire. Hyattsville, MD: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, 2007-2008. Available at: https://www.cdc.gov/Nchs/Nhanes/index.htm . Accessed October 27, 2022.
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Topic	Measure	Variable(s)	Source and citation
General health care utilization	Unmet need for health care, 12m	HCAFF	Adapted from: Centers for Disease Control and Prevention (CDC). National Center for Health Statistics (NCHS). National Health Interview Survey Sample Adult Questionnaire. Hyattsville, MD: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, 2008. Available at: https://www.cdc.gov/nchs/nhis/data-questionnaires-documentation.htm . Accessed October 27, 2022.
Sexual Behavior			
Partner ART use	Partner ART use, last sex	LPARTDS; LPONART	Adapted from measure in the Element study baseline instrument. PIs: Patrick Sullivan (pssulli@emory.edu) and Eli Rosenberg (erosenberg2@albany.edu). NIH grant # 1R01DA038196.
Alcohol Use			
Current alcohol use	Had 1+ alcoholic drinks, 30d	ALC30D	Adapted from: Centers for Disease Control and Prevention (CDC). Behavioral Risk Factor Surveillance System Questionnaire. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, [2013]. Available at: https://www.cdc.gov/brfss/questionnaires/index.htm . Accessed October 27, 2022.
Alcohol use intensity	Maximum # drinks, 30d	ALCLG30D	Adapted from: Centers for Disease Control and Prevention (CDC). Behavioral Risk Factor Surveillance System Questionnaire. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, [2013]. Available at: https://www.cdc.gov/brfss/questionnaires/index.htm . Accessed October 27, 2022.
Injection Drug Use			
Disposal of used needles	Disposal of used needles	NDLEDSPA; NDLEDSPB; NDLEDSPC; NDLEDSPD; NDLEDSPPE; NDLEDSPF	Adapted from: Tookes HE, Kral AH, Wenger LD, et al. A comparison of syringe disposal practices among injection drug users in a city with versus a city without needle and syringe programs. <i>Drug Alcohol Depend</i> 2012; 123(1-3):255-9. and Coffin PO, Latka MH, Latkin C, et al., INSPIRE Study Group. Safe syringe disposal is related to safe syringe access among HIV-positive injection drug users. <i>AIDS Behav</i> 2007; 11(5):652-62.
Injection equipment sharing, frequency	Syringe sharing, relative frequency, 12m, distributive	GIVENDLE	Adapted from New York City local NHBS survey items. Contact information for local NHBS surveys available at: http://www.cdc.gov/hiv/statistics/systems/nhbs/contacts.html .
HIV Testing and Care			
Linkage to HIV care	Referred to HIV care within 30 days of first positive HIV test	TLDCARE	Adapted from: Centers for Disease Control and Prevention (CDC). Case-Surveillance-Based-Sampling Questionnaire for the Medical Monitoring Project. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, [2012-2013].

Topic	Measure	Variable(s)	Source and citation
Other Health Conditions			
Disability	Disability status, 2011 DHHS data standard	DISDEAF; DISBLND; DISCOGN; DISWALK; DISCARE; DISERND	Office of Minority Health. Data Collection Standards for Race, Ethnicity, Sex, Primary Language, and Disability Status. US Department of Health and Human Services website. https://minorityhealth.hhs.gov/omh/browse.aspx?lvl=2&lvlid=23 . Accessed October 27, 2022.
STD Diagnosis	Genital herpes diagnosis, ever; Genital warts diagnosis, ever	EVRHERP; EVRGWAR	Adapted from: Centers for Disease Control and Prevention (CDC). National Center for Health Statistics (NCHS). National Health and Nutrition Examination Survey Questionnaire. Hyattsville, MD: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, 20137-2014. Available at: https://www.cdc.gov/Nchs/Nhanes/index.htm . Accessed October 27, 2022.
Psychological distress	Kessler 6 (K-6) scale	FEELNERV; FEELHOPE; FEELREST; FEELSAD; FEELEFRT; FEELDOWN	Kessler RC, Barker, PR., Colpe LJ, et al. Screening for serious mental illness in the general population. <i>Arch Gen Psychiatry</i> 2003; 60: 184-189.
Prevention Activities			
PrEP and PEP	PrEP adherence, Days missed, 30d	PRPDM30	1 of 3 questions in Wilson's medication adherence scale: Wilson IB, Lee Y, Michaud J, Fowler FJ, Rogers WH. Validation of a new three-item self-report measure for medication adherence. <i>AIDS Behav</i> 2016; 20(11):2700-2708.
PrEP and PEP	PrEP use, on-demand, 12m	PRPDMND	Adapted from: Measure in the Element study baseline instrument. PIs: Patrick Sullivan (pssulli@emory.edu) and Eli Rosenberg (erosenberg2@albany.edu). NIH grant # 1R01DA038196 and New York City local NHBS-Trans survey item. Contact information for local NHBS surveys available at: http://www.cdc.gov/hiv/statistics/systems/nhbs/contacts.html .
Other Topics			
Discrimination due to sexual identity	MSM Discrimination	DISC_VER; DISC_SVC; DISC_WRK; DISC_HC; DISC_ATT	Adapted from: Williams D, Yu Y, Jackson JS, Anderson NB. Racial differences in physical and mental health: Socio-economic status, stress and discrimination. <i>J Health Psychol</i> 1997; 2(3): 335-351. and Huebner DM, Rebchook GM, Kegeles SM. Experiences of harassment, discrimination, and physical violence among young gay and bisexual men. <i>Am J Public Health</i> . 2004;94:1200-1203.

Topic	Measure	Variable(s)	Source and citation
Violence	Physically assaulted, 12m; Sexually assaulted, 12m	PHVIO12M; SXVIO12M	Adapted from: Centers for Disease Control and Prevention (CDC). National Intimate Partner and Sexual Violence Survey (NISVS) Questionnaire. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, [2012].

NHBS ROUND 7 QUESTIONNAIRE

APPENDIX C - MONKEYPOX (MP)

Notes_MP. MP items are included in MSM2023 only.

Universe_MP. MSM2023 eligible Rs who consented to interview and completed prior section.

CALC_BEGMP.
BEGMP Time at beginning of MP items BEGMP = Current time

Monkeypox

INTRO_MP. "The next questions are about monkeypox, also known as mpox."

MP1. Has a doctor or other health care provider ever told you that you had monkeypox?
MP_DXEV Monkeypox diagnosis, ever

No.....	0
Yes.....	1
Don't Know.....	9
Refuse to Answer.....	7

MP2. Have you ever had any doses of a vaccine to prevent monkeypox?
MP_VCEV Monkeypox vaccine, ever

No.....	0
Yes.....	1
Don't Know.....	9
Refuse to Answer.....	7

CALC_ENDMP.
ENDMP Time MP items ended ENDMP = Current time

END_MP. Go to End of Survey Section (END).