

Eligibility Screener (English)

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National HIV Behavioral Surveillance System: Eligibility Screener

Public reporting burden of this collection of information is estimated to average 5 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

NHBS Round 7 CAPI REFERENCE QUESTIONNAIRE (CRQ)

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Overview

Questionnaire Sections & Abbreviations

Order in CAPI	Abbreviation	Domain	Other topics included
00	Overview	Overview	
0	CalcVars	Pre-set & calculated variables	
1	IE	Interviewer-entered information	
2	ES	Eligibility screener	
3	CN	Consent	
4	CI	OMB Statement & Core Introductory Statement	
5	NS	Network size (RDS cycles only)	
6	DM	Demographics	General health care access & utilization
7	SO	Social experiences (MSM cycle only)	
8	SX	Sexual behavior	
9	AL	Alcohol use	
10	ID	Injection drug use	
11	ND	Non-injection drug use	
12	TX	Drug overdose and drug treatment	
13	HT	HIV testing & care	
14	HC	Health conditions (STIs, hepatitis, mental health)	
15	PA	Prevention activities	
16	JS	Justice system experiences	
17	VE	Violence	

Abbreviations

CAPI	Computer-Assisted Personal Interview
CRQ	CAPI Reference Questionnaire
R	Respondent
P	Partner

DK	Don't know
REF	Refused to answer
NA	Not applicable (question is asked of R but this is a codable response option)
EQ	Equal to
GT	Greater than
GE	Greater than or equal to
LE	Less than or equal to
LT	Less than
NE	Not equal to
VS, UVS	Vaginal sex, unprotected vaginal sex (i.e., without a condom)
AS, UAS	Anal sex, unprotected anal sex (i.e., without a condom)
IAS	Insertive anal sex
RAS	Receptive anal sex

Key Terms

Term	Prefix / format	Definition
Calculated variable	CALC_	Variables calculated by the CAPI program that appear in the CRQ. Item identifiers for CAPI calculated variables start with the prefix CALC_ followed by the variable name.
Century Month	_C	A century month is an integer value that represents the number of months since January 1900. These calculations are used to compare dates and facilitate routing where respondents are asked to only provide the month and year in which an event took place. These types of questions occur in every date item within the CRQ, with the exception of DOB (E51). As an example, January 2014 is represented by the integer 1369. The higher the integer, the closer the event is to the current date, and the lower the integer, the farther it is in the past. Names of variables collecting century month end in the suffix _C.

Term	Prefix / format	Definition
Fill text		Text to be displayed for which wording depends on prior responses or other conditions. Square brackets enclose the conditions, description of or actual text to be filled, and if applicable, instructions for how the fill text should be displayed. Actual text to be filled is enclosed in quotes e.g., [if condition is true, fill with "text"]. Fill text based on a prior response or CRQ calculated variable refers to the item number or variable name, respectively, e.g., [fill with # of male partners (SX19)], [fill with current questionnaire year (QYR)]. Examples: [fill with interview month, formatted as text].
Filter question		A question that determines whether the respondent should receive subsequent question or set of questions, typically on a related topic.
Hard Edit Check	HardEdit_	A check to determine whether the response entered is logically inconsistent with specific previously entered response. If so, CAPI program displays message to interviewer. Hard edit checks cannot be suppressed, i.e., program will <u>not</u> advance until interviewer has changed at least one of the inconsistent values.
Information for interviewer	INFO_	Items for which the CAPI screen displays Information for the interviewer that is <u>NOT</u> read to the Respondent.
Interviewer instruction		Instruction to interviewer regarding administration of a particular question. These instructions are displayed within brackets on the same CAPI screen as the question. Standard instructions are 'Give Respondent Flashcard {letter}', 'READ choices', 'DO NOT read choices', & 'CHECK ALL that apply.' Instructions for flashcards should appear above the question text; instructions for response options should appear below the question text.
Introductory statement	INTRO_	Transitional statement or definition read to R at the beginning of a new topic (e.g., Section, set of questions, etc.). Displayed on a separate CAPI screen before the item. Item IDs for introductory statements start with the prefix INTRO_ followed by section abbreviation, series, or the item ID of the first item in set or only item to which it applies.
Item		Elements of the CRQ, including but not limited to questions, screens that display text but do not collect data (e.g., messages and other information for the interviewer, introductory statements read to R), calculated variables, etc.
Item identifier		Identifier for all items in the CRQ. Most items in the NHBS CRQ are questions (including items for which the interviewer enters a response even if the text is not explicitly a question, e.g., survey ID#). Item IDs for questions begin with the 2-digit section abbreviation, followed by a number. Question numbers are in ascending order within each section. Some question numbers end in a letter (indicating it is part of a set). Items that are not questions, e.g., calculated variables refer to the variable name. Item IDs for logic checks refer to the next item. Item IDs for hard and soft edits refer to the preceding item.
Logic Check	Check_	Logic that must be checked in the CAPI program in order to determine proper routing to the next item, topic, or section in the CRQ.

Term	Prefix / format	Definition
Message	INTERVIEWER:	Message displayed to the interviewer that is <u>not</u> to be read to R. May be triggered by an edit check. Distinct from Interviewer Instruction.
Question		Any item for which the interviewer enters a response, including questions asked of R, questions asked of the interviewer, and other codes.
Range		Range of valid response values for items collecting or computing numeric data. E.g., the valid range of responses to number of sex partners in past 12 months is 0 to 7000.
Section		Section of the NHBS CRQ. Each section has a unique two letter abbreviation.
Series	...Series.	A group of questions on a given topic that share a general universe. Most but not all series have a parallel series elsewhere (e.g. Male-Female, Male-Male, and Female-Male series).
Soft Edit Check	SoftEdit_	A check to determine whether the response entered is implausible or otherwise requires interviewer's attention. If so, CAPI program displays message to interviewer. The CAPI program allows the interviewer to proceed to the next screen,, even if they do not go back and change the response to 1 or more items that triggered the message.
Universe	Universe_	A specific group of respondents to receive a section, series, question, etc. E.g., the universe for the Consent Section is respondents who were eligible for the cycle in which they completed the eligibility screener. Universe statements are included in the CRQ to facilitate understanding by project area staff, Institutional Review Boards, etc. Universe statements are not intended to be used for CAPI programming.
Variable		Variables computed in the CAPI program or otherwise collected in the CAPI program.

CAPI programming conventions

- Below are conventions to be used for CAPI programming: Unless otherwise specified in the CRQ, all items that collect data require a response to be entered before advancing to the next item.
- DK, REF, & NA options are codable options in CAPI as listed in the CRQ.
- The CAPI program advances in the order specified in the CRQ. Interviewers may return to previous screens but cannot choose to skip or change the order of items, topics, sections, etc.
- Text displayed on CAPI screens appears as it is formatted (e.g., bold, capitalization, etc.).
- Calculated variables used solely for CAPI programming (e.g., to facilitate logic or fill text) are not included in the CRQ.
- Items requesting dates.
 - o For items requesting full date (year, month, and day) the CAPI program should require all 3 fields to be completed if any are entered. If 1 component of the
 - o For items requesting month & year, allow an unknown month, even

NHBS ROUND 7 QUESTIONNAIRE**PRE-SET AND CALCULATED VARIABLES****Variables with pre-set values**

ROUND	NHBS Round ROUND = "NHBS Round 7"
CYCLE	NHBS Cycle CYCLE = 1 (MSM) If MSM cycle CYCLE = 2 (PWID) If PWID cycle CYCLE = 3 (HET) If HET cycle
LANGUAGE	Language LANGUAGE = 1 IF ENGLISH LANGUAGE = 2 IF SPANISH
VERSION	Questionnaire Version If CYCLE=1 & LANGUAGE=1, VERSION='NHBS-MSM2023 - ENGLISH, V1, [BUILD DATE]' If CYCLE=1 & LANGUAGE=2, VERSION = 'NHBS-MSM2023 - SPANISH, V1, [BUILD DATE]' If CYCLE=2 & LANGUAGE=1, VERSION='NHBS-PWID2024 - ENGLISH, V1, [BUILD DATE]' If CYCLE=2 & LANGUAGE=2, VERSION = 'NHBS-PWID2024 - SPANISH, V1, [BUILD DATE]' If CYCLE=3 & LANGUAGE=1, VERSION='NHBS-HET2025 - ENGLISH, V1, [BUILD DATE]' If CYCLE=3 & LANGUAGE=2, VERSION = 'NHBS-HET2025 - SPANISH, V1, [BUILD DATE]'
IDATE	Interview date IDATE = Today's date {system date on device}
IDATEM	Interview date: Month IDATEM = MONTH(IDATE)
IDATEY	Interview date: Year IDATEY = YEAR(IDATE)
START	Start Time START = Current time {system time on device}
DATETIME	Date and time identifier DATETIME= CONCAT(IDATE, START)
DATAFILE	Data file name DATAFILE = Data file name
QYR	Current Questionnaire Year QYR = if ((CYCLE=1), 2023, if ((CYCLE=2), 2024, if ((CYCLE=3), 2025, 0)))
MSM21IMP	MSM2021 data collection start date

MSM21IMP = June 1, 2021

Computed date and duration variables used throughout the interview

IDATE_C	Interview date: Century Month $IDATE_C = (IDATEY - 1900) * 12 + (IDATEM)$
AGO12M_C	12 mos before interview: Century Month $AGO12M_C = IDATE_C - 12$
AGO6M_C	6 mos before interview: Century Month $AGO6M_C = IDATE_C - 6$

NHBS ROUND 7 QUESTIONNAIRE

INTERVIEWER ENTERED INFORMATION (IE)

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
Preloaded Variables	--	VERSION	Questionnaire Version
Preloaded Variables	--	MSM21IMP	MSM2021 data collection start date
Preloaded Variables	--	QYR	Current Questionnaire Year
Preloaded Variables	--	IDATE	Interview Date
Preloaded Variables	--	IDATEY	Interview Date: Year

Universe_IE. All Rs.

INFO_DATETIME. DISPLAY: "The current date recorded on this device is [fill with current date, formatted as "Month date, year"] and the time is [fill with current time, formatted as "Hour: minute"]. If this is not correct, please close this interview and correct the date on the device."

INFO_VERSION. DISPLAY: "This is questionnaire version [fill with value for VERSION]."

INFO_OMB. DISPLAY: "Public reporting burden of this collection of information is estimated to average 5 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."

ID variables

IE1. Interviewer ID:

ICODE Interviewer ID

Range.....1:99.....

IE2. City:

CITYR7 City

Atlanta, GA.....	10.....
Baltimore, MD.....	20.....
Chicago, IL.....	40.....
Denver, CO.....	60.....
Detroit, MI.....	70.....
Houston, TX.....	90.....
Indianapolis, IN.....	95.....
Los Angeles, CA.....	100.....
Memphis, TN.....	120.....
Newark, NJ.....	140.....
New Orleans, LA.....	150.....
New York City, NY.....	160.....
Philadelphia, PA.....	180.....
Portland, OR.....	190.....
San Diego, CA.....	210.....
San Francisco, CA.....	220.....
San Juan, PR.....	230.....
Seattle, WA.....	240.....
Virginia Beach-Norfolk, VA.....	170.....
Washington, DC.....	250.....

IE3.

Survey ID:

SURID

Survey ID

--- --- --- --- Must be 4 digits

Range.....1-9999.....

HardEdit_IE3.

If IE3 not 4 digits long, DISPLAY: "INTERVIEWER: The Survey ID must be four digits long." Then, go back to IE3.
Else, go to IE3conf1.

IE3conf1. **INTERVIEWER: The Survey ID that you entered was [fill with value entered for IE3]. Is this correct?**

C_SURID Survey ID confirmation

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

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

HardEdit_IE3conf1. If value entered for IE3 is not correct (IE3conf1 EQ 0), DISPLAY: "**INTERVIEWER:** Enter the correct Survey ID number in the next screen." Then, go back to IE3.
Else, go to Check_IE3b.

Recruitment, MSM RDS

Check_IE3b. If MSM cycle (CYCLE EQ 1) & interview year is 2021 (QYR EQ 2021), go to IE3b.
If IDU cycle (CYCLE EQ 2) & interview year is 2022 (QYR EQ 2022), go to IE3c.
Else, go to Check_IE5.

IE3b. **INTERVIEWER: Was this person recruited for RDS?**

RDSMSM RDS recruitment - MSM cycle

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

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

Interview type

IE3c. **INTERVIEWER: Is this interview being conducted remotely, that is, by either videoconference or phone?**

ITYPER6 Interview type (remote - y/n)

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

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

Interviewer location

Check_IE3d. If interview is being conducted remotely, (IE3c EQ 1), go to interviewer's location (IE3d).
Else, go to Check_IE5.

IE3d. INTERVIEWER: Are you conducting this interview from your home, from the project office, or from a field site?

RIVWRLOC6 Interviewer location (remote interviews)

Interviewer's home..... 1

Project office..... 2

Field site..... 3

Recruitment, MSM Venue

Check_IE5. If MSM cycle (CYCLE EQ 1), and R not recruited via RDS (IE3b EQ 0), go to IE5.
Else, go to Check_IE9.

Universe_VBSSeries. All Rs in MSM Cycle (CYCLE EQ 1).

IE4. INTERVIEWER: Is this interview a Post Event Appointment?

PEA Post Event Appointment

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

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

IE5. Venue Code:

VENUE Venue Code

— — — —

Range 1-9900

IE6. Event Number:

VBS_EVNT Event number

--- --- ---

Range.....1-999.....

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

Check_IE7. Go to IE8.

IE7. Enter the field site ID for the location of the interview: (If unknown, select "Don't Know".)

PEASITE PEA Field site ID

---- -- -- --

{4 alphanumeric characters}

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

Check_HardEdit_IE7. If PEA field site is unknown (IE7 EQ DK), go to IE8.
Else, go to HardEdit_IE7.

HardEdit_IE7. If IE7 is NOT 4 digits long, DISPLAY: "INTERVIEWER: The PEA Field Site ID must be four alphanumeric characters long." Then, go back to IE7.
Else, go to IE8.

Recruitment Date

IE8. Recruitment date: (If unknown, select "Don't Know".)

RECRDATE Recruitment date

___/___/____ (MM/DD/YYYY)

Range (Year).....1900-2100.....

Don't know (Year).....9999.....

HardEdit_IE8. If Recruitment date known & after interview date (IE8 NE DK & IE8 GT IDATE), DISPLAY: " INTERVIEWER: The date of recruitment cannot be after today's date. Please correct on next screen." Then return to IE8.
Else, go to SoftEdit_IE8.

SoftEdit_IE8. If Recruitment date known & before MSM cycle implementation date (IE8 NE DK & IE8 LT MSM21IMP), DISPLAY: "INTERVIEWER: The date of recruitment is before June 1, [fill with current questionnaire year (QYR)]. If this is incorrect, go back to the previous screen and re-enter the date of recruitment ."
Else, go to Check_IE9.

Check_IE9. If MSM cycle and interview is being conducted in person (CYCLE EQ 1 and IE3c EQ 2), or if U or HET cycle (CYCLE

EQ 2 or CYCLE EQ 3), go to IE9.
Else, go to Check_IE10.

Field Site ID**IE9.****Field Site ID:**

FLDSTEID

Field site ID

---- {Must be 2 digits}

Range0-99.....

HardEdit_IE9.

If IE9 is not 2 digits long, DISPLAY: "**INTERVIEWER:** The Field Site ID must be two digits long. Please correct on next screen." Then return to IE9.
Else, go to Check_IE10.

Check_IE10.

If MSM cycle and R recruited via RDS (CYCLE EQ 1 and IE3b EQ 1), or if IDU or HET cycle (CYCLE EQ 2 or CYCLE EQ 3), go to IE10.
Else, go to END_IE.

RDS Seed Status**IE10.****INTERVIEWER: Is the respondent a seed?**

ISEED

Respondent is a seed

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

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

HardEdit_IE10.

If Survey ID in non-seed range & R is a seed (IE3 GE 1000 & IE10 EQ 1), DISPLAY: "**INTERVIEWER:** You indicated that the respondent is a seed but earlier, recorded a non-seed Survey ID. One of these is incorrect." Then return to IE10.
If Survey ID in seed range & R NOT a seed (IE3 LT 1000 & IE10 EQ 0), DISPLAY: "**INTERVIEWER:** You indicated that the respondent is NOT a seed but earlier, recorded a seed Survey ID. One of these is incorrect." Then return to IE3.
Else, go to END_IE.

END_IE.

Go to Eligibility Screener Section (ES).

NHBS ROUND 7 QUESTIONNAIRE

ELIGIBILITY SCREENER (ES)

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
Preloaded variables	--	IDATE	Interview date
Preloaded variables	--	QYR	Current Questionnaire Year
Interviewer Entered Information	IE2	CITY	City
Interviewer Entered Information	IE4	PEA	Post Event Appointment
Interviewer Entered Information	IE8	PEARDTE	PEA recruitment event date

Universe_ES. All Rs.

INTRO_ES. DISPLAY: "READ: I'd like to thank you again for your interest in this health survey. Remember that all information you give me will be kept private and I will not ask for your name. First, I will ask you a few questions about yourself and then the computer will determine if you have been selected to participate in the health survey."

CALC_BEGSCR.

BEGSCR Time at beginning of screener
BEGSCR = Current time

Check_CALC_RDATE. Go to ES1.

CALC_RDATE.

RDATE Calculated Recruitment Date

If interview is NOT a Post Event Appointment (IE4 EQ 0):
RDATE=IDATE

If interview is Post Event Appointment (IE4 EQ 1):
RDATE=RECRDATE

Date of Birth

ES1. What is your date of birth?

DOB Date of birth

___/___/____ (MM/DD/YYYY)

Range (Year)1900-2100

Don't Know (Year).....9999

Refuse to Answer (Year).....7777

Check_CALC_AGE If R did not provide date of birth (ES1 EQ DK or REF), go to ES2.
 . Else, go to HardEdit_ES1.

HardEdit_ES1. If date of birth is on or after interview date (ES1 GE IDATE), DISPLAY: "**INTERVIEWER:** Date of birth cannot be TODAY or later." Then, go back to ES1.
 Else, go to CALC_AGE.

CALC_AGE.

AGE	QDS calculated age today	Calculate age from date of birth (DOB)
-----	--------------------------	--

ES1a. So, you are [fill with calculated age (AGE)] years old. Is that correct?

C_AGE Confirm age

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

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

HardEdit_ES1a. If calculated age NOT correct (ES1a EQ 0), DISPLAY: "**INTERVIEWER:** Please hit ok to re-enter the date of birth." Then, go back to ES1.
 Else, go to Check_ES2.

Check_ES2. If R LT 18 years old (AGE LT 18), go to Check_CALC_EL.
 Else, go to ES2.

Previous Participation, Self-Report

ES2. During [fill with current questionnaire year (QYR)], did you already complete at least part of the health survey that (Insert Project Name) is conducting? It could have been here or at another location.

E_PART Eligibility, previous participant

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

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

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

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

Race/Ethnicity

Notes_Ethnicity. See [Measure References](#).

Do you consider yourself to be of Hispanic, Latino/a, or Spanish origin?

ES3. [INTERVIEWER: If necessary, say "Just tell me Yes or No."]

HISPANIC Latino ethnicity

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

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

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

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

Check_ES3a.	If R is Latino (ES3 EQ 1), go to ES3a. Else, go to ES4.
--------------------	---

Which of the following describes your Hispanic, Latino/a, or Spanish origin? You may choose more than one option.

ES3a. [READ choices. CHECK ALL that apply.]

HSPTYP Hispanic Ancestry (number reported)

HSPTYP A Mexican

HSPTYP B Puerto Rican

HSPTYP C Cuban

HSPTYP D Dominican

HSPTYPE Another Hispanic, Latino/a, or Spanish origin

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

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

Check_ES3spec.	If R reports 'Another' Hispanic origin (HSPTYPE EQ 1), go to ES3spec.
-----------------------	---

Else, go to ES4.

ES3spec. What is your Hispanic, Latino/a, or Spanish origin?

SPECHSP Other specified Latino origin

{text response; max length = 100 characters}

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

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

[Give Respondent Flashcard A.]

Which racial group or groups do you consider yourself to be in? You may choose more than one option.

ES4. [READ choices. CHECK ALL that apply.]

RACE Racial group (number reported)

RACEA American Indian or Alaska Native

RACEB Asian

RACEC Black or African American

RACED Native Hawaiian or Other Pacific Islander

RACEE White

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

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

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

Check_CountyofResidence. If IE2 EQ 1, go to ES5_ATL.
If IE2 EQ 2, go to ES5_BLT.
If IE2 EQ 3, go to ES5_BOS.
If IE2 EQ 4, go to ES5_CHI.
If IE2 EQ 5, go to ES5_DAL.
If IE2 EQ 6, go to ES5_DEN.
If IE2 EQ 7, go to ES5_DET.
If IE2 EQ 8, go to ES5_IND.
If IE2 EQ 9, go to ES5_HOU.
If IE2 EQ 10, go to ES5_LAX.
If IE2 EQ 11, go to ES5_MIA.
If IE2 EQ 12, go to ES5_MEM.

If IE2 EQ 13, go to ES5_NAU.
 If IE2 EQ 14 go to ES5_NEW.
 If IE2 EQ 15, go to ES5_NOL.
 If IE2 EQ 16, go to ES5_NYC.
 If IE2 EQ 17, go to ES5_NOR.
 If IE2 EQ 18, go to ES5_PHL.
 If IE2 EQ 19, go to ES5_PTL.
 If IE2 EQ 21, go to ES5_SDG.
 If IE2 EQ 22, go to ES5_SFO.
 If IE2 EQ 23, go to ES5_SJN.
 If IE2 EQ 24, go to ES5_SEA.
 If IE2 EQ 25, go to ES5_WDC.

County of Residence**What county do you currently live in?****ES5_ATL.**

[DO NOT read choices.]

ATLCTYR6

Eligibility, Atlanta county of residence

Barrow County.....1.....
 Bartow County.....2.....
 Butts County.....3.....
 Carroll County.....4.....
 Cherokee County.....5.....
 Clayton County.....6.....
 Cobb County.....7.....
 Coweta County.....8.....
 Dawson County.....9.....
 DeKalb County.....10.....
 Douglas County.....11.....
 Fayette County.....12.....
 Forsyth County.....13.....
 Fulton County.....14.....
 Gwinnett County.....15.....
 Haralson County.....16.....

Heard County.....	17.....
Henry County.....	18.....
Jasper County.....	19.....
Lamar County.....	20.....
Meriwether County.....	21.....
Morgan County.....	22.....
Newton County.....	23.....
Paulding County.....	24.....
Pickens County.....	25.....
Pike County.....	26.....
Rockdale County.....	27.....
Spalding County.....	28.....
Walton County.....	29.....
Other.....	88.....
Don't Know.....	999.....
Refuse to Answer.....	777.....

CALC_ATLELR6.

ATLELR6 = if ((ATLCTYR6=1 OR ATLCTYR6=2 OR ATLCTYR6=3 OR ATLCTYR6=4 OR
ATLCTYR6=5 OR ATLCTYR6=6 OR ATLCTYR6=7 OR ATLCTYR6=8 OR ATLCTYR6=9 OR
ATLCTYR6=10 OR ATLCTYR6=11 OR ATLCTYR6=12 OR ATLCTYR6=13 OR
ATLCTYR6=14 OR ATLCTYR6=15 OR ATLCTYR6=16 OR ATLCTYR6=17 OR
ATLCTYR6=18 OR ATLCTYR6=19 OR ATLCTYR6=20 OR ATLCTYR6=21 OR
ATLCTYR6=22 OR ATLCTYR6=23 OR ATLCTYR6=24 OR ATLCTYR6=25 OR
ATLCTYR6=26 OR ATLCTYR6=27 OR ATLCTYR6=28 OR ATLCTYR6=29), 1,0)

ATLELR6

Eligible county resident: ATL

Check_ES5_BLT.

Go to CALC_E_CITY.

What county do you currently live in?

ES5_BLT.

[DO NOT read choices.]

BLTCTYR5

Eligibility, Baltimore county of residence

Baltimore City.....1.....

Anne Arundel.....2.....

Baltimore.....3.....

Carroll.....4.....

Harford.....5.....

Howard.....6.....

Queen Anne's.....7.....

Other.....88.....

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

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

CALC_BLT5.

BLTEL5

Eligible county resident: BLT

BLTEL5 = if ((BLCTYR5=1 OR BLCTYR5=2 OR BLCTYR5=3 OR BLCTYR5=4 OR
BLCTYR5=5 OR BLCTYR5=6 OR BLCTYR5=7), 1,0)**Check_ES5_CHI.**

Go to CALC_E_CITY.

What county do you currently live in?**ES5_CHI.**

[DO NOT read choices.]

CHICTYR7

Eligibility, Chicago county of residence

Cook County.....1.....

DuPage County.....3.....

Grundy County.....4.....

McHenry County.....7.....

Will County.....8.....

Other.....88.....

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

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

CALC_CHIELR5.

CHIELR5

Eligible county resident: CHI

CHIELR5 = if ((CHICTYR5=1 OR CHICTYR5=3 OR CHICTYR5=4 OR CHICTYR5=6 OR CHICTYR5=7 OR CHICTYR5=8), 1,0)

Check_ES5_DEN.

Go to CALC_E_CITY.

What county do you currently live in?**ES5_DEN.**

[DO NOT read choices.]

DENCTYR5

Eligibility, Denver county of residence

Adams County.....1.....

Arapahoe County.....2.....

Broomfield County.....3.....

Clear Creek County.....4.....

Denver County.....5.....

Douglas County.....6.....

Elbert County.....7.....

Gilpin County.....8.....

Jefferson County.....9.....

Park County.....10.....

Other.....88.....

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

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

CALC_DENELR5.

DENELR5

Eligible county resident: DEN

DENELR5 = if ((DENCTYR5=1 OR DENCTYR5=2 OR DENCTYR5=3 OR DENCTYR5=4 OR DENCTYR5=5 OR DENCTYR5=6 OR DENCTYR5=7 OR DENCTYR5=8 OR DENCTYR5=9 OR DENCTYR5=10), 1,0)

Check_ES5_DET.

Go to CALC_E_CITY.

What county do you currently live in?**ES5_DET.** [DO NOT read choices.]

DETCTYR5 Eligibility, Detroit county of residence

Macomb County.....0.....

Oakland County.....1.....

Wayne County.....2.....

Other.....88.....

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

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

CALC_DETCLR5.

DETLR5 Eligible county resident: DET DETCLR5 = if ((DETCTYR5=0 OR DETCTYR5=1 OR DETCTYR5=2), 1,0)

Check_ES5_HOU.

Go to CALC_E_CITY.

What county do you currently live in?**ES5_HOU.** [DO NOT read choices.]

HOUCTYR5 Eligibility, Houston county of residence

Austin County.....1.....

Brazoria County.....2.....

Chambers County.....3.....

Fort Bend County.....4.....

Galveston County.....5.....

Harris County.....6.....

Liberty County.....7.....

Montgomery County.....8.....

Waller County.....10.....

Other.....88.....

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

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

CALC_HOUELR5.

HOUELR5

Eligible county resident: HOU

HOUELR5= if ((HOUCTYR5=1 OR HOUCTYR5=2 OR HOUCTYR5=3 OR HOUCTYR5=4
OR HOUCTYR5=5 OR HOUCTYR5=6 OR HOUCTYR5=7 OR HOUCTYR5=8 OR
HOUCTYR5=10), 1,0)

Check_ES5_IND.

Go to CALC_E_CITY.

What county do you currently live in?**ES5_IND.**

[DO NOT read choices.]

INDCTYR6

Eligibility, Indianapolis county of residence

Boone County.....1.....

Brown County.....2.....

Hamilton County.....3.....

Hancock County.....4.....

Hendricks County.....5.....

Johnson County.....6.....

Madison County.....7.....

Marion County.....8.....

Morgan County.....9.....

Putnam County.....10.....

Shelby County.....11.....

Other.....88.....

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

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

CALC_INDELR6.

INDELR6

Eligible county resident: IND

INDELR6= if ((INDCTYR6=1 OR INDCTYR6=2 OR INDCTYR6=3 OR INDCTYR6=4 OR

INDCTYR6=5 OR INDCTYR6=6 OR INDCTYR6=7 OR INDCTYR6=8 OR INDCTYR6=9
INDCTYR6=10 OR INDCTYR6=11), 1,0)

Check_ES5_LAX.

Go to CALC_E_CITY.

What county do you currently live in?

ES5_LAX.

[DO NOT read choices.]

LAXCTYR5

Eligibility, Los Angeles county of residence

Los Angeles County.....1.....

Other.....88.....

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

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

CALC_LAXELR5.

LAXELR5

Eligible county resident: LAX

LAXELR5 = if ((LAXCTYR5=1), 1,0)

Check_ES5_MEM.

Go to CALC_E_CITY.

What county do you currently live in?

ES5_MEM.

[DO NOT read choices.]

MEMCTYR7

Eligibility, Memphis county of residence

Fayette County, TN.....1.....

Shelby County, TN.....2.....

Tipton County, TN.....3.....

DeSoto County, MS.....5.....

Marshall County, MS.....6.....

Tate County, MS.....7.....

Tunica County, MS.....8.....

Crittendon County, AR.....9.....

Other.....88.....

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

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

CALC_MEMELR5.

MEMELR5

Eligible county resident: MEM

MEMELR5 = if ((MEMCTYR5=1 OR MEMCTYR5=2 OR MEMCTYR5=3 OR
MEMCTYR5=4 OR MEMCTYR5=5 OR MEMCTYR5=6 OR MEMCTYR5=7 OR
MEMCTYR5=8 OR MEMCTYR5=9), 1,0)

Check_ES5_NEW.

Go to CALC_E_CITY.

What county do you currently live in?**ES5_NEW.**

[DO NOT read choices.]

NEWCTYR5

Eligibility, Newark county of residence

Essex County, NJ.....1.....

Hunterdon County, NJ.....2.....

Hudson County, NJ.....3.....

Morris County, NJ.....4.....

Sussex County, NJ.....6.....

Union County, NJ.....7.....

Pike County, PA.....8.....

Other.....88.....

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

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

CALC_NEWELR5.

NEWELR5

Eligible county resident: NEW

NEWELR5 = if ((NEWCTYR5=1 OR NEWCTYR5=2 OR NEWCTYR5=3 OR
NEWCTYR5=4 OR NEWCTYR5=5 OR NEWCTYR5=6 OR NEWCTYR5=7 OR
NEWCTYR5=8), 1,0)

Check_ES5_NOL.

Go to CALC_E_CITY.

What parish do you currently live in?**ES5_NOL.**

[DO NOT read choices.]

NOLCTYR5

Eligibility, New Orleans parish of residence

Jefferson Parish.....1.....

Orleans Parish.....2.....

Plaquemines Parish.....3.....

St. Bernard Parish.....4.....

St. Charles Parish.....5.....

St. James Parish.....6.....

St. John the Baptist Parish.....7.....

St. Tammany Parish.....8.....

Other.....88.....

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

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

CALC_NOLEL.

NOLELR5

Eligible parish resident: NOL

NOLELR5 = if ((NOLCTYR5=1 OR NOLCTYR5=2 OR NOLCTYR5=3 OR NOLCTYR5=4
OR NOLCTYR5=5 OR NOLCTYR5=6 OR NOLCTYR5=7 OR NOLCTYR5=8), 1,0)

Check_ES5_NYC.

Go to CALC_E_CITY.

ES5_NYC.**What county do you currently live in?**

[DO NOT read choices.]

NYCCTYR7

Eligibility, New York City county of residence

Bronx County, NY.....1.....

Kings County, NY.....2.....

New York County, NY.....3.....

Putnam County, NY.....4.....

Queens County, NY.....5.....

Richmond County, NY.....6.....

Rockland County, NY.....7.....

Westchester County, NY.....8.....

Bergen County, NJ.....9.....

Passaic County, NJ.....14.....

Other.....88.....

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

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

CALC_NYCELR5.

NYCELR5

Eligible county resident: NYC

NYCELR5 = if ((NYCCTYR5=1 OR NYCCTYR5=2 OR NYCCTYR5=3 OR NYCCTYR5=4 OR
NYCCTYR5=5 OR NYCCTYR5=6 OR NYCCTYR5=7 OR NYCCTYR5=8 OR NYCCTYR5=9
OR NYCCTYR5=11 OR NYCCTYR5=12 OR NYCCTYR5=13 OR NYCCTYR5=14), 1,0)

Check_ES5_NOR.

Go to CALC_E_CITY.

What county do you currently live in?

ES5_NOR.

[DO NOT read choices.]

NORCTYR7

Eligibility, Norfolk county of residence

Chesapeake city, VA.....0.....

Franklin city, VA.....	1.....
Gloucester County, VA.....	2.....
Hampton city, VA.....	3.....
Isle of Wight County, VA.....	4.....
James city County, VA.....	5.....
Mathews County, VA.....	6.....
Newport News city, VA.....	7.....
Norfolk city, VA.....	8.....
Poquoson city, VA.....	9.....
Portsmouth city, VA.....	10.....
Southampton County, VA.....	11.....
Suffolk city, VA.....	12.....
Virginia Beach city, VA.....	13.....
Williamsburg city, VA.....	14.....
York County, VA.....	15.....
Camden County, NC.....	16.....
Currituck County, NC.....	17.....
Gates County, NC.....	20.....
Other.....	88.....
Don't Know.....	999.....
Refuse to Answer.....	777.....

CALC_NORELR5.

NORELR5 = if ((NORCTYR7=0 or NORCTYR7=1 OR NORCTYR7=2 OR NORCTYR7=3 OR NORCTYR7=4 OR NORCTYR7=5 OR NORCTYR7=6 OR NORCTYR7=7 OR NORCTYR7=8 OR NORCTYR7=9 OR NORCTYR7=10 OR NORCTYR7=11 OR NORCTYR7 = 12 or NORCTYR7=13 OR NORCTYR7=14 OR NORCTYR7=15 OR NORCTYR7=16 OR NORCTYR7 = 17 or NORCTYR7=20), 1,0)

NORELR5 Eligible county resident: NOR

Check_ES5_PHL. Go to CALC_E_CITY.

What county do you currently live in?**ES5_PHL.** [DO NOT read choices.]**PHLCTYR5** Eligibility, Philadelphia county of residence

Delaware County.....3.....

Philadelphia County.....5.....

Other.....88.....

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

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

CALC_PHELR5.**PHLELR5** Eligible county resident: PHL PHLELR5 = if ((PHLCTYR5=3 OR PHLCTYR5=5), 1,0)**Check_ES5_PTL.** Go to CALC_E_CITY.**What county do you currently live in?****ES5_PTL.** [DO NOT read choices.]**PTLCTYR5** Eligibility, Portland county of residence

Clackamas County, OR.....1.....

Columbia County, OR.....2.....

Multnomah County, OR.....3.....

Washington County, OR.....4.....

Yamhill County, OR.....5.....

Clark County, WA.....6.....

Skamania County, WA.....7.....

Other.....88.....

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

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

CALC_PTLER5.

PTLER5

Eligible county resident: PTL

PTLER5 = if ((PTLCTYR5=1 OR PTLCTYR5=2 OR PTLCTYR5=3 OR PTLCTYR5=4 OR PTLCTYR5=5 OR PTLCTYR5=6 OR PTLCTYR5=7), 1,0)

Check_ES5_SDG.

Go to CALC_E_CITY.

What county do you currently live in?**ES5_SDG.**

[DO NOT read choices.]

SDGCTYR5

Eligibility, San Diego county of residence

San Diego County.....1.....

Other.....88.....

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

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

CALC_SDGELR5.

SDGELR5

Eligible county resident: SDG

SDGELR5 = if ((SDGCTYR5=1), 1,0)

Check_ES5_SFO.

Go to CALC_E_CITY.

What county do you currently live in?**ES5_SFO.**

[DO NOT read choices.]

SFOCTYR5

Eligibility, San Francisco county of residence

San Francisco County.....2.....

San Mateo County.....3.....

Other.....88.....

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

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

CALC_SFOELR5.

SFOELR5

Eligible county resident: SFO

SFOELR5 = if ((SFOCTYR5=2 OR SFOCTYR5=3), 1,0)

Check_ES5_SJN.

Go to CALC_E_CITY.

What municipality (county) do you currently live in?**ES5_SJN.**

[DO NOT read choices.]

SJNCTYR6

Eligibility, San Juan county (municipio) of residence

Aguas Buenas.....	1.....
Aibonito.....	2.....
Barceloneta.....	3.....
Barranquitas.....	4.....
Bayamón.....	5.....
Caguas.....	6.....
Canóvanas.....	7.....
Carolina.....	8.....
Cataño.....	9.....
Cayey.....	10.....
Ceiba.....	11.....
Ciales.....	12.....
Cidra.....	13.....
Comerío.....	14.....
Corozal.....	15.....
Dorado.....	16.....
Fajardo.....	17.....
Florida.....	18.....
Guaynabo.....	19.....
Gurabo.....	20.....
Humacao.....	21.....

Juncoa.....	22.....
Las Piedras.....	23.....
Loíza.....	24.....
Luquillo.....	25.....
Manatí.....	26.....
Manuabo.....	27.....
Morovis.....	28.....
Naguabo.....	29.....
Naranjito.....	30.....
Orocovis.....	31.....
Río Grande.....	32.....
San Juan.....	33.....
San Lorenzo.....	34.....
Toa Alta.....	35.....
Toa Baja.....	36.....
Trujillo Alto.....	37.....
Vega Alta.....	38.....
Vega Baja.....	39.....
Yabucoa.....	40.....
Other.....	88.....
Don't Know.....	999.....
Refuse to Answer.....	777.....

CALC_SJNELR6.

SJNELR6	Eligible municipality resident: SJN	SJNELR6 = if ((SJNCTYR6=1 OR SJNCTYR6=2 OR SJNCTYR6=3 OR SJNCTYR6=4 OR SJNCTYR6=5 OR SJNCTYR6=6 OR SJNCTYR6=7 OR SJNCTYR6=8 OR SJNCTYR6=9 OR SJNCTYR6=10 OR SJNCTYR6=11 OR SJNCTYR6=12 OR SJNCTYR6=13 OR SJNCTYR6=14 OR SJNCTYR6=15 OR SJNCTYR6=16 OR SJNCTYR6=17 OR SJNCTYR6=18 OR SJNCTYR6=19 OR SJNCTYR6=20 OR SJNCTYR6=21 OR SJNCTYR6=22 OR SJNCTYR6=23 OR SJNCTYR6=24 OR SJNCTYR6=25 OR SJNCTYR6=26 OR SJNCTYR6=27 OR SJNCTYR6=28 OR SJNCTYR6=29 OR
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SJNCTYR6=30 OR SJNCTYR6=31 OR SJNCTYR6=32 OR SJNCTYR6=33 OR
 SJNCTYR6=34 OR SJNCTYR6=35 OR SJNCTYR6=36 OR SJNCTYR6=37 OR
 SJNCTYR6=38 OR SJNCTYR6=39 OR SJNCTYR6=40), 1,0)

Check_ES5_SEA. Go to CALC_E_CITY.

What county do you currently live in?

ES5_SEA. [DO NOT read choices.]

SEACTYR5 Eligibility, Seattle county of residence

King County.....1.....

Snohomish County.....2.....

Other.....88.....

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

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

CALC_SEAELR5.

SEAELR5 Eligible county resident: SEA SEAELR5 = if ((SEACTYR5=1 OR SEACTYR5=2), 1, 0)

Check_ES5_WDC. Go to CALC_E_CITY.

What county do you currently live in?

ES5_WDC. [DO NOT read choices.]

WDCCTYR7 Eligibility, Washington DC county of residence

District of Columbia.....1.....

Calvert County, MD.....2.....

Charles County, MD.....3.....

Prince George's County, MD.....4.....

Alexandria city, VA.....5.....

Fairfax city, VA.....6.....

Falls Church city, VA.....	7.....
Fredericksburg city, VA.....	8.....
Manassas city, VA.....	9.....
Manassas Park city, VA.....	10.....
Arlington County, VA.....	11.....
Clarke County, VA.....	12.....
Culpeper County, VA.....	13.....
Fairfax County, VA.....	14.....
Fauquier County, VA.....	15.....
Loudoun County, VA.....	16.....
Madison County, VA.....	17.....
Prince William County, VA.....	18.....
Rappahannock County, VA.....	19.....
Spotsylvania County, VA.....	20.....
Stafford County, VA.....	21.....
Warren County, VA.....	22.....
Jefferson County, WV.....	23.....
Other.....	88.....
Don't Know.....	999.....
Refuse to Answer.....	777.....

CALC_WDCELR5.

WDCELR5

Eligible county resident: WDC

WDCELR5 = if ((WDCCTYR7=1 OR WDCCTYR7=2 OR WDCCTYR7=3 OR
WDCCTYR7=4 OR WDCCTYR7=5 OR WDCCTYR7=6 OR WDCCTYR7=7 OR
WDCCTYR7=8 OR WDCCTYR7=9 OR WDCCTYR7=10 OR WDCCTYR7=11 OR
WDCCTYR7=12 OR WDCCTYR7=13 OR WDCCTYR7=14 OR WDCCTYR7=15 OR
WDCCTYR7=16 OR WDCCTYR7=17 OR WDCCTYR7=18 OR WDCCTYR7=19 OR
WDCCTYR7=20 OR WDCCTYR7=21 OR WDCCTYR7=22 or WDCCTYR7=23), 1,0)

MSA Residence calculation**CALC_E_CITY.**

E_CITY

Eligible city resident

E_CITY = if ((ATLELR6=1 or BLTELR5=1 or CHIELR5=1 or DENELR5=1 or DETELR5=1

or HOUELR5=1 or INDEL6=1 or LAXELR5=1 or MEMELR5=1 or NEWELR5=1 or
NOLELR5=1 or NOREL5=1 or NYCEL5=1 or PHLELR5=1 or PTELR5=1 or
SDGELR5=1 or SFOELR5=1 or SJNELR6=1 or SEAELR5=1 or WDCEL5=1),1,0)

Check_ES5spec. If R is resident of 'other' county (ES5_ATL EQ 88 or ES5_BLT EQ 88 or ES5_CHI. EQ 88 or ES5_DEN. EQ 88 or ES5_DET.
EQ 88 or ES5_HOU. EQ 88 or ES5_IND. EQ 88 or ES5_LAX. EQ 88 or ES5_MEM. EQ 88 or ES5_NEW. EQ 88 or
ES5_NOL. EQ 88 or ES5_NOR. EQ 88 or ES5_NYC. EQ 88 or ES5_PHL. EQ 88 or ES5_PTL. EQ 88 or ES5_SDG. EQ
88 or ES5_SFO. EQ 88 or ES5_SJN. EQ 88 or ES5_SEA. EQ 88 or ES5_WDC. EQ 88), go to ES5spec.
Else, go to Check_ES6.

ES5spec. **INTERVIEWER: Specify other county (If Boston, Specify other city or town):**

SPEC CNTY Specify other county

{text response; max length = 100 characters}

Gender

What was your sex at birth?

ES8a. [DO NOT read choices.]

BIRTHSEX Sex at birth

Male.....1.....

Female.....2.....

Intersex/ambiguous.....3.....

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

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

Check_ES8b. If MSM cycle (CYCLE EQ 1), go to ES8b.
Else, go to ES8c.

ES8b. Which of the following best describes your gender?

[READ choices.]

GNDRR7

Gender identity

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

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

Nonbinary.....5.....

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

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

Check_ES9a. If MSM cycle (CYCLE EQ 1), go to ES9a.
 If PWID cycle (CYCLE EQ 2), go to ES10.
 If HET cycle (CYCLE EQ 3), go to Check_INTRO_ES17.

Behavioral Eligibility, NHBS-MSM**ES9a. Have you ever had vaginal or anal sex with a woman?**

E_EVRMSW Eligibility: MSM, Ever had sex with woman

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

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

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

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

ES9b. Have you ever had oral or anal sex with a man?

E_EVRMSM Eligibility: MSM, Ever had sex with man

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

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

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

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

NHBS-MSM Venue Attendance

ES9c. In the past 30 days, how many times have you gone to a place where gay men hang out, meet, or socialize? These could include bars, clubs, social organizations, parks, gay businesses, bookstores, sex clubs, etc. Do not include places where you are employed.

ATTEND30 Venue attendance, 30 days

— — —

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

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

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

Check_ES10. Go to INTRO_ES18.

Behavioral Eligibility, NHBS-PWID

ES10. Have you ever in your life shot up or injected any drugs other than those prescribed for you? By shooting up, I mean any time you might have used drugs with a needle, either by mainlining, skin popping, or muscling.

E_EVRINJ Eligibility: ever injected

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

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

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

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

Check_ES11. If R ever injected (ES10 EQ 1), go to ES11.
Else (ES10 NE 1), go to INTRO_ES18.

ES11. When was the last time you injected any drug? That is, how many days or months or years ago did you last inject?

[INTERVIEWER: If today, enter "0"]

E_LINJN IDU ES: When last injected, number

— — —

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

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

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

Check_ES11a. If R last injected today or did not report the last time they injected (ES11 EQ 0, DK, or REF), go to CALC_E_INJ12. Else, go to ES11a.

ES11a. [INTERVIEWER: Was this days or months or years?]

E_LINJU IDU ES : When last injected, unit

Days.....0.....

Months.....1.....

Years.....2.....

CALC_E_INJ12.

E_INJ12

injected in last 12 months

E_INJ12 = if (E_LINJN= .DK or E_LINJN= .REF),, if(E_LINJN=0), 1, if (E_LINJU=0 and E_LINJN<=365), 1, if ((E_LINJU=1 and E_LINJN<=12), 1, if ((E_LINJU=2 and E_LINJN<=1), 1, 0))))

[Give Respondent Flashcard B.]

Which drug do you inject most often?

ES12. [READ choices.]

E_USINJ Eligibility, drug usually injected

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

Check_ES12spec. If R most often injects 'something else' (ES12 EQ 7), go to ES12spec.
Else, go to Check_ES13.

ES12spec. **INTERVIEWER: Specify other injection drug**

SPECE_ID Specify other injection drug

{text response; max characters = 100}

Check_ES13. Go to Check_INTRO_ES14.

Where on your body do you usually inject?

[**INTERVIEWER:** Have respondent show ALL injection areas on body. Check for physical signs of injection.]

ES13. [DO NOT read choices. CHECK ALL that apply.]

E_INJBD Part of body injected

E_INJBDA Fresh track marks

E_INJBDB Needle-sized scabs

E_INJBDC Abscesses

E_INJBDD Old track marks or scars

E_INJBDE Injects in covered area

E_INJBDF Showed injection area(s) but NO physical signs

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

HardEdit_ES13. If interviewer records both physical signs & 'no physical signs' of injection (E_INJBDA EQ 1 or E_INJBDB EQ 1 or E_INJBDC EQ 1 or E_INJBDD EQ 1) & E_INJBDF EQ 1, DISPLAY: "**INTERVIEWER:** You indicated that the respondent had both physical signs and no physical signs of injection. Clarify and re-enter response to current or prior item as needed." Then go back to ES13.
Else, go to CALC_E_INJSIG.

CALC_E_INJSIG.

E_INJSIG	Eligible: Phy Sign Recent Injection	If R has fresh track marks, needle-sized scabs, or abscesses (E_INJBDA=1 OR E_INJBDB=1 OR E_INJBDC=1), E_INJSIG EQ 1. If R has old track marks or scars, has no physical signs of injection, or has no
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physical signs of injection and injects in a covered area (E_INJBDD=1 OR E_INJBDF=1 OR (E_INJBDE=1 and E_INJBDF=1)), E_INJSIG EQ 2.
 If R refused to answer (E_INJBD= REF) or only injected in a covered area (E_INJBDE=1 and (E_INJBDA EQ 0 and E_INJBDB EQ 0 and E_INJBDC EQ 0 and E_INJBDD EQ 0 and E_INJBDF=0)), E_INJSIG EQ 0.

Check_ES14. If R has only non-recent signs of injection, no physical signs of injection, or has no physical signs of injection and injects in a covered area (E_INJSIG EQ 2), go to ES14.
 Else, go to CALC_E_INJCT.

Check_INTRO_ES14 If R injected in past 12m (E_INJ12 EQ 1), to to INFO_ES14.
 . Else, go to Check_HET_Behavioral_Eligibility.

INFO_ES14. **INTERVIEWER:** Use the next questions to assess the participant's injection knowledge.

Step-by-step, tell me how you prepare your drugs.

[**INTERVIEWER:** Description could include:

ES14. --Mix drugs with water or lemon juice/vinegar--Use cooker /Heat drugs--Use filter]

E_INJPRP Eligibility, prepare drugs

Description OK.....1.....

Description Not OK.....2.....

Step-by-step, tell me how you inject your drugs.

[**INTERVIEWER:** Description could include:

ES15. --Tie off and find vein (IVDU)--Clean injection site--Register (IVDU)]

E_HWINJ Eligibility, how is injection done

Description OK.....1.....

Description Not OK.....2.....

ES16. **What type of syringe do you usually inject with?**

[**INTERVIEWER:** Description could include:

--Syringe size (in cc's or units)--Needle size (gauge, length)--Cap (color, number)(Can also ask where they usually get syringes, what they do with them after injecting, and how they know if they are new or used.)]

E_STYP Eligibility, type of syringe used

Description OK.....1.....

Description Not OK.....2.....

CALC_E_INJKNW.

E_INJKNW Eligible: Injection knowledge E_INJKNW = if ((E_INJPRP=1 AND E_HWINJ=1 AND E_STYP=1),1,0)

Check_E_INJCT. Go to CHECK_HET_Behavioral_Eligibility.

CALC_E_INJCT.

E_INJCT Eligible: Injection signs or knowledge E_INJCT = if (E_INJSIG=1 OR (E_INJSIG=2 AND E_INJKNW=1),1,0)

Check_HET_Behavioral_Eligibility Go to INTRO_ES18.

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Behavioral Eligibility, NHBS-HET

Check_INTRO_ES17 If R male or female (ES9 EQ 1 or 2), go to INTRO_ES17.
If R NOT male or female (ES9 EQ 3, DK, or REF), go to CALC_E_VAS12.

INTRO_ES17. DISPLAY: "READ: The next questions are about having sex. Please remember your answers will be kept private."

ES17. Have you had sex with a [if R is male, fill with "woman"; if R is female, fill with "man"] in the past 12 months?

E_OPPSEX Eligibility: opposite sex partner, past 12 mos.

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

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

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

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

Check_ES17a. If R had sex with opposite-sex partner (ES17 EQ 1), go to ES17a.
Else, go to CALC_E_VAS12.

ES17a. **Did you have vaginal sex? By vaginal sex, I mean** [if R is male, fill with "you put your penis in her vagina"; if R is female, fill with "he put his penis in your vagina"].

E_VS12 Eligibility: Vaginal sex past 12mos

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

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

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

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

Check_ES17b. If R had vaginal sex (ES17a EQ 1), go to CALC_E_VAS12.
Else, go to ES17b.

ES17b. **Did you have anal sex? By anal sex, I mean** [if R is male, fill with "you put your penis in her anus or butt"; if R is female, fill with "he put his penis in your anus or butt"].

E_AS12 Eligibility: Anal sex past 12mos

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

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

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

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

Check_ES17conf. If R reported sex but neither vaginal nor anal sex with opposite sex partner (ES17 EQ 1 & ES17a EQ 0 & ES17b EQ 0), go to ES17conf.
Else, go to CALC_E_VAS12.

ES17conf. **So, in the last 12 months, you only had oral sex with a** [if R is male, fill with "woman"; if R is female, fill with "man"]?
Is that correct?

C_OS12 Eligibility: Oral sex confirmation only

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

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

Check_CALC_E_VAS12. If oral sex only NOT correct (ES17conf EQ 0), go back to ES17a.
Else, go to CALC_E_VAS12.

CALC_E_VAS12.**E_VAS12**

Eligibility: Opposite Sex
Partner, p 12mos

If (E_VS12 =DK or REF) & (E_AS12 =DK or REF), E_VAS12=9.
Else if (E_VS12 = 1 or E_AS12 = 1), E_VAS12 =1.
Else, E_VAS12 = 0.

Language ProficiencyNotes_LanguageProficiency See [Measure References](#).

INTRO_ES18. DISPLAY: "READ: The next questions are about languages you speak."

ES18. How well do you speak English?

[READ choices.]

ENGPCFY

English proficiency

Very well.....1.....

Well.....2.....

Not well.....3.....

Not at all.....4.....

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

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

ES19. How well do you speak Spanish?

[READ choices.]

SPNPFCY Spanish proficiency

Very well.....1.....

Well.....2.....

Not well.....3.....

Not at all.....4.....

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

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

Interviewer assessment, Pre-Interview**ES20a. INTERVIEWER: Is this person alert and capable of completing the survey in English or Spanish?**

E_CAP Eligibility: able to complete

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

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

Check_ES20b.	If R is not able to complete the survey, go to ES20b. Else, go to ES20c.
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ES20b. INTERVIEWER: Specify reason person not able to complete the interview: [CHECK ALL THAT APPLY.]

E_CAPA Eligibility: Reason not able to complete

E_CAPAA Not able to understand or consent

E_CAPAB Cannot speak and understand English or Spanish

ES20c. INTERVIEWER: Did your field supervisor tell you that this person cannot complete the survey for some other reason?

E_FS Eligibility: field supervisor reason

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

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

Check_ES20d.	If field supervisor stated that R is not able to complete the survey for some other reason (ES20c EQ 1) and MSM or IDU cycle (CYCLE EQ 1 OR 2), go to ES20d. If field supervisor stated that R is not able to complete the survey for some other reason (ES20c EQ 1) and HET cycle (CYCLE EQ 3), go to ES20e. Else, go to INTRO_Check_CALC_EL.
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ES20d. INTERVIEWER: Specify other reason person not able to complete the interview: [CHECK ALL THAT APPLY.]

E_FSMI Eligibility: cannot complete- MSM, IDU

E_FSMIA Known previous participant

E_FSMIB Reported age not plausible (<18 years old)

Check_ES20e.	Go to INTRO_Check_CALC_EL.
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ES20e. **INTERVIEWER: Specify other reason person not able to complete the interview: [CHECK ALL THAT APPLY.]**
E_FSHET Eligibility: cannot complete- HET
E_FSHETA Known previous participant
E_FSHETB Reported age not plausible (<18 years old)
E_FSHETC Reported age not plausible (>60 years old)

INTRO_Check_CALC_EL. DISPLAY: "READ: We've finished the first series of questions. Now the computer will determine whether you've been selected to participate in the survey."

Cycle Eligibility Calculation

Check_CALC_EL. If MSM cycle (CYCLE EQ 1), go to CALC_EL_MSM.
 If IDU cycle (CYCLE EQ 2), go to CALC_EL_IDU.
 If HET cycle (CYCLE EQ 3), go to CALC_EL_HET.

CALC_EL_MSM.

EL_MSM Eligible: MSM cycle

$$EL_MSM = \text{if}((DOB^=.DK \text{ AND } DOB^=.REF \text{ AND } \& \text{ AGE}>17 \& \text{ E_PART}=0 \& \text{ E_CITY}=1 \& \text{ E_CAP}=1 \& \text{ E_FS}=0 \& (\text{BIRTHSEX}=1 \& (\text{GNDRR7}=1 \text{ or } \text{GENDRR7}=3)) \text{ or } ((\text{BIRTHSEX}=2 \text{ or } \text{BIRTHSEX}=3) \& \text{GNDRR7}=1) \& \text{E_EVRMSM}=1), 1, 0)$$

CALC_EL_IDU.

EL_IDU Eligible: IDU cycle

$$EL_IDU = \text{if}((DOB^=.DK \& DOB^=.REF \& \text{ AGE}>17 \& \text{ E_PART}=0 \& \text{ E_CITY}=1 \& \text{ E_CAP}=1 \& \text{ E_FS}=0 \& \text{E_EVRINJ}=1 \& \text{E_INJ12}=1 \& \text{E_INJCT}=1), 1, 0)$$

CALC_EL_HET.

EL_HET Eligible: HET cycle

$$EL_HET = \text{if}((DOB^=.DK \& DOB^=.REF \& \text{ AGE}>17 \& \text{ AGE}<61 \& \text{ E_PART}=0 \& \text{ E_CITY}=1 \& \text{ E_CAP}=1 \& \text{ E_FS}=0 \& ((\text{BIRTHSEX}=1 \& \text{GNDRR7}=1) \text{ OR } (\text{BIRTHSEX}=2 \& \text{GNDRR7}=2)) \& (\text{E_VAS12}=1)), 1, 0)$$

CALC_ENDSCR.

ENDSCR Time eligibility screener ended ENDSR = Current time

END_ES. 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 END Section (END).

If R eligible for cycle (CYCLE EQ 1 & EL_MSM EQ 1) or (CYCLE EQ 2 & EL_IDU EQ 1) or (CYCLE EQ 3 & EL_HET EQ 1),
DISPLAY: "READ: Congratulations! The computer has selected you to participate in the health survey. Let me
tell you about it. [**INTERVIEWER:** Proceed with the consent process.]" Then go to Consent Section (CN).

