

Network Epidemiology of Syphilis Transmission (NEST)

Attachment 3

Questionnaire and Data Elements

Privacy Act Statement:

This information is collected under the authority of the Public Health Service Act, Section 301, "Research and Investigation," (42 U.S.C. 241); and Sections 304, 306 and 308(d) which discuss authority to maintain data and provide assurances of confidentiality for health research and related activities (42 U.S.C. 242 b, k, and m(d)). This information is also being collected in conjunction with the provisions of the Government Paperwork Elimination Act and the Paperwork Reduction Act (PRA). This information will only be used by the Centers for Disease Control and Prevention (CDC) staff to inform development of methodologies for collection of complex sexual network data among men at high risk for syphilis in the United States.

Public reporting burden of this collection of information is estimated to average 1.5 hours 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/ATSDR Reports Clearance Officer; 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; Attn: OMB-PRA (0920-new).

| Variable name | Data element | Description/Question | Response codes |
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| INT_1 | Date of interview | Date interview took place | Date; MMDDYYYY |
| INT_2 | Start time | Time that interview started (numeric component only; 12-hour time format) | Numeric; HH:MM (12-hour format) |
| INT_2a | Start time | Whether interview started at AM/PM | AM = 1 PM = 2 |
| INT_3 | Interview ID | Unique ID indicating the interview ID | Alphanumeric format |
| INT_4 | City Code | Three letter code indicating city in which interview is taking place | BAL = Baltimore CHI = Chicago COL = Columbus |
| INT_5 | Venue code | Three letter code indicating the specific venue where the interview is taking place | |
| INT_6 | Study visit number | Number indicating which study visit is taking place | Numeric |
| RR_1 | Coupon number | What is the serial number on the coupon given to you? | Alphanumeric format |

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| RR_1_REL | Recruiter relationship | Is the person who gave you this coupon a relative or family member? | 1 = Yes 2 = No |
| RR_1_SEX | Recruiter relationship | Is the person who gave you this coupon a person you have sex with? | 1 = Yes 2 = No |
| RR_1_FRI | Recruiter relationship | Is the person who gave you this coupon a friend? | 1 = Yes 2 = No |
| RR_1_DRU | Recruiter relationship | Is the person who gave you this coupon a person you use drugs with or buy drugs from? | 1 = Yes 2 = No |
| RR_1_ACQ | Recruiter relationship | Is the person who gave you this coupon an acquaintance? | 1 = Yes 2 = No |
| RR_1_STR | Recruiter relationship | Is the person who gave you this coupon a stranger? | 1 = Yes 2 = No |
| RR_1_REF | Recruiter relationship | Refuses to answer the question | 1 = Yes 2 = No |
| RR_1_DK | Recruiter relationship | Doesn't know | 1 = Yes 2 = No |
| CONF_1a | Confirmation message if recruiter is a stranger | Is the recruiter a stranger? | 1 = Recruiter is a stranger 2 = Recruiter is not a stranger |
| ES_1 | Age | How old are you? | Numeric |
| ES_2 | Prior participation | During [insert current year], did you already participate in at least part of this study that we are conducting? It could have been here or at one of our other | 1 = Yes 2 = No 77 = Refused 99 = Don't know |

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| | | locations. | |
| ES_3 | County of residence | What county do you currently live in or what is the zipcode of the neighborhood you currently live in? | Character (max length = 250 characters) |
| ES_4 | Sex on birth certificate | What was your sex on your original birth certificate? | 1 = Male 2 = Female 77 = Refused to answer 99 = Don't know |
| ES_5 | Gender identity | How do you describe your gender identity? | 1 = Male 2 = Female 3 = Male-to-female transgender (MTF) 4 = Female-to-male transgender (FTM) 5 = Other gender identity 77 = Refused to answer 99 = Don't know |
| ES_6 | Anal or oral sex in past 6 months | Have you had anal or oral sex with a man in the past 6 months? | 1 = Yes 2 = No 77 = Refused 99 = Don't know |
| CN_1_DECLINEA | Reason for declining participation in study | Is the reason you do want to do this study because you don't have time? | 1 = Yes 2 = No |
| CN_1_DECLINEB | Reason for declining participation in study | Is the reason you do want to do this study because you are already participating in another research study? | 1 = Yes 2 = No |
| CN_1_DECLINEC | Reason for declining participation in study | Is the reason you do want to do this study because you don't feel comfortable providing this type of personal information? | 1 = Yes 2 = No |
| CN_1_DECLINED | Reason for declining participation in study | Is the reason you do want to do this study because you don't feel comfortable with providing specimens for STI testing? | 1 = Yes 2 = No |
| CN_1_DECLINEE | Reason for declining participation in study | Is the reason you do want to do this study due to some other reason not listed here? | 1 = Yes 2 = No |
| CN_1_DECLINEF | Reason for decline: Time | Would you rather not say why you don't want to do this study? | 1 = Yes 2 = No |
| NS_1 | Network size | Thinking about your life today, how many people do you know who are men who have sex with men in [project area]? These men may or may not identify as gay, bisexual, or same gender loving | Numeric (range 0 to 9999) |

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| | | (SGL). (By “know”, I mean you know their name OR you see them around even if you don't know their name.)(If participant is not sure, ask them to provide their best guess or estimate). | |
| CONF_1a | Network size | “You said you don't know any men in [project area] who has sex with other men. Is this correct? (By ‘know,’ I mean you know their name OR you see them around even if you don't know their name.”) | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| DM_1 | Education | What is the highest level of education you completed? | 00 = Never attended school 01 = Grades 1 through 8 02 = Grades 9 through 11/ Some high school 03 = Grade 12/Completed high school/GED 04 = Some college, Associate's degree, or Technical Degree 05 = Bachelor's Degree 06 = Any postgraduate studies 77 = Refused to answer 99 = Don't know |
| DM_2 | Maternal education | What is the highest level of education your mother or primary maternal caretaker completed? | 00 = Never attended school 01 = Grades 1 through 8 02 = Grades 9 through 11/ Some high school 03 = Grade 12/Completed high school/GED 04 = Some college, Associate's degree, or Technical Degree 05 = Bachelor's Degree 06 = Any postgraduate studies 77 = Refused to answer 99 = Don't know |
| DM_3_FULL | Employment status | Are you employed full-time? | 1 = Yes 2 = No |
| DM_3_PART | Employment status | Are you employed part-time? | 1 = Yes 2 = No |
| DM_3_FULLSTUD | Employment status | Are you a full-time student? | 1 = Yes 2 = No |

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| DM_3_PARTSTUD | Employment status | Are you a part-time student? | 1 = Yes 2 = No |
| DM_3_SELFEMPLO | Employment status | Are you self-employed? | 1 = Yes 2 = No |
| DM_3_RETI | Employment status | Are you retired? | 1 = Yes 2 = No |
| DM_3_UNAB | Employment status | Are you unable to work for health reasons? | 1 = Yes 2 = No |
| DM_3_UNEM | Employment status | Are you unemployed? | 1 = Yes 2 = No |
| DM_3_SAHM | Employment status | Are you a homemaker or stay-at-home dad? | 1 = Yes 2 = No |
| DM_3_OTHE | Employment status | Other | 1 = Yes 2 = No |
| DM_3_REF | Employment status | Refused to answer | 1 = Yes 2 = No |
| DM_3_DK | Employment status | Don't know | 1 = Yes 2 = No |
| DM_3a | Employment | Please specify your current employment status | Character (max length = 250 characters) |
| DM_4 | Income | What was your income last year from all sources before taxes? | 1 = monthly" \$0-\$833/yearly: \$0-\$9,999 2 = monthly" \$834-\$1,250/yearly: \$10,000-\$14,499 3 = monthly: \$1,251-\$2,082/yearly: \$15,000-\$24,999 4 = monthly: \$1,251-\$2,082/yearly: \$15,000-\$24,999 |
| DM_5 | Sexual orientation | Which of the following best represents how you think of yourself? [CHECK ONLY ONE OPTION] | 1 = Gay (lesbian or gay) 2 = Straight, this is not gay (or lesbian or gay) 3 = Bisexual 4 = Something else 77 = Refused to answer 99 = Don't know |
| DM_5a | Sexual orientation | Please specify how you would describe your sexual orientation | Character (max length = 100 characters) |
| DM_6_AIAN | Race: AI/AN-American Indian or Alaskan Native | Does the patient identify as American Indian or Alaska Native? | 1 = Yes 2 = No |
| DM_6_ASIAN | Race: Asian | Does the patient identify as Asian? | 1 = Yes 2 = No |
| DM_6_NHOPI | Race: NH/PI-Native Hawaiian or Other Pacific Islander | Does the patient identify as Native Hawaiian or Pacific Islander? | 1 = Yes 2 = No |

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| DM_6_BLACK | Race: Black or African American | Does the patient identify as black or African-American? | 1 = Yes 2 = No |
| DM_6_WHITE | Race: White | Does the patient identify as white? | 1 = Yes 2 = No |
| DM_6_OTHER | Race: Other | Does the patient identify as another race not listed? | 1 = Yes 2 = No |
| DM_6_REF | Race: Refused | Refused to answer | 1 = Yes 2 = No |
| DM_6_DK | Race: Don't know | Don't know | 1 = Yes 2 = No |
| DM_7 | Ethnicity: Hispanic or Latino | Do you consider yourself Hispanic or Latino? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| DM_8_MARR | Relationship status | Are you currently in a monogamous relationship, married, or in a committed partnership, including civil union or domestic partnership? | 1 = Yes 2 = No |
| DM_8_LIVE | Relationship status | Do you currently live with your spouse or partner? | 1 = Yes 2 = No |
| DM_8_POLY | Relationship status | Do you currently have 2 or more intimate or romantic partners or are you currently in a polyamorous relationship? | 1 = Yes 2 = No |
| DM_8_NEVE | Relationship status | Have you never been married? | 1 = Yes 2 = No |
| DM_8_SING | Relationship status | Are you currently single or not in a committed partnership? | 1 = Yes 2 = No |
| DM_8_DIVO | Relationship status | Are you currently divorced or separated? | 1 = Yes 2 = No |
| DM_8_REF | Relationship status | Refused to answer | 1 = Yes 2 = No |
| DM_8_DK | Relationship status | Don't know | 1 = Yes 2 = No |
| DM_8a | Relationship status | Which form of polyamory best describes your current or most | 1 = Triad - Three people involved with each other |

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| | | recent relationship configuration? | (friendly or romantically) 2 = Triangle - Three people all involved romantically 3 = Vee - Four people being involved with the same person, but not each other 4 = Quad - Four people being involved with each other (be it friendly or romantically) 5 = Five or more people (such as an intimate network) arranged in any configuration 6 = Other 77 = Refused to answer 99 = Don't know |
| DM_8b | Relationship status | Which form of polyamory best describes your current or most recent relationship configuration? | Character (max length = 100 characters) |
| DM_9 | Homelessness | In the past 6 months, have you been homeless? By homeless, I mean you were living on the street, in a shelter, in a single room occupancy (SRO) hotel, with friends, in a car, or you haven't had a regular place to stay for at least one night in the past 6 months? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| DM_10 | Food insecurity | In the past 6 months, how often were you worried whether food would run out before you had money to buy more? | 1 = Often 2 = Sometimes 77 = Refused to answer 99 = Don't know |
| DM_11 | Incarceration | In the past 12 months, have you ever been locked up for more than 24 hours? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SX_1 | First anal sex with a man | How old were you the first time you had anal sex with a man? | Numeric |
| SX_2 | Male SP: Anal sex lifetime | How many men have you had anal sex with over your lifetime? | Numeric |

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| SX_3 | Male SP: Anal sex past 3 months | How many men have you had anal sex with in the past 3 months? | Numeric |
| SX_4 | Partner type | Do you consider yourself to be a top (insertive partner), bottom (receptive partner), or versatile (sometimes insertive, sometimes receptive partner)? | 1 = Top 2 = Bottom 3 = Versatile (sometimes top, sometimes a bottom) 77 = Refused to answer 99 = Don't know |
| SX_5 | Male SP: Performed oral sex ever | Have you given oral sex to a man in the past 12 months? By oral sex, I mean you put your mouth or tongue on a man's penis? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SX_5a | Male SP: Performed oral sex lifetime | How many men have you performed oral sex on in the past 3 months? By performing oral sex, I mean you put your mouth or tongue on a man's penis. | Numeric |
| SX_6 | Male SP: Received oral sex ever | Have you received oral sex from a man in the past 12 months? By performing oral sex, I mean he put his mouth or tongue on your penis. | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SX_6a | Male SP: Received oral sex ever | How many men have you received oral sex from over the past 3 months? By oral sex, I mean he put his mouth or his tongue on your penis or anus. | Numeric |
| SX_7 | Female SP: Vaginal sex or anal sex ever | Have you ever had vaginal or anal sex with a woman? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SX_7a | Female SP: Age at first sex with woman | How old were you the first time you had vaginal or anal sex with a woman? | Numeric |
| SX_7b_ORAL | Female SP: Type of sex in past 12 months | Have you had oral sex with a woman in the past 12 months? | 1 = Yes 2 = No |
| SX_7b_VAG | Female SP: Type of sex in past 12 months | Have you had vaginal sex with a woman in the past 12 months? | 1 = Yes 2 = No |

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| SX_7b_ANAL | Female SP: Type of sex in past 12 months | Have you had anal sex with a woman in the past 12 months? | 1 = Yes 2 = No |
| SX_7b_NONE | Female SP: Type of sex in SX_9b_NONE | Participant has not had any type of sex with a woman in the past 12 months | 1 = Yes 2 = No |
| SX_7b_REF | Female SP: Type of sex in SX_9b_NONE | Refused to answer | 1 = Yes 2 = No |
| SX_7b_DK | Female SP: Type of sex in SX_9b_NONE | Don't know | 1 = Yes 2 = No |
| SX_8 | Drug use before or during sex in past 3 months | How often do you use drugs before or during sex to make sex easier, last longer, or feel better? | 1 = Every time 2 = Most of the time 3 = Sometimes/occasionally 4 = Never 77 = Refused to answer 99 = Don't know |
| SX_8a_ALCO | Drug use before or during sex in past 3 months | Have you used alcohol before or during sex in the past 3 months? | 1 = Yes 2 = No |
| SX_8a_MARI | Drug use before or during sex in past 3 months | Have you used marijuana before or during sex in the past 3 months? | 1 = Yes 2 = No |
| SX_8a_COCA | Drug use before or during sex in past 3 months | Have you used crack/cocaine before or during sex in the past 3 months? | 1 = Yes 2 = No |
| SX_8a_SPEE | Drug use before or during sex in past 3 months | Have you used speedball before or during sex in the past 3 months? | 1 = Yes 2 = No |
| SX_8a_METH | Drug use before or during sex in past 3 months | Have you used methamphetamines before or during sex in the past 3 months? | 1 = Yes 2 = No |
| SX_8a_ECST | Drug use before or during sex in past 3 months | Have you used ecstasy, E, Molly, MDMA, GHB, or Special K before or during sex in the past 3 months? | 1 = Yes 2 = No |

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| SX_8a_PSYC | Drug use before or during sex in past 3 months | Have you used psychedelics before or during sex in the past 3 months? | 1 = Yes 2 = No |
| SX_8a_POPP | Drug use before or during sex in past 3 months | Have you used poppers or nitrates before or during sex in the past 3 months? | 1 = Yes 2 = No |
| SX_8a_PAIN | Drug use before or during sex in past 3 months | Have you used prescription pain killer (oxycodone or vicodin) before or during sex in the past 3 months? | 1 = Yes 2 = No |
| SX_8a_ERECT | Drug use before or during sex in past 3 months | Have you used prescribed erectile dysfunction medications before or during sex in the past 3 months? | 1 = Yes 2 = No |
| SX_8a_REF | Drug use before or during sex in past 3 months | Refused to answer | 1 = Yes 2 = No |
| SX_8a_DK | Drug use before or during sex in past 3 months | Don't know | 1 = Yes 2 = No |
| SX_9 | Exchange sex | In the past 12 months, have you had sex with a man or woman in exchange for money, drugs, or shelter? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SX_10 | Sexual behavior: Threesome | How many times in the past 3 months did you have sex with two people at the same place, like a threesome, or at a bathhouse or sex party? | Numeric |
| SX_11 | Sexual behavior: Group sex | How many times in the past 3 months did you engage in group sex? Group sex here refers to having sex with more than 2 partners at the same time or having sex in a space where more than 2 people are also having sex? | Numeric |
| EMA_1 | Anal sex | Did you have anal sex today | 1 = Yes 2 = No |

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| EMA_2 | Anal sex | With how many people did you have anal sex with today? | Numeric |
| EMA_3 | Anal sex | The last time you had anal sex today, where were you? | 1 = In the place I live 2 = In the place where my partner lives 3 = In a public indoor place (bar, club, etc.) 4 = In a public outdoor place (park, car, etc.) 5 = Other location |
| EMA_4 | Meet partner | Where did you first meet that partner? | 1 = Online 2 = In a bar or club 3 = At work 4 = Through friends |
| EMA_5 | Last time anal sex | The last time you had anal sex today, were you the top or the bottom? | 1 = Top 2 = Bottom 3 = Both |
| EMA_6 | Condom use | Was a condom used? | 1 = Yes 2 = No 3 = I don't know |
| EMA_7 | Oral sex | Did you have oral sex today? | 1 = Yes 2 = No |
| EMA_8 | Oral sex | With how many people? | Numeric |
| EMA_9 | Oral sex | The last time you had oral sex today, where were you? | 1 = In the place I live 2 = In the place where my partner lives 3 = In a public indoor place (bar, club, etc.) 4 = In a public outdoor place (park, car, etc.) 5 = Other location |
| EMA_10 | Oral sex | Where did you first meet that partner? | 1 = Online 2 = In a bar or club 3 = At work 4 = Through friends |

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| EMA_11 | Oral sex | Was a condom used? | 1 = Yes 2 = No 3 = I don't know |
| PARTNER_ID | Partner ID | Unique partner identifier for elicited sexual partners. | Alphanumeric ID |
| PARTNER_DATE_LAST_SEX | Date of last sex | Date of last sex with elicited sexual partners. | MM/DD/YYYY |
| SN_1 | Partner status check | I see you have not told me about this sex partner before. Is that correct? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SN_2 | Partner status check | Since this sex partner is not a new partner, when did you last tell me about this partner? | 1 = Visit 1 2 = Visit 2 3 = Visit 3 4 = Visit 4 5 = Visit 5 6 = Visit 6 7 = Visit 7 8 = Visit 8 77 = Refused to answer 99 = Don't know |
| SN_3 | Partner status check | So you last told me about this partner at the visit before this one? | 1 = Yes, partner is retained from prior visit 2 = No, partner was mentioned at least 2 visits prior to this one 77 = Refused to answer 99 = Don't know |
| SN_4 | Partner status check | At the last visit you told me about this partner. Have you had sex with this partner in the last three months? | 1 = Yes, this is a retained sex partner 2 = No, this is a former sex partner 77 = Refused to answer 99 = Don't know |
| SN_5 | Partner status check | Do you still hang out or meet up with this partner, as a friend? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SN_NEW_1_DD | New partner | When did you first have sex with this new partner? | DD |

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| SN_NEW_1_MM | New partner | When did you first have sex with this new partner? | MM |
| SN_NEW_1_YYYY | New partner | When did you first have sex with this new partner? | YYYY |
| SN_NEW_2 | New partner | How would you describe this new partner's your gender identity? | 1 = Male 2= Female 3 = Male-to-female transgender (MTF) 4 = 77 = Refused to answer 99 = Don't know |
| SN_NEW_3 | New partner | How old is this new partner? | Numeric |
| SN_NEW_4 | New partner | Is this new partner a main or casual partner? By "main partner" I mean a person you have sex with and who you feel committed to above anyone else. This is a partner you would call your boyfriend/girlfriend, husband/wife, significant other, or life partner. And by "casual partner" I mean a person you have sex (even if just one time) with but do not feel committed to or don't know very well. | 1 = Main partner 2= Casual partner 77 = Refused to answer 99 = Don't know |
| SN_NEW_5 | New partner | Where did you first meet this new partner? | 1 = Internet 2 = Mobile app (such as Grindr, Jackd or Scruff) 3 = Work 4 = School 4 = Bar/club 6 = Circuit party or rave 7 = Cruising area 8 = Adult bookstore 9 = Bath house, sex club, or sex resort 10 = private sex party 11 = place of worship (church, synagogue, or mosque) 12 = somewhere else |

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| | | | 77 = Refused to answer 99 = Don't know |
| SN_NEW_5a | New partner | Please specify where you first met this new partner? | Character (max length = 100 characters) |
| SN_MRP_1 | Most recent partner | When you had sex (anal or oral) the last time, did you exchange things like money, drugs , or shelter with this partner for sex? | 1 = Yes 2= No 77 = Refused to answer 99 = Don't know |
| SN_MRP_2 | Most recent partner | As far as you know, during the period of time you were having sex with this partner, was this partner also having sex with other people? | 1 = Definitely, yes 2= Probably, yes 3= Definitely not 4 = Probably not 77 = Refused to answer 99 = Don't know |
| SN_MRP_2a | Most recent partner | Do you know the persons that this partner was also having sex with? | 1 = Yes 2= No 77 = Refused to answer 99 = Don't know |
| SN_MRP_3 | Most recent partner | In the past three months, during the time you were having sex with this partner, did you have sex with other people? | 1 = Yes 2= No 77 = Refused to answer 99 = Don't know |
| SN_MRP_4 | Most recent partner | In the past three months, how many times have you had anal sex with this partner? | Numeric |
| SN_MRP_5 | Most recent partner | In the past three months, how many times have you had oral sex with this partner? | Numeric |
| SN_MRP_6 | Most recent partner | In the past three months, how many times have you had vaginal sex with this partner? | Numeric |
| SN_MRP_7_DD | Most recent partner | When was the last time you had anal sex with this partner? | DD |
| SN_MRP_7_MM | Most recent partner | When was the last time you had anal sex with this partner? | MM |

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| SN_MRP_7_YYYY | Most recent partner | When was the last time you had anal sex with this partner? | YYYY |
| SN_MRP_8_DD | Most recent partner | When was the last time you had vaginal sex with this partner? | DD |
| SN_MRP_8_MM | Most recent partner | When was the last time you had vaginal sex with this partner? | MM |
| SN_MRP_8_YYYY | Most recent partner | When was the last time you had vaginal sex with this partner? | YYYY |
| SN_MRP_9 | Most recent partner | The last time you had sex with this partner did you use a condom? | 1 = Yes 2= No 77 = Refused to answer 99 = Don't know |
| SN_MRP_10 | Most recent partner | What was this partner's HIV status? | 1 = HIV negative 2 = HIV positive 3 = Indeterminate 4 = I did not know their HIV status 77 = Refused to answer |
| SN_MRP_10a | Most recent partner | Was this partner taking antiretroviral medication for HIV? | 1 = Yes 2= No 77 = Refused to answer 99 = Don't know |
| SN_MRP_10b | Most recent partner | Was this partner taking PrEP? | 1 = Yes 2= No 77 = Refused to answer 99 = Don't know |
| SN_FP_1 | Former sex partner | Where do you hang out with this former partner? | 1 = Bar/club 2 = Work 3 = Social events 4 = Somewhere else 77 = Refused to answer 99 = Don't know |
| SN_FP_1a | Former sex partner | Please specify where you hang out with this former sex partner | Character (max length = 100 characters) |
| SM_1 | Sex partner meeting places | In the past 3 months, which physical places did you meet sex | Character (max length = 500 characters) |

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| | | partners (including individuals you might have initially met online)? | |
| SM_2 | Sex partner meeting places | In the past 3 months, which online places did you meet sex partners? These places may include social networking websites (such as Facebook), websites directed towards gay men (such as Manhunt), dating websites, or the use of mobile social applications (such as Grindr). | Character (max length = 500 characters) |
| SM_3 | Sex partner meeting places | In the past 3 months, how often have you used a mobile app to meet or pick-up a sex partner while at a physical venue? | 1 = More than once a day 2 = Once a day 3 = Less than once a day, but more than once a week 4 = Once a week 5 = Less than once a week, but more than once a month 6 = Once a month 7 = Less than once a month, but more than once a year 8 = Once a year 9 = Never 77 = Refused to answer 99 = Don't know |
| HA_1 | Health insurance | Do you currently have health insurance or health care coverage? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| HA_1a_EMPLOY | Type of health insurance | Do you currently have a private health plan through an employer? | 1 = Yes 2 = No |
| HA_1a_DIRECT | Type of health insurance | Do you currently have a private health plan that you purchased directly? | 1 = Yes 2 = No |
| HA_1a_MEDIC | Type of health insurance | Do you currently have health insurance through Medicaid or Medicare? | 1 = Yes 2 = No |

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| HA_1a_VETERAN | Type of health insurance | Do you currently have health insurance through Veterans administration coverage? | 1 = Yes 2 = No |
| HA_1a_OTHER | Type of health insurance | Do you currently have health insurance through some other health plan? | 1 = Yes 2 = No |
| HA_1a_REF | Type of health insurance | Refused to answer | 1 = Yes 2 = No |
| HA_1a_DK | Type of health insurance | Don't know | 1 = Yes 2 = No |
| HA_1b | Type of health insurance | Please specify the other type of health insurance plan you have coverage under. | Character (max length = 250 characters) |
| HA_2 | Time since last saw doctor | 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: | 1 = Within the last year 2 = More than 1 year ago, but less than 2 years ago 3 = 2 to 5 years ago 4 = More than 5 years ago 77 = Refused to answer 99 = Don't know |
| HA_3 | Afford medical care | During the past 12 months, was there any time you needed medical care but didn't get it because you couldn't afford it? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| HA_4 | Usual place for STD care in past 12 months | Where have you gone most often for STD-related healthcare in the past 12 months? | 1 = Private provider's office 2 = Community Health Center 3 = Health department clinic 4 = Emergency department 5 = Urgent care 6 = Pharmacy-based clinic 7 = HIV care provider 8 = Outreach mobile van 9 = Have not received STD or sexual healthcare in the past year 10 = Other |

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| | | | 77 = Refused to answer 99 = Don't know |
| HA_4a | Usual place for STD care in past 12 months | Please describe where you have gone most often in the past year for STD or sexual healthcare | Character (max length = 250 characters) |
| HA_5 | Time traveled to obtain sexual health services | How much time do you spend traveling (in one direction) to obtain sexual health services? | 1 = Less than 15 minutes 2 = 15 to 30 minutes 3 = 31 minutes to 1 hour 4 = 1 to 2 hours 5 = More than 2 hours 77 = Refused to answer 99 = Don't know |
| HA_6 | STD testing | In the past year, how many times did you get tested for STDs? | Numeric |
| HA_6a | Syphilis test offered | At any of those times you were seen were you offered a syphilis test? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| HA_6b | Syphilis diagnosis | Have you ever been diagnosed with syphilis? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| HA_6c | Syphilis diagnosis | Were you diagnosed with syphilis in the last 12 months? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SS_1a | Syphilis stage of diagnosis | What stage of syphilis was the patient diagnosed with in the past 12 months? | 1 = Primary 2 = Secondary 3 = Early latent (non-primary, non-secondary) 4 = Late latent 77= Refused to answer 99 = Unknown |
| SS_1b | Syphilis RPR | What was the patient's highest RPR titer recorded? | 1 = 1:1 2 = 1:2 3 = 1:4 4 = 1:8 5 = 1:16 6 = 1:32 7 = 1:64 8 = 1:128 9 = 1:256 10 = 1:512 |

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| | | | 11 = 1:1024 12 = > 1:1024 99 = Unknown |
| SS_1c | Syphilis serologic TPPA result | What was the patient's serologic TPPA result? | 1 = Reactive 2 = Nonreactive 3 = Not done 4 = Unsatisfactory |
| SS_1d | Syphilis serologic EIA result | What was the patient's serologic EIA result? | 1 = Reactive 2 = Nonreactive 3 = Not done 4 = Unsatisfactory |
| SS_1e | Syphilis serologic FTA-ABS result | What was the patient's serologic FTA-ABS result? | 1 = Reactive 2 = Nonreactive 3 = Not done 4 = Unsatisfactory |
| HA_7 | HIV test | Have you ever been tested for HIV? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| HA_7a | HIV test | Have you had an HIV test in the past 12 months? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| HA_7b | Last HIV test result | What was your last HIV test result? | 1 = Negative/ nonreactive 2 = Positive/reactive 3 = Indeterminate 4 = I have never been tested for HIV 77 = Refused to answer 99 = Don't know |
| HA_7c | HIV medical care | Are you currently receiving HIV medical care? Have you gone to see a doctor about your HIV diagnosis within the last 12 months? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| HA_8 | PrEP | Before today, have you ever heard of people who do not have HIV taking PrEP, the antiretroviral medicine taken every day for months or years to reduce the risk of getting HIV? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |

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| HA_8a | PrEP | In the past 12 months, have you had a discussion with a health care provider about taking PrEP? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| HA_8b | PrEP | In the past 12 months, when you discussed taking PrEP with a health care provider, did you receive a medicine or prescription for the medicine? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| HA_8c | PrEP | In the past 12 months, have you taken PrEP to reduce your risk of getting HIV? Here we are only referring to the times that you have taken PrEP every day for at least 2 months, not times when you may have taken antiretroviral medication for only a few days at a time. | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| HA_8d | PrEP | In the past 30 days, have you taken PrEP every day, almost every day, or less often? | 1 = Every day 2 = Almost every day 3 = Less than almost every day 4 = I did not take PrEP within the last 30 days 77 = Refused to answer 99 = Don't know |
| HA_9 | PrEP | How many people do you know who are currently taking PrEP? | Numeric |
| HA_10 | PEP | In the past 12 months, have you taken PEP to reduce the risk of getting HIV? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| ST_1 | Syphilis test since last study visit | In the past 3 months, since your last study visit have you been diagnosed with syphilis? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| ST_2 | Gonorrhea diagnosis since last study visit | In the past 3 months, since your last study visit were you diagnosed with gonorrhea? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| ST_3 | Chlamydia diagnosis since last study visit | In the past 3 months, since your last study visit were you diagnosed with chlamydia? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |

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| ST_4 | Symptoms in last 3 months | In the last 3 months have you noticed a new rash on your body? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| ST_4a_FACE | Symptoms in last 3 months | Have you noticed a rash on your face in the past 3 months? | 1 = Yes 2 = No |
| ST_4a_ARMS | Symptoms in last 3 months | Have you noticed a rash on your arms in the past 3 months? | 1 = Yes 2 = No |
| ST_4a_HAND | Symptoms in last 3 months | Have you noticed a rash on your hands in the past 3 months? | 1 = Yes 2 = No |
| ST_4a_CHEST | Symptoms in last 3 months | Have you noticed a rash on your chest in the past 3 months? | 1 = Yes 2 = No |
| ST_4a_BACK | Symptoms in last 3 months | Have you noticed a rash on your back in the past 3 months? | 1 = Yes 2 = No |
| ST_4a_STOM | Symptoms in last 3 months | Have you noticed a rash on your stomach in the past 3 months? | 1 = Yes 2 = No |
| ST_4a_LEGS | Symptoms in last 3 months | Have you noticed a rash on your legs in the past 3 months? | 1 = Yes 2 = No |
| ST_4a_FEET | Symptoms in last 3 months | Have you noticed a rash on the soles of your feet in the past 3 months? | 1 = Yes 2 = No |
| ST_4a_REF | Symptoms in last 3 months | Refused to answer | 1 = Yes 2 = No |
| ST_4a_DK | Symptoms in last 3 months | Don't know | 1 = Yes 2 = No |

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| ST_5 | Symptoms in last 3 months | In the last 3 months, have you noticed any lumps or bumps in your neck, armpits or groin area? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| ST_6 | Symptoms in last 3 months | In the last 3 months, have you noticed any ulcers (open wounds) on your penis or anus (butt), or in your mouth or on your tongue? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| ST_7 | Symptoms in last 3 months | In the last 3 months, have you noticed any difficulty seeing such as blurry vision, decreased vision or dark spots? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| ST_8 | Symptoms in last 3 months | In the last 3 months, have you noticed new hair loss or feel that your hair is falling out? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| ST_9 | Symptoms in last 3 months | In the last 3 months, have you noticed decreased hearing, ringing in your ears or times when you feel like the room is spinning around you (vertigo)? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| ST_10 | Symptoms in last 3 months | In the last 3 months have you noticed any new problems with your memory or had problems remembering things? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| ST_11 | Symptoms in last 3 months | In the last 3 months have you noticed any weakness or numbness (loss of feeling) in your arms or legs or have you had problems walking? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SR_1 | Syphilis test algorithm | Which testing algorithm was used to test for syphilis? | 1 = Traditional 2 = Reverse 99 = Unknown |
| SR_2 | RPR/VDRL titer | What was the RPR or VDRL titer result? | 0 = Nonreactive/Negative 1 = 1:1 2 = 1:2 3 = 1:4 4 = 1:8 5 = 1:16 6 = 1:32 7 = 1:64 8 = 1:128 9 = 1:256 10 = 1:512 11 = 1:1024 12 = > 1:1024 |

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| | | | 99 = Unknown |
| SR_2a | RPR/VDRL test date | When was the RPR or VDRL test conducted? | Date [MM/DD/YYYY] |
| SR_3 | Serologic TP-PA result | What was the patient's serologic TP-PA result? | 1 = Reactive/Positive 2 = Nonreactive/ Negative 3 = Indeterminate/Invalid 4 = Not done 99 = Unknown |
| SR_3a | Serologic TP-PA test date | When was the TP-PA test conducted? | Date [MM/DD/YYYY] |
| SR_4 | Serologic EIA result | What was the patient's serologic EIA result? | 1 = Reactive/Positive 2 = Nonreactive/ Negative 3 = Indeterminate/Invalid 4 = Not done 99 = Unknown |
| SR_4a | Serologic EIA test date | When was the EIA test conducted? | Date [MM/DD/YYYY] |
| SR_5 | Serologic FTA-ABS result | What was the patient's serologic FTA-ABS result? | 1 = Reactive/Positive 2 = Nonreactive/ Negative 3 = Indeterminate/Invalid 4 = Not done 99 = Unknown |
| SR_5a | Serologic FTA-ABS test date | When was the FTA-ABS test conducted? | Date [MM/DD/YYYY] |
| SR_6 | Serologic CIA result | What was the patient's serologic CIA result? | 1 = Reactive/Positive 2 = Nonreactive/ Negative 3 = Indeterminate/Invalid 4 = Not done 99 = Unknown |
| SR_6a | Serologic CIA test date | When was the CIA test conducted? | Date [MM/DD/YYYY] |
| SR_7 | Serologic MHA-TP result | What was the patient's serologic MHA-TP result? | 1 = Reactive/Positive 2 = Nonreactive/ Negative 3 = Indeterminate/Invalid 4 = Not done 99 = Unknown |

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| SR_7a | Serologic MHA-TP test date | When was the MHA-TP test conducted? | Date [MM/DD/YYYY] |
| SR_8 | Screening treponemal test | Which treponemal antibody test was used to screen for syphilis? | 1 = TP-PA 2 = FTA_ABS 3 = EIA 4 = CIA 5 = MHA-TP 6 = Other 99 = Unknown |
| SR_8a | Screening treponemal test | Please specify which treponemal antibody test was used to screen for syphilis | Character (max length = 100 characters) |
| SR_9 | Confirmatory treponemal test | Which treponemal test was used as a confirmatory test? | 1 = TP-PA 2 = FTA_ABS 3 = EIA 4 = CIA 5 = MHA-TP 6 = Other 7 = Not done 99 = Unknown |
| SR_9a | Confirmatory treponemal test | Please specify which treponemal antibody test was used to confirm syphilis. | Character (max length = 100 characters) |
| SR_10 | Stage of syphilis | What stage of syphilis was the patient diagnosed with? | 0 = Not diagnosed with syphilis 1 = Primary 2 = Secondary 3 = Early latent 4 = Late latent 99 = Unknown |
| SR_11 | Chlamydia | What was the rectal chlamydial test result? | 1 = Reactive/Positive 2 = Nonreactive/Negative 3 = Indeterminate/Invalid 4 = Not done 99 = Unknown |
| SR_12 | Chlamydia | What was the oropharyngeal chlamydial test result? | 1 = Reactive/Positive 2 = Nonreactive/Negative 3 = Indeterminate/Invalid 4 = Not done 99 = Unknown |
| SR_13 | Chlamydia | What was the urine chlamydial test result? | 1 = Reactive/Positive 2 = Nonreactive/Negative 3 = Indeterminate/Invalid 4 = Not done |

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| | | | 99 = Unknown |
| SR_14 | Gonorrhea | What was the rectal gonococcal test result? | 1 = Reactive/Positive 2 = Nonreactive/Negative 3 = Indeterminate/Invalid 4 = Not done 99 = Unknown |
| SR_15 | Gonorrhea | What was the oropharyngeal gonococcal test result? | 1 = Reactive/Positive 2 = Nonreactive/Negative 3 = Indeterminate/Invalid 4 = Not done 99 = Unknown |
| SR_16 | Gonorrhea | What was the urine gonococcal test result? | 1 = Reactive/Positive 2 = Nonreactive/Negative 3 = Indeterminate/Invalid 4 = Not done 99 = Unknown |
| SR_17 | HIV | What was the HIV test result? | 1 = Reactive/Positive 2 = Nonreactive/Negative 3 = Indeterminate/Invalid 4 = Not done 99 = Unknown |
| SR_17a | HIV | When was the HIV test conducted? | Date [MM/DD/YYYY] |
| SR_17b | HIV | Why was the participant not tested for HIV at this study visit? | 1 = Previous HIV positive, not retested 2 = Participant refused HIV testing 3 = Other 99 = Unknown |
| SR_17c | HIV | Please specify why the participant was not tested for HIV at this study visit. | Character (max length = 250 characters) |
| SO_1a | Stigma/discrimination | During the past 12 months, have you been called names or insulted because someone knew or assumed you were attracted to men? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SO_1b | Stigma/discrimination | During the past 12 months, have you received poorer services than other people in restaurants, stores, other businesses or agencies because someone knew or assumed you were attracted to men? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SO_1c | Stigma/discrimination | During the past 12 months, have | 1 = Yes |

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| | | you been treated unfairly at work or school because someone knew or assumed you were attracted to men? | 2 = No 77 = Refused to answer 99 = Don't know |
| SO_1d | Stigma/discrimination | During the past 12 months, have you been denied or given lower quality health care because someone knew or assumed you were attracted to men? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SO_1e | Stigma/discrimination | During the past 12 months, have you been physically attacked or injured because someone knew or assumed you were attracted to men? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SO_2 | Social experiences | In the past 12 months, how often have you gone to a place where gay or bisexual men hangout, meet or socialize? These could include bars, clubs, social organizations, parks, gay businesses, bookstores, sex clubs etc. | 1 = Never 2 = More than once a day 3 = Daily 4 = More than once a week, but less than daily 5 = Weekly 6 = More than once a month, but less than weekly 7 = Monthly 8 = Less than once a month 77 = Refused to answer 99 = Don't know |
| SO_3 | Social experiences | In the past 12 months, how often have you used the internet to meet or socialize with gay men? This includes visiting social network websites (such as Facebook or Snapchat), websites directed towards gay men (such as Manhunt or Gay.com), dating websites, or the use of mobile social applications (such as Jack'd or Grindr). | 1 = Never 2 = More than once a day 3 = Daily 4 = More than once a week, but less than daily 5 = Weekly 6 = More than once a month, but less than weekly 7 = Monthly 8 = Less than once a month 77 = Refused to answer 99 = Don't know |
| SU_1 | Substance use: Injection drug use | Have you ever in your life shot up or injected drugs that were NOT prescribed for you? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SU_1a | Substance use: Injection drug use | In the past 12 months, on average, how often did you inject? | 1 = Never 2 = More than once a day 3 = Daily |

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| | | | 4 = More than once a week, but less than daily 5 = Weekly 6 = More than once a month, but less than weekly 7 = Monthly 8 = Less than once a month 77 = Refused to answer 99 = Don't know |
| SU1b_SPEED | Substance use: Injection drug use | Have you injected speedball (heroin and cocaine together) in the past 12 months? | 1 = Yes 2 = No |
| SU1b_HERO | Substance use: Injection drug use | Have you injected heroin by itself in the past 12 months? | 1 = Yes 2 = No |
| SU1b_COCA | Substance use: Injection drug use | Have you injected cocaine by itself in the past 12 months? | 1 = Yes 2 = No |
| SU1b_METH | Substance use: Injection drug use | Have you injected crystal meth (tina, crank, ice) in the past 12 months? | 1 = Yes 2 = No |
| SU1b_PAIN | Substance use: Injection drug use | Have you injected painkillers (Oxycontin, Vicodin, Percocet) in the past 12 months? | 1 = Yes 2 = No |
| SU1b_ELSE | Substance use: Injection drug use | Have you injected something else in the past 12 months? | 1 = Yes 2 = No |
| SU1b_REF | Substance use: Injection drug use | Refused to answer the | 1 = Yes 2 = No |
| SU1b_DK | Substance use: Injection drug use | Don't know | 1 = Yes 2 = No |
| SU_1c | Substance use: Injection drug use | Which of the following drugs did you inject most often? | 1 = Speedball—heroin and cocaine together 2 = heroin by itself |

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| | | | 3 = cocaine by itself 4 = crystal meth (tina, crank, ice) 5 = painkillers (Oxycontin, Vicodin, Percocet) 6 = something else 77 = refused to answer 99 = don't know |
| SU_1d | Substance use: Injection drug use | Please specify which drug you inject most often. | Character (max length = 100 characters) |
| SU_2 | Substance use: Non-injection drug use | In the past 12 months, have you used any non-injection drugs (drugs you did not inject) other than those prescribed for you? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| SU2a_MAR | Substance use: Non-injection drug use | In the past 12 months, have you used marijuana? | 1 = Yes 2 = No |
| SU2a_COCA | Substance use: Non-injection drug use | In the past 12 months, have you used powdered cocaine (smoked or snorted)? | 1 = Yes 2 = No |
| SU2a_CRA | Substance use: Non-injection drug use | In the past 12 months, have you used crack cocaine? | 1 = Yes 2 = No |
| SU2a_POP | Substance use: Non-injection drug use | In the past 12 months, have you used poppers (amyl nitrate)? | 1 = Yes 2 = No |
| SU2a_ECS | Substance use: Non-injection drug use | In the past 12 months, have you used X or Ecstasy? | 1 = Yes 2 = No |
| SU2a_OXY | Substance use: Non-injection drug use | In the past 12 months, have you used painkiller (Oxycontin, Vicodin, Percocet)? | 1 = Yes 2 = No |
| SU2a_VAL | Substance use: Non-injection drug use | In the past 12 months, have you used downers (Valium, Ativan, Xanax)? | 1 = Yes 2 = No |

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| SU2a_CRY | Substance use: Non-injection drug use | In the past 12 months, have you used crystal meth (tina, crank, ice)? | 1 = Yes 2 = No |
| SU2a_LSD | Substance use: Non-injection drug use | In the past 12 months, have you used hallucinogens (LSD, mushrooms)? | 1 = Yes 2 = No |
| SU2a_KET | Substance use: Non-injection drug use | In the past 12 months, have you used Special K (ketamine)? | 1 = Yes 2 = No |
| SU2a_GHB | Substance use: Non-injection drug use | In the past 12 months, have you used GHB? | 1 = Yes 2 = No |
| SU2a_OTH | Substance use: Non-injection drug use | In the past 12 months, have you used something else? | 1 = Yes 2 = No |
| SU2a_REF | Substance use: Non-injection drug use | Refused to answer | 1 = Yes 2 = No |
| SU2a_DK | Substance use: Non-injection drug use | Don't know | 1 = Yes 2 = No |
| SU_2b | Substance use: Non-injection drug use | Please specify which other drugs you've used | Character (max length = 100 characters) |
| SU_3 | Alcohol use | How often do you have a drink containing alcohol? | 1 = Never 2 = Monthly or less 3 = 2-4 times a month 4 = 2-3 times a week 5 = 4 or more times a week 77 = Refused to answer 99 = Don't know |
| SU_3a | Alcohol use | How many standard drinks containing alcohol do you have on a typical day? | 1 = none 2 = 1 or 2 3 = 3 or 4 4 = 5 or 6 5 = 7 or 9 6 = 10 or more |

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| | | | 77 = Refused to answer 99 = Don't know |
| PA_1 | PrEP attitudes | Have you ever considered PrEP as a way of reducing your chances of getting HIV? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| PA_2 | PrEP attitudes | How willing are you to take PrEP every day to lower your chances of getting HIV? | 1 = I am currently on PrEP 2 = I am not currently on PrEP, but very willing to take PrEP every day 3 = I am not currently on PrEP, but very somewhat willing to take PrEP every day 4 = I am not currently on PrEP, and neutral about taking PrEP every day 5 = I am not currently on PrEP and I am not very willing to take PrEP every day 6 = I am not currently on PrEP and I am not willing at all to take PrEP every day 77 = Refused to answer 99 = Don't know |
| PA_3 | PrEP attitudes | Having to take a pill every day is difficult | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |
| PA_4 | PrEP attitudes | People will judge me for taking PrEP | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |
| PA_5 | PrEP attitudes | I am concerned about the side effects of PrEP | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree |

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| | | | 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |
| PA_6 | PrEP attitudes | I am cautious when dealing with healthcare organizations | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |
| PA_7 | PrEP attitudes | I cannot afford the financial costs of PrEP | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |
| PA_8 | PrEP attitudes | PrEP is for people who have riskier sex lives than I do | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |
| PA_9 | PrEP attitudes | PrEP is not available for people like me | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |
| PA_10 | PrEP attitudes | Taking PrEP would make me more comfortable having sex without a condom | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |

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| PA_11 | PrEP attitudes | Taking PrEP would make me feel less anxious about sex | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |
| PA_12 | PrEP attitudes | My friends think I should take PrEP | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |
| PA_13 | PrEP attitudes | If someone saw me taking medication, they would think I have HIV | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |
| PA_14 | PrEP attitudes | I have a medical provider I can talk with about PrEP | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |
| PA_15 | PrEP attitudes | I know where I can go for a PrEP prescription if I want one | 1 = Strongly agree 2 = Agree 3 = Neither agree or disagree 4 = Disagree 5 = Strongly disagree 77 = Refused to answer 99 = Don't know |

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| PA_16 | PrEP attitudes | Have you ever started PrEP and later decided to stop being on PrEP? | 1 = Yes 2 = No 77 = Refused to answer 99 = Don't know |
| PA16a_FORGOT | PrEP attitudes | Did you decide to stop being on PrEP because you did not remember to take the pills? | 1 = Yes 2 = No |
| PA17a_COST | PrEP attitudes | Did you decide to stop being on PrEP because you were unable to afford the PrEP prescription? | 1 = Yes 2 = No |
| PA17a_NORISK | PrEP attitudes | Did you decide to stop being on PrEP because you were not having risky sex during that time? | 1 = Yes 2 = No |
| PA17a_CONDOM | PrEP attitudes | Did you decide to stop being on PrEP because you were using other strategies to lower your HIV risk (e.g., using condoms)? | 1 = Yes 2 = No |
| PA17a_REFILL | PrEP attitudes | Did you decide to stop being on PrEP because forgot to refill your PrEP prescription? | 1 = Yes 2 = No |
| PA17a_DOCTOR | PrEP attitudes | Did you decide to stop being on PrEP because you were unable to go to your PrEP doctor or provider? | 1 = Yes 2 = No |
| PA17a_EFFECT | PrEP attitudes | Did you decide to stop being on PrEP because you were concerned about long-term effects of PrEP on your health? | 1 = Yes 2 = No |
| PA17a_SIDE | PrEP attitudes | Did you decide to stop being on PrEP because you had a problem with side effects? | 1 = Yes 2 = No |
| PA17a_JUDGE | PrEP attitudes | Did you decide to stop being on PrEP because you were concerned that your family or friends would judge you? | 1 = Yes 2 = No |
| PA17a_PART | PrEP attitudes | Did you decide to stop being on PrEP because your partner did not want you to take PrEP? | 1 = Yes 2 = No |
| PA17a_CHEAT | PrEP attitudes | Did you decide to stop being on | 1 = Yes |

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| | | PrEP because you were concerned that your partner would think you were cheating on him/her? | 2 = No |
| PA17a_REF | PrEP attitudes | Refused to answer | 1 = Yes 2 = No |
| PA17a_DK | PrEP attitudes | Don't know | 1 = Yes 2 = No |