Behavioral Assessment HET (English)

National HIV Behavioral Surveillance System: Core Questionnaire

HET Cycle OMB Statement

NHBS Round 7 CAPI REFERENCE QUESTIONNAIRE (CRQ)

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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**
Preloaded Variables	--	CYCLE	NHBS Cycle
Eligibility Screener	--	EL_MSM	Eligible: MSM cycle
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle
Consent	CN1	CONSENTA	Consent to survey

Universe_CI.	All Eligible Rs (CYCLE EQ 1 & EL_MSM EQ 1) or (CYCLE EQ 2 & EL_IDU EQ 1) or (CYCLE EQ 3 & EL_HET EQ 1) who consent to interview (CN1 EQ 1).

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" (CI1OMB_F)] 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

INTRO_CORE.	On one screen, DISPLAY: "GET READY TO BEGIN THE SURVEY." On the next screen, DISPLAY: "READ: 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.

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**
Preloaded variables	--	CYCLE	NHBS Cycle
Interviewer Entered Information	IE2	CITY	City
Interviewer Entered Information	IE10	ISEED	Respondent is a seed
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle

UNIVERSE_NS.	IDU or HET cycle eligible Rs (CYCLE EQ 2 & EL_IDU EQ 1) or (CYCLE EQ 3 & EL_HET EQ 1) who consent to interview (CN1 EQ 1).

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: "READ: 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 17), 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_IRELF EQ 1 & NS_IREL>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.

Check_NS1CONF.	If recruiter was a stranger (NS_IRELF EQ 1), go to NS1CONF. If recruiter was not a stranger (NS_IRELF NE 1), go to INTRO_NS2a.1.

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: "READ: 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 17), fill with "Hampton Roads", else, fill with project area (city name from IE2)] who inject and whom you have seen in the past 30 days. I will not ask you questions about any specific person."

NS2a.1.	**Please tell me how many men in** [if the project area is Norfolk (IE2 EQ 17), 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...99.99........

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

NS2b.1.	**How many <u>women</u> in** [if the project area is Norfolk (IE2 EQ 17), 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 17), 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_ENDNS. If R does know other injectors (NS2CONFa EQ 0), DISPLAY: "**INTERVIEWER**: Please re-enter the correct network size." Then, go to NS2a.2.

NS2CONFb.

Is there anyone else you know in [if the project area is Norfolk (IE2 EQ 17), 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_ENDNS. 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 17), 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_ICHCK   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_ENDNS.

PWID Network Size: Second Loop

NS2a.2.   **Please tell me how many <u>men</u> in** [if the project area is Norfolk (IE2 EQ 17), 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........

NS2b.2.   **How many <u>women</u> in** [if the project area is Norfolk (IE2 EQ 17), 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_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.

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

CALC_NSC_IDUF2.

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

CALC_NSC_IDUS2.

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

NS2c.2.   **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 17), 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_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: "READ: 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 17), 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: "READ: 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 17), 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 17), 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 17), 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.

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

CALC_NSC_HETF.

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

CALC_NSC_HETS.

NSC_HETS	# HETs known: calculated net 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.

NS4CONFa.   **You said you haven't seen anyone in the past 30 days in** [if the project area is Norfolk (IE2 EQ 17), 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?"]

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.

NS4CONFb.

Is there anyone else you know in [if the project area is Norfolk (IE2 EQ 17), 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?"]

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_ENDNS. |
| | If R does know others (NS4CONFb EQ 1), DISPLAY: "**INTERVIEWER**: Please re-enter the correct network size." Then, go to NS4a.2. |

NS4CONFc.

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 17), 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?**

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_ENDNS. |

HET Network Size: Second Loop

NS4a.2.

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 17), 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."]

NS_HETM2   # males known: net size, 2nd loop

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

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

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

NS4b.2.   **How many <u>female</u> 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 17), 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."]

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

NS4c.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 17), 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?**

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__
Preloaded variables	--	CYCLE	NHBS Cycle
Preloaded variables	--	IDATE	Interview date
Interviewer Entered Information	IE2	CITY	City
Eligibility Screener	ES1	DOB	Date of birth
Eligibility Screener		EL_MSM	Eligible: MSM cycle
Eligibility Screener		EL_IDU	Eligible: IDU cycle
Eligibility Screener		EL_HET	Eligible: HET cycle
Consent	CN1	CONSENTA	Consent to survey

__Universe_DM.__	All Eligible Rs (CYCLE EQ 1 & EL_MSM EQ 1) or (CYCLE EQ 2 & EL_IDU EQ 1) or (CYCLE EQ 3 & EL_HET EQ 1) who consent to interview (CN1 EQ 1).

__CALC_BEGDM.__		
__BEGDM__	Time at beginning of DM section	BEGDM = Current time

__Residence__

__INTRO_DM1.__	If MSM cycle (CYCLE EQ 1), DISPLAY: "READ: 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: "READ: 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...999999..................

Refuse to Answer...777777..................

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 <u>country</u> 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 23 & DM3 EQ 2, 4, or 5) or R interviewed in any other city & born in Mexico, Puerto Rico, Cuba, or 'other' country (IE2 NE 23 & 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 <u>best</u> 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: "READ: 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: "READ: 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

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...............

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.

INTRO_DM9a	DISPLAY: "The next questions are about your overall health."

DM9a.
DISDEAF

Are you deaf or do you have serious difficulty hearing?
Disability - Hearing
No...0...............
Yes..1...............
Don't Know...9...............
Refuse to Answer...7...............

DM9b.
DISBLND

Are you blind or do you have serious difficulty seeing, even when wearing glasses?
Disability - Vision
No...0...............
Yes..1...............
Don't Know...9...............
Refuse to Answer...7...............

DM9c.
DISCOGN

Because of a physical, mental, or emotional condition, do you have serious difficulty concentrating, remembering, or making decisions?
Disability - Cognition
No...0...............
Yes..1...............
Don't Know...9...............
Refuse to Answer...7...............

DM9d.
DISWALK

Do you have serious difficulty walking or climbing stairs?
Disability - Ambulation
No...0...............
Yes..1...............
Don't Know...9...............
Refuse to Answer...7...............

DM9e.
DISCARE

Do you have difficulty dressing or bathing?
Disability - Self-care
No...0...............
Yes..1...............
Don't Know...9...............
Refuse to Answer...7...............

DM9f.
DISERND

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

                 Time demographics section
ENDDM   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**
Preloaded variables	--	CYCLE	NHBS Cycle
Interviewer Entered Information	IE2	CITY	City
Eligibility Screener	--	EL_MSM	Eligible:MSM cycle
Consent	CN1	CONSENTA	Consent to survey

Universe_SO.	All Rs in MSM cycle (CYCLE EQ 1) who are eligible for & consent to interview (EL_MSM EQ 1 & CONSENTA EQ 1).

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: "READ: 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 <u>not</u> 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..............

Check_SO2c.	If R ever had sex with a woman (ES9a EQ 1), go to SO2c.
	Else, go to SO2d.

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: "READ: The next questions are about things that may have happened to you 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…"

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.] READ: 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 17), 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			
Section	**Question #**	**Variable name**	**Variable label**
Preloaded variables	--	CYCLE	NHBS Cycle
Preloaded variables	--	AGO12M_C	12 mos before interview: Century Month
Preloaded variables	--	AGO3M_C	3 mos before interview: Century Month
Preloaded variables	--	IDATEY	Interview date: Year
Preloaded variables	--	IDATE	Interview date
Eligibility Screener	ES8a	BIRTHSEX	Respondent's sex
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	QDS calculated age today
Consent	CN1	CONSENTA	Consent to survey
Eligibility Screener	--	EL_MSM	Eligible: MSM cycle
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle

Universe_SX.	MSM cycle: Male Rs.
	PWID & HET cycles: Male & female Rs.

CALC_BEGSX.		
BEGSX	Time at beginning of SX section	BEGSX = Current time

Check_INFO_SX.	If R is male or female (BIRTHSEX EQ 1 or BIRTHSEX EQ 2), 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 <u>after you have read item as worded</u>, you may use slang."

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

Check_M_FSeries.	If PWID or HET cycle & R is male ((CYCLE EQ 2 or 3) & (BIRTHSEX EQ 1)) or MSM cycle & R is male & ever had

	male-female sex ((CYCLE EQ 1) & (BIRTHSEX EQ 1) & ES9a EQ 1), go to INTRO_M_FSeries).
	If MSM cycle (CYCLE EQ 1) & R is male (BIRTHSEX EQ 1), & did not report male-female sex ever (ES9a NE 1), go to CALC_M_FHET.
	If R is female (BIRTHSEX EQ 2), go to F_MSeries.
	Else, go END_SX.

Universe_M_FSeries.	All male Rs in IDU and HET cycles ((BIRTHSEX EQ 1) & (CYCLE EQ 2 or 3)) and male Rs in MSM cycle who reported male-female sex ever (CYCLE EQ 1 & BIRTHSEX EQ 1 & ES9a EQ 1).

M_F Series: Male Rs – Female Sex Partners

INTRO_M_FSeries.	[Give Respondent Flashcard I.]
	On next screen, DISPLAY: "READ: 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 <u>vaginal</u> or <u>anal</u> 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. M_FSX12	**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 <u>oral</u>, <u>vaginal</u>, or <u>anal</u> sex?** 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. C_M_F	**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?** 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: "READ: 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: "READ: 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: "READ: 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: "READ: 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. M_FMSX	**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_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: "READ: 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: "READ: 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. M_FMVS	**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_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. M_FM1UVS	**In the past 12 months, did you have vaginal sex with her without using a condom?** 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_FMUVS	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_FMAS

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: "READ: 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

Check_INTRO_SX7a.m.	Go to Check_SX7b.o.

VS - Multiple Casual Partners

INTRO_SX7a.m.	DISPLAY: "READ: 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..0-70.00

Don't Know...99.99

Refuse to Answer...7.777

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 <u>you give</u> 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 <u>you give</u> 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	M_F HET sex (Y/N)	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))))

Check_M_MSeries	If HET cycle & R reported 0 opposite-sex partners (CYCLE EQ 3 & M_FHET EQ NE 1), go to CALC_ENDCORE. Else, go to M_MSeries.

Universe_M_MSeries.	All male Rs (BIRTHSEX EQ 1).

M_MSeries: Male Rs – Male Sex Partners

INTRO_SX9.	On one screen, DISPLAY: "READ: 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: "READ: 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 <u>oral</u> or <u>anal</u> sex?**

M_MSX12   M_M Number of male partners - 12 months

— — — —

Range...0-7000

Don't Know..9999

Refuse to Answer..7777

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.

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..9.99

Refuse to Answer..7.77

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.

Check_INTRO_SX12.	If R reports more than 1 male sex partner (SX11 GT 1), go to INTRO_SX13a.
	Else, go to INTRO_SX12.

M_M: Total Main & Casual Ps, 12m

One Partner (.o)

INTRO_SX12.	On one screen, DISPLAY: "READ: 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: "READ: 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."

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: "READ: 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: "READ: 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...99.99 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: "READ: 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: "READ: 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."

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.

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.

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

Check_SX14b.m.	Go to Check_INTRO_SX15a.o.

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: "READ: 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: "READ: 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 <u>you give</u> 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 <u>give you</u> 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 <u>you give</u> 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 <u>gave you</u> 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 (ES8a EQ 2).

F_MSeries: Female Rs – Male Sex Partners

INTRO_F_MSeries.	[Give Respondent Flashcard I.]" On next screen, DISPLAY: "**READ:** 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 <u>vaginal</u> or <u>anal</u> 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.

<u>F_M: Total Ps, 12m</u>

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 <u>oral</u>, <u>vaginal</u>, or <u>anal</u> 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: "READ: 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: "READ: 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: "READ: 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: "READ: 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: "READ: 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: "READ: 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: "READ: 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: "READ: 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 <u>give you</u> 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 <u>gave you</u> 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 = IF ((F_MSX12=.DK or F_MSX12=.REF), 9, IF ((F_MSX12=0), 0,
F_MHET	F_M HET sex (Y/N)	IF((F_MSX12=1),1, if ((F_MSX12>1),1,0))))

Check_CALC_BEGLP.	If HET cycle & R reported 0 opposite-sex partners (CYCLE EQ 3 & F_MHET NE 1), go to CALC_ENDCORE.
	Else, go to CALC_BEGLP.

LastPartnerSeries

CALC_BEGLP.

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

CALC_ASANY12M.

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

CALC_EXANY12M.

		If R reported exchange sex in p12m, (M_FO1EG or M_FOMEG, or M_MO1EG or
	Any exchange sex, 12m,	M_MOMEG or M_MO1ER or M_MOMER or F_MC1ER or F_MCMER GE 1 & NE DK, REF,
EXANY12M	for LP logic	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 (ES8a EQ 1 & (M_FHET
	EQ 1 or M_MSX12 GE 1)) or (ES8a EQ 2 & F_MHET EQ 1).

INTRO_LPSeries.	DISPLAY: "READ: 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: "READ: 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.

LPSeries: LP Sex

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: Sex

Male.. 1

Female... 2

Don't Know.. 9

Refuse to Answer... 7

Not Applicable.. 8

LPSeries: LP Type

Check_SX32.	If R is male (ES8a EQ1) and LP sex 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 (ES8a 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

LPSeries: Last Sex Event

LP: Last Sex – Exchange Sex

Check_SX33a.	If LP is male or R is female (SX31 EQ 1 or ES8a 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 <u>give you</u> 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 (ES8a 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 <u>you give</u>** [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: "READ: 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 sex 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, fill with "you", if R is female, 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: "READ: 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?**

LP: HIV+ partner VL status

Undetectable..1

Detectable..2

Didn't know...3

Refuse to Answer...7

LPSeries: 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.

LP: Partner risk

INTRO_SX40a.	DISPLAY: "READ: Now I'm going to ask you some questions about experiences your partner may have had. " [Give Respondent Flashcard O.]

SX40a.   **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"]**:**

[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

                                                                                                          2
Probably did...
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 <u>past 12 months</u> 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

SX42b.   **During the <u>past 12 months</u> when you were having a sexual relationship with this partner, did you have sex with other people?**

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 female (ES8a 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

CALC_ENDSX.		
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			
<u>Section</u>	<u>Question #</u>	<u>Variable name</u>	<u>Variable label</u>
Preloaded variables	--	CYCLE	NHBS Cycle
Eligibility Screener	--	EL_MSM	Eligible: MSM cycle
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle
Consent	CN1	CONSENTA	Consent to survey
Sexual Behavior	--	ENDSX	Time sexual behavior section ended

UNIVERSE_AL.	All Eligible Rs (CYCLE EQ 1 & EL_MSM EQ 1) or (CYCLE EQ 2 & EL_IDU EQ 1) or (CYCLE EQ 3 & EL_HET EQ 1) who consent to interview (CN1 EQ 1) and completed prior section (ENDSX is not missing).

CALC_BEGAL.		
BEGAL	Time at beginning of alcohol use section	BEGAL = Current time

Notes_Alcohol.   See Measure References.

INTRO_AL1.	DISPLAY: "READ: 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 <u>30 days</u>, 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 <u>largest number of drinks</u> 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**
Preloaded variables	--	CYCLE	NHBS Cycle
Preloaded Variables	--	AGO12M_C	12 mos before interview: Century Month
Eligibility Screener	CALC_AGE	AGE	QDS calculated age today
Eligibility Screener	--	EL_MSM	Eligible: MSM cycle
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle
Consent	CN1	CONSENTA	Consent to survey
Alcohol Use	--	ENDAL	Time alcohol use section ended

UNIVERSE_ID.	All Eligible Rs (CYCLE EQ 1 & EL_MSM EQ 1) or (CYCLE EQ 2 & EL_IDU EQ 1) or (CYCLE EQ 3 & EL_HET EQ 1) who consent to interview (CN1 EQ 1) and completed prior section (ENDAL is not missing).

CALC_BEGID.		
BEGID	Time at beginning of ID section	BEGID = Current time

INTRO_Check_ID1.	DISPLAY: "READ: 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.**
EVRINJ	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_ID2. |
| | Else, go to ID1b.num. |

ID1b.num.	**Now, think about the <u>last</u> time you injected any drug. When was that - how many days or months or years ago did you last inject?**
	[**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_ID2.
	Else, go to ID1b.dmy.

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

ID1b.dmy.

LINJ_U   When last injected: day, month or year

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

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

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

Check_INTRO_ID2.	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_ID2. Else, go to Check_CALC_LINJ12.

UNIVERSE_InjectionFrequency.	All Rs who 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)).

Injection Frequency, 12m

INTRO_ID2.	DISPLAY: "READ: 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 (ID2 EQ 1), go to ID2a. 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.	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 <u>injected</u> it in the past <u>12 months</u>."

                  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

ID3e.   **How often did you inject methamphetamine, which includes meth, crystal meth, speed, or crank?**

[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

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

ID3h.1.   **Did you inject any other drugs in the past <u>12 months</u>?**

INJ_OTH   Other drug injected, 12m, y/n – IDU

No... 0

Yes.. 1

Don't Know.. 9

Refuse to Answer.. 7

Check_ID3h.2 .	If R injected another drug in the past 12 months (ID3g.1 EQ 1), go to ID3gspec. Else, go to INTRO_ID5a.

ID3h.2.   **What other drugs did you inject?**

INJ_OTHS   INJ Other drug specify, 12m—IDU

— —

{text response; max length = 100 characters}

Don't Know   9

Refuse to Answer   7

Check_ID4A	
.	Go to INTRO_ID5a.

In the past 12 months, which drug did you inject most often?

[Give Respondent Flashcard B.]

ID4a.   [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

	DISPLAY: "READ: Next, I'm going to ask you about the needles you used in the past 12 months, 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."
INTRO_ID5a.	

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 <u>new, sterile</u> needle? By a new, sterile needle, I mean a needle <u>never</u> used before <u>by anyone, even you</u>.

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: "READ: 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 <u>different people</u> 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 <u>different people</u> 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 <u>different people</u> 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.........

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

ID12.

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, <u>how often</u> 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.

In the past 12 months, <u>how often</u> did you give your needle to someone else to use after you had already injected with it?

ID14.

[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, <u>how often</u> 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

HardEdit_ID15.	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. Else, go to Check_ID16.

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. Else, go to ID16.

In the past 12 months, <u>how often</u> 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

HardEdit_ID16.	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.

	Else, go to Check_CALC_LINJ12.

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.

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).

<div align="center">

NHBS ROUND 7 QUESTIONNAIRE

NON-INJECTION DRUG USE (ND)

</div>

Variables from prior section(s) used in this section of the questionnaire			
Section	**Question #**	**Variable name**	**Variable label**
Preloaded variable	--	CYCLE	NHBS Cycle
Eligibility Screener	--	EL_MSM	Eligible: MSM cycle
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle
Consent	CN1	CONSENTA	Consent to survey
Injection Drug Use	--	ENDID	Time injection drug use section ended

UNIVERSE_ND.	All Eligible Rs (CYCLE EQ 1 & EL_MSM EQ 1) or (CYCLE EQ 2 & EL_IDU EQ 1) or (CYCLE EQ 3 & EL_HET EQ 1) who consent to interview (CN1 EQ 1) and completed prior section (ENDID is not missing).

CALC_BEGND.		
BEGND	Time at beginning of ND section	BEGND = Current time

INTRO_ND0.	DISPLAY: "READ: 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]**, 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_ND2A. Else, go to CALC_ENDND.

INTRO_ND2A.	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

END_ND.   Go to Drug Treatment Section (TX).

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	--	EL_MSM	Eligible: MSM cycle
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle
Consent	CN1	CONSENTA	Consent to survey
Non-Injection Drug Use	--	ENDND	Time non-injection drug use section ended
Injection Drug Use	--	ENDID	Time injection drug use section ended
Sexual Behavior	--	ENDSX	Time sexual behavior section ended
Alcohol Use	--	ENDAL	Time alcohol use section ended

UNIVERSE_TX.	All Eligible Rs (CYCLE EQ 1 & EL_MSM EQ 1) or (CYCLE EQ 2 & EL_IDU EQ 1) or (CYCLE EQ 3 & EL_HET EQ 1) who consent to interview (CN1 EQ 1) and completed prior section (ENDND is not missing).

CALC_BEGTX.		
BEGTX	Time at beginning of TX section	BEGTX = Current time

Drug Treatment

INTRO_TX1.	DISPLAY: "READ: 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: "READ: 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: "READ: 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**
Preloaded Variable	--	IDATE	Interview date
Preloaded Variable	--	IDATEY	Interview date: Year
Preloaded Variable	--	IDATE_C	Interview date: Century Month
Preloaded Variable	--	AGO6M_C	6 mos before interview: Century Month
Preloaded Variable	--	AGO12M_C	12 mos before interviewe: Century Month
Preloaded Variable	--	AGO2Y_C	2 yrs before interview: Century Month
Eligibility Screener	ES1	DOB	Date of birth
Interviewer Entered Information	IE2	CITY	City
Consent	CN1	CONSENTA	Consent to survey
Eligibility Screener	--	EL_MSM	Eligible: MSM cycle
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle
Drug Treatment	---	ENDTX	Time drug treatment section ended

Universe_HT.	All Eligible Rs (CYCLE EQ 1 & EL_MSM EQ 1) or (CYCLE EQ 2 & EL_IDU EQ 1) or (CYCLE EQ 3 & EL_HET EQ 1) who consent to interview (CN1 EQ 1) and completed prior section (ENDTX is not missing).

CALC_BEGHT.		
BEGHT	Time at beginning of HIV testing section	BEGHT = Current time

HIV Test, Ever

INTRO_HT1.	DISPLAY: "READ: 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

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 (HT1 EQ 1) & (HT2 EQ 0, DK, or REF).

Non-Self-reported Positive (NSRP) Series

HIV Testing, Recent

HT4.	**When did you have your <u>most recent</u> 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.

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.
	Else, go to HT4a.

HT4conf.	**Was your most recent HIV test in the past <u>12 months</u>, 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

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?**

HT4a.
LOCHIV

[DO NOT READ choices.]
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.
GOTRCNT

Did you get the result of your most recent HIV test?
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.
RCNTRST

[READ choices.]
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 (HT1 EQ 0) or (HT4 GT 12 months) or (HT4conf EQ 0)

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 <u>most important reason</u> you have not been tested for HIV in the past <u>12 months</u>?

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 <u>most important reason</u> 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 (HT2 EQ 1) or (HT4c EQ 2).

Self-Reported HIV-positive (SRP) Series

HIV Test, First Positive

HT7.   **When did you <u>first</u> 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 HT7a. 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.

HT7d. TLDCARE	**Within 30 days after you got your first positive HIV test, did someone let you know where you could go for outpatient care?** Told where to get HIV care	
	No...	0
	Yes..	1
	Don't Know...	9
	Refuse to Answer...	7

HIV Linkage to Care

Universe_LinkagetoCare.	All HIV-positive Rs (HT2 EQ 1 or HT4c EQ 2).

Notes_LinkagetoCare.	See [Measure References]().

HT8a. POSMD	**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?** 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. FRSMD	**When did you first go to your health care provider after learning you had HIV? Please tell me the month and year.** 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_FRSMD_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_FRSMD_C.

CALC_FRSMD_C.		
FRSMD_C	Century month version of FIRST MD date	FRSMD_C = (FRSMDY-1900)*12) + FRSMDM

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 <u>30 days</u> after learning you had HIV?**
C_FRSMD   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 <u>last</u> 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.		
LASTMD_C	Century month version of 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 (HT8d 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 FRSMD_C)) or (FRSMDY 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.
C_LASTMD

Was your last visit for HIV care in the past 6 months?
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 (HT8a EQ 1).

HT9.
CURRAMED

Are you currently taking antiretroviral medicines to treat your HIV infection?
Currently taking antiretrovirals

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

HIV Viral Load

HT10a.
VLTST12MR7

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?
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: "READ: 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 <u>un</u>detectable..

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**
Preloaded Variables	--	AGE	QDS calculated age today
Preloaded variables	--	CYCLE	NHBS Cycle
Consent	CN1	CONSENTA	Consent to survey
Eligibility Screener	--	EL_MSM	Eligible: MSM cycle
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle
HIV Testing	--	ENDHT	Time HIV testing section ended

Universe_HC.	All eligible Rs (CYCLE EQ 1 & EL_MSM EQ 1) or (CYCLE EQ 2 & EL_IDU EQ 2) or (CYCLE EQ 3 & EL_HET EQ 3) who consent to interview (CN1 EQ 1) and completed prior section (ENDHT is not missing).

CALC_BEGHC.		
BEGHC	Time at beginning of HC section	BEGHC = Current time

INTRO_HealthConditions.	DISPLAY: "READ: Next, I'd like to ask you some questions about your health."

Hepatitis C (HCV)

INTRO_HC1.	DISPLAY: "READ: 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.   [READ choices.]
HCVTLOC   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.   **INTERVIEWER: Type in other location where respondent got the last hepatitis C test.**
SPECHCVT   Other location where R got hepatitis C test

— —
{text response; max length = 100 characters}
Refuse to Answer..   7

HC3.   **Has a doctor, nurse, or other health care provider ever told you that you had hepatitis C?**
HEPCEVER   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.   [READ choices.]
WHENTHC   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. **Have you ever taken medicine to treat your hepatitis C infection?**
HCVMEDS   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: "READ: 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: "READ: 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: "READ: In the past <u>12 months</u>, has a doctor or other health care provider told you that you had... [READ choices. CHECK YES or NO for each one.]**"**

HC8a.
GONORR
Gonorrhea?
Gonorrhea past 12 months
No... 0
Yes.. 1
Don't Know... 9
Refuse to Answer.. 7

HC8b.
CHLAMYD
Chlamydia?
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.
HPVVAC
Have you ever received a vaccine against HPV, for example, GARDASIL, which prevents genital warts, anal cancer, and cervical cancer?
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.
AGEVAC
How old were you when you received your <u>first</u> dose of the HPV vaccine?
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.

Psychological Distress – Kessler-6 (K6) scale

Notes_K6Scale.	See Measure References.

INTRO_HC10a.	DISPLAY: [Give Respondent Flashcard Y.] "READ: These next questions ask how you have been feeling during the past <u>30 days</u>. 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.]
FEELEFRT   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**
Preloaded Variables	--	CYCLE	NHBS Cycle
Injection Drug Use	--	LINJ12	injected in last 12 months
Injection Drug Use	ID8	STERILE	INJ Frequency used sterile needle- 12 months
Injection Drug Use	--	ENDID	Time injection drug section ended
Consent	CN1	CONSENTA	Consent to survey
Eligibility Screener	--	EL_MSM	Eligible: MSM cycle
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle
Eligibility Screener	--	E_INJ12	injected in last 12 months
Health Conditions	--	ENDHC	Time health conditions section ended
HIV Testing	HT2	EVERPOS	Ever test positive for HIV
HIV Testing	HT4c	RCNTRST	Result most recent HIV test

Universe_PA.	All Eligible Rs (CYCLE EQ 1 & EL_MSM EQ 1) OR (CYCLE EQ 2 & EL IDU EQ 1) OR (CYCLE EQ 3 & EL_HET EQ 1) who consent to interview (CN1 EQ 1) and completed prior section (ENDHC is not missing).

CALC_BEGPA.		
BEGPA	Time at beginning of PA section	BEGPA = Current time

HIV Prevention Resources

INTRO_PA1a.	DISPLAY: "READ: 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_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 <u>new sterile</u> needles in the past 12 months? You may choose more than one option.

PA2b.   [READ CHOICES. CHECK ALL that apply.]
SNDLSRCR7   Sources of new sterile needles, 12m
SNDLSRCR7A   Needle or syringe exchange program
SNDLSRCR7B   Someone who got them from a needle exchange
SNDLSRCR7C   Pharmacy or other store
SNDLSRCR7D   Doctor's office, clinic, or hospital
SNDLSRCR7E   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

<u>HIV Behavioral Interventions</u>

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

Check_INTRO_PA5.	If R did not report ever testing HIV-positive (HT4c NE 2 and HT2 NE 1), go to INTRO_PA5. Else, go to CALC_ENDPA.

<u>PrEP/PEP</u>

Universe_PrEP.	All Rs.

Check_INTRO_PA5.	If R did not self-report HIV-positive, go to INTRO_PA5.
	If R reported HIV-positive (HT2 EQ 1 or HT4 EQ 2), go to PA6a.

INTRO_PA5.	DISPLAY: "READ: The next questions are about the use of anti-HIV medicines, also called antiretrovirals. There are two ways that people who are HIV-<u>negative</u> 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 <u>for 28 days after a single high-risk exposure</u> 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-<u>negative</u> 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 PAxx (Check b4 Ever used PrEP).
	Else, go to Check_PA8a.

PA6b.	In the past <u>12 months</u>, 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 <u>12 months</u>, 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_PA7a (Ever used PrEP).

Else, go to Check_PA8a.

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 <u>last</u> time you used <u>PrEP</u>? 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 (PA6h GE 1), go to PA6i. 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 = if (PRPLDN=DK or PRPLDU=REF), ., if((PRPLDN=0), 1, if((PRPLDU=0 & PRPLDN<=31), 1, if((PRPLDU=1 & PRPLDN<=5), 1, if((PRPLDU=2 & PRPLDN<= 1), 1,

	0)))))

Check_PAf.	If R last took PrEP in past 30d, go to PA6X. Else, go to [PrEP use, Last sex].

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...............

Descovy ....20...............

Injectable Cabotegrovir...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), go to INTRO_PA6j. Else, go to CALC_ENDPA.

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 (PA6a EQ 1) & who ((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))).

Check_INTRO_PA7a.	If R is Rs 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, 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 CALC_PRP30D.

PA7b.1. **Think about <u>first</u> 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 (PA#x GE 1), go to PA6i. Else, go to Check_PA8b.

PA7b.2.   [**INTERVIEWER:** Was this months or years?]

PRPLDU   Time since first PrEP, unit

                Months...0...............

                Years..1...............

HardEdit_PA7b.2.	If first took PrEP before 2010, display: INTERVIIEWER: 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 [PRPEVRR7].

PrEP use, Last sex

Check_PA8a.	If R did not SRP (HT2 NE 1 & HT4c NE 2) & used PrEP, 12m (PA6c EQ 1), go to PA8a (R's PrEP use at last sex). 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), go to PRPPLSX (LP's PrEP use at last sex). Else, go to CALC_ENDPA.

INTRO_PA8b.	E**arlier, you said that the last time you had sex** [if R is female (ES8a EQ 2), fill with "**a man,**" else fill with "**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**
Consent	CN1	CONSENTA	Consent to survey
Eligibility Screener	--	EL_MSM	Eligible: MSM cycle
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle
Prevention Activities	--	ENDPA	Time prevention activities section ended

Universe_JS.	All eligible Rs (CYCLE EQ 1 & EL_MSM EQ 1) or (CYCLE EQ 2 & EL_IDU EQ 1) or (CYCLE EQ 3 & EL_HET EQ 1) who consent to interview (CN1 EQ 1) and completed prior section (ENDPA is not missing).

CALC_BEGJS.			
BEGJS	Time at beginning of JS section	BEGJS = Current time	

INTRO_JS1.	DISPLAY: "READ: Now I will ask you about experiences you may have had with the criminal justice system."

JS1.
EVHELD
Have you ever been held in a detention center, jail, or prison for more than 24 hours?
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.
HELD12M
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?**
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).

NHBS ROUND 7 QUESTIONNAIRE

VIOLENCE (VE)

Variables from prior section(s) used in this section of the questionnaire			
Section	**Question #**	**Variable name**	**Variable label**
Consent	CN1	CONSENTA	Consent to survey
Eligibility Screener	--	EL_MSM	Eligible: MSM cycle
Eligibility Screener	--	EL_IDU	Eligible: IDU cycle
Eligibility Screener	--	EL_HET	Eligible: HET cycle
Justice System Experiences	--	ENDJS	Time justice system experiences ended

Universe_VE.	All eligible Rs (CYCLE EQ 1 & EL_MSM EQ 1) or (CYCLE EQ 2 & EL_IDU EQ 1) or (CYCLE EQ 3 & EL_HET EQ 1) who consent to interview (CN1 EQ 1) and completed prior section (ENDJS is not missing).

CALC_BEGVE.		
BEGVE	Time at beginning of VE section	BEGVE = Current time

Notes_Violence.	See Measure References.

Violence, Physical

INTRO_VE1.	DISPLAY: "READ: Next, I would like to ask you about some difficult situations that may have happened to you."

VE1. PHVIO12M	**In the past <u>12 months</u>, 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?** Physical violence, 12 mo	
	No..	0
	Yes...	1
	Don't Know...	9
	Refuse to Answer...	7

Violence, Sexual

VE2. SXVIO12M	**In the past 12 months, has anyone forced or pressured you to have vaginal, oral, or anal sex when you did not want to?** 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

END_VE.   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
Preloaded Variables	--	CYCLE	NHBS Cycle
Preloaded Variables	--	LANGUAGE	Language
Eligibility Screener	ES7a	HRA	Lives in a HRA
Eligibility Screener	ES8a	BIRTHSEX	Respondent's sex
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 (VE2 EQ DK or REF), go to END1. Else, go to CALC_ENDCORE.

END1.
C_CMPLT

INTERVIEWER: Please confirm. Did the person complete the survey?
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.
C_T_CNST

[DO NOT read choices.]
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 MSM cycle (CYCLE EQ 1), and R recruited via RDS (IE3b EQ 1), go to CALC_MSM_RCTRR6. 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

MSM Recruiter

CALC_MSM_RCTRR6.		
MSM_RCTRR6	Eligible: MSM RDS Recruiter	If R is NOT a seed: (ISEED EQ 0): If data are valid (VALIDITY EQ 1 or 2) & complete (COMPLETE EQ 1), R selected to receive coupons (MSM_RCTRR6=1). Else, R is NOT to receive coupons (MSM_RCTRR6

EQ=0). If R IS a seed: (ISEED EQ 1): If R had sex with a man in the past 12 months (M_MSX12 GE 1) and data are valid (VALIDITY EQ 1 or 2) & complete (COMPLETE EQ 1), R selected to receive coupons (MSM_RCTRR6=1). Else, R is NOT to receive coupons (MSM_RCTRR6 EQ=0).

CALC_MSM_RCTR_DCC.		
MSM_RCTR_DCC	MSM Recruiter for DCC Portal	MSM_RCTR_DCC = MSM_RCTRR6

Check_CALC_IDU_RCTR.	Go to INFO_RCTR.

IDU Recruiter

CALC_IDU_RCTRR6.		
IDU_RCTRR6	Eligible: IDU RDS Recruiter	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).

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_HHSGL18		
HHSGL18	DHHS Poverty Guidelines, 2018	If HET5 (2019): If DEPENDR6= SK , HHSGL18= .; If DEPENDR6= (DK, REF, or 1) , HHSGL18= 12140 ; If DEPENDR6=2 , HHSGL18= 16460 ; If DEPENDR6=3 , HHSGL18= 20780 ; If DEPENDR6=4 , HHSGL18= 25100 ; If DEPENDR6=5 , HHSGL18= 29420 ; If DEPENDR6=6 , HHSGL18= 33740 ; If DEPENDR6=7 , HHSGL18= 38060 ; If DEPENDR6=8 , HHSGL18= 42380 ; If DEPENDR6=9 , HHSGL18= 46700 ; If DEPENDR6=10 , HHSGL18= 51020 ; If DEPENDR6=11 , HHSGL18= 55340 ; If DEPENDR6=12 , HHSGL18= 59660 ; If DEPENDR6=13 , HHSGL18= 63980 ; If DEPENDR6=14 , HHSGL18= 68300 ; 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 ;
Notes:		Variable name, label, calculation, and reference are updated when new DHHS poverty guidelines applicable to the next HET cycle are released.
Reference:		US Department of Health and Human Services. Annual Update of the HHS Poverty Guidelines. Federal Register; 2018. Available at: https://www.govinfo.gov/content/pkg/FR-2018-01-18/pdf/2018-00814.pdf. Accessed September 12, 2018.

CALC_HHS150I8		
HHS15018	150% HHS Guideline for # dependents, 2018	If HET5 (2019), HHS15018= HHSGL18*1.50 ; Else, HHS15018 = . ;
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	If HET5 (2019): If Memphis or San Juan (CITY= 12 or 23), LIMLT18= 1.0. If Atlanta, Chicago, Dallas, Detroit, Houston, New Orleans, Norfolk, or Portland (CITY= 1, 4, 5, 7, 9, 15, 17, or 19), LIMLT18= 1.1. If Baltimore, Denver, Miami, Philadelphia, or Seattle (CITY= 2, 6, 11, 18, or 24), LIMLT18= 1.2. If Boston, Nassau, Newark, or New York City (CITY= 3, 13, 14, or 16), LIMLT18= 1.3.

Notes:		If Los Angeles, San Diego, or Washington DC (CITY=10, 21, or 25), LIMLT18= 1.4.
		If San Francisco (CITY=22) LIMLT18= 1.5.
		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.
		Variable name, label, calculation, and references are updated when new Census poverty thresholds applicable to the next HET cycle are released.
References:		US Census Bureau table of Poverty Thresholds for 2017 by Size of Family and Number of Children. Available at: https://www.census.gov/data/tables/time-series/demo/income-poverty/historical-poverty-thresholds.html. Accessed September 12, 2018.
		US Census Bureau table of Supplemental Poverty Thresholds by Metro Area for 2017. Available at: https://www.census.gov/content/census/en/library/publications/2018/demo/p60-265.html. Accessed September 12, 2018.

CALC_LITH18		
LITH18	Low income threshold, 2018	If HET5 (2019), LITH18= HHS15018*LIMLT18 ; Else, LITH18 = . ;

CALC_LOWINC18		

LOWINC18	Low income status, 2018	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 = . ;
		 If data collection year NE 2019, LOWINC18 = . ;

CALC_LOWINC_DCC		
LOWINC_DCC	Low income status	LOWINC_DCC = LOWINC18

CALC_HETDEFR5.		
		If R has a low income (LOWINC18=1) & is male or female (BIRTHSEX=1 or BIRTHSEX=2) & did not inject in past 12m (LINJ12=0 OR EVRINJ=0) & did not have male-male sex in past 12m ((BIRTHSEX=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
HETDEFR5	Met HET definition	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	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). If R IS a seed: (ISEED EQ 1): If R has never injected (EVRINJ=0) & never had male-male sex ((BIRTHSEX=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).

CALC_HET_RCTR_DCC		
HET_RCTR_DCC	HET Recruiter for DCC portal	HET_RCTR_DCC = HET_RCTRR5

Recruiter Selection Messages

INFO_RCTR.	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." 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."

Check_INTRO_END6a.	Go to Check_END6a.

INTRO_END6a.	DISPLAY: "READ: 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, (IE3c 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.		
	Elapsed interview/data entry	
INTTIME	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

FLASHCARDS

Flashcard A

<div style="border:1px solid">

FLASHCARD A

- American Indian or Alaska Native

- Asian

- Black or African American

- Native Hawaiian or Other Pacific Islander

- White

</div>

Flashcard B

<div>

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

</div>

Flashcard C

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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

</div>

Flashcard D

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

FLASHCARD E

	MONTHLY Income	*OR*		**YEARLY** 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

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

<div style="border: 1px solid black; padding: 20px;">

FLASHCARD G

- Strongly agree

- Agree

- Neither agree nor disagree

- Disagree

- Strongly disagree

</div>

Flashcard H

<div style="border:1px solid">

FLASHCARD H

- More than once a day

- Once a day

- More than once a week

- Once a week or less

- Never

</div>

Flashcard I

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

<div style="border:1px solid black">

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

</div>

Flashcard L

<div style="border: 1px solid black;">

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.

</div>

Flashcard M

FLASHCARD M

- American Indian or Alaska Native

- Asian

- Black or African American

- Hispanic or Latino

- Native Hawaiian or Other Pacific Islander

- White

Flashcard N

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

<div style="border:1px solid black; padding:20px;">

FLASHCARD O

- Definitely did not

- Probably did not

- Probably did

- Definitely did

</div>

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

<div style="border:1px solid black; padding:20px;">

FLASHCARD T

- Never

- Rarely

- About half the time

- Most of the time

- Always

</div>

Flashcard W

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

<div style="border:1px solid">

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

</div>

Flashcard Y

<div style="border:1px solid black; padding:20px;">

FLASHCARD Y

- All of the time

- Most of the time

- Some of the time

- A little of the time

- None of the time

</div>

Flashcard AA

<div>

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

</div>

Flashcard BB

FLASHCARD BB

- Truvada, either brand or generic

- Descovy

- Injectable Cabotegrovir

- Dapivirine vaginal ring

- *Other*

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			
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 December 14, 2016.
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 December 14, 2016.
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 December 14, 2016.
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 December 14, 2016.
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 December 14, 2016.
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 December 14, 2016.

Topic	Measure	Variable(s)	Source and citation
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 December 14, 2016.
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 December 14, 2016.
Injection Drug Use			
Disposal of used needles	Disposal of used needles	NDLEDSPA; NDLEDSPB; NDLEDSPC; NDLEDSPD; NDLEDSPE; 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. *Drug Alcohol Depend* 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. *AIDS Behav* 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].
Other Health Conditions			

Topic	Measure	Variable(s)	Source and citation
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 December 14, 2016.
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 December 14, 2016.
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. *Arch Gen Psychiatry* 2003; 60: 184-189.

Prevention Activities

Topic	Measure	Variable(s)	Source and citation
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. *AIDS Behav* 2016; 20(11):2700-2708.

Other Topics

Topic	Measure	Variable(s)	Source and citation
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. *J Health Psychol* 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. *Am J Public Health*. 2004;94:1200–1203.
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 (NIPSVS) Questionnaire. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, [2012].