

**Assessment of the Feasibility of a National HIV
Behavioral Surveillance System for Young Men Who
Have Sex with Men (NHBS-YMSM)**

Protocol



NCHHSTP/DHAP-SE/BCSB

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1.1 Justification for and Purpose of the National HIV Behavioral Surveillance System for Young Men Who Have Sex with Men (NHBS-YMSM)

1.1a HIV among young gay, bisexual, and other young men who have sex with men (MSM) in the United States

More than 30 years since the first reported cases of AIDS, HIV infection continues to exact a tremendous toll in the United States. CDC estimates that approximately 50,000 new HIV infections occur each year and 1.2 million Americans are living with HIV in this country [1, 2]. MSM, particularly those who are young and from a minority racial or ethnic group, remain disproportionately affected by HIV. Between 2008 and 2010, there was a 12% increase in new infections among MSM overall, driven by a 22% increase among MSM aged 13-24 years. This risk was especially notable for young black MSM. In 2010, the greatest number of new infections among MSM occurred in black MSM aged 13-24 years. Young black MSM accounted for 45% of new HIV infections among black MSM and 55 % of new HIV infections among young MSM overall [3].

Data from the National HIV Behavioral Surveillance System (NHBS) among MSM in 2011 shows a high prevalence of HIV among young black MSM. In the 18-19 year age group, 13% of black MSM were HIV-positive compared to only 2% of white MSM. In the 20-24 year age group, 24% of black MSM were HIV-positive compared to 5% of white MSM. Although the timing of infection relative to diagnosis is often unclear, if asymptomatic, many individuals are not diagnosed until years after they are infected. The high prevalence of infection in these young adults suggests that at least some of these infections may have occurred during the adolescent years.

1.1b Dearth of research among young MSM

NHBS is CDC's ongoing national HIV behavioral surveillance system, the purpose of which is to monitor the prevalence of and trends in behaviors that lead to acquisition of HIV infection. NHBS currently monitors the risk behaviors of three populations at high risk for HIV infection: adult MSM, injection drug users, and heterosexuals. However, there is presently no surveillance system to monitor risk behaviors among MSM under the age of 18 years. CDC's previous survey of young MSM, The Young Men's Survey (YMS) which employed venue-based sampling of young MSM between the ages of 15-22 years over a four-year period, was conducted more than 15 years ago, enrolling 644 MSM aged

15-17 years across seven sites. Other existing surveillance systems funded by CDC that focus on youth, such as the Youth Risk Behavior Surveillance System (YRBSS) do not specifically target MSM. The majority of other studies of MSM focus on men older than 18 years [4], whereas the few that focus on MSM under age 18 have relied on relatively small samples with unknown representativeness, including convenience samples, snowball samples, or samples recruited from specific locations frequented by young MSM to access HIV-related services [5].

1.1c Challenges with obtaining probability samples of young MSM

One of the goals of NHBS is to inform prevention strategies for the communities most affected by HIV in the United States. Therefore, probability samples are desired to be able to make inferences to the target population. However, sampling constraints have plagued research on young MSM for decades because there is no established sampling frame to determine external validity. Whether sampling methods that are most often used with adult MSM (e.g., venue-based sampling) will be effective with young MSM is unknown. There are several factors that present challenges to sampling young MSM. Many large scale studies of youth populations, including CDC's own YRBSS, use school-based sampling methods. However, school-based sampling is not an option under consideration for this pilot study because of the challenges of accessing schools for a project focused on HIV behavioral surveillance among young MSM as well as the difficulty in identifying the target population within the school environment. Although these representative school-based samples have included a few questions about sexual orientation or same-sex behaviors [6, 7], they have focused predominantly on health concerns other than HIV.

Sampling youth outside of school settings, particularly youth who are members of marginalized or stigmatized groups is also challenging given the "hidden" nature of these groups. For example, very few venues exist where young MSM congregate and where study recruitment can take place. Moreover, venues catering to adult MSM often explicitly prohibit persons under age 18 from entering, thus adult MSM venues are not appropriate places from which to recruit young MSM. Also, given the stigmatized nature of same-sex sexual behavior, identity, or attraction among youth, young MSM may be less likely than adult MSM to form communities centered on these shared characteristics or disclose their status as young MSM to their peers. Therefore, they may be less connected to other MSM when compared to adult MSM. Young MSM are also at an earlier developmental stage both in a general sense and with respect to their sexuality than adult MSM, and may or may not have come to terms with or disclosed same-sex identity, behavior, or attraction to peers, family members, or other adults in their lives. Because of these factors, novel approaches to sampling and recruitment may be necessary to effectively reach this population.

1.1d Studies among older MSM are insufficient to address the growing HIV epidemic among younger MSM

Research with adolescent and emerging adult MSM is necessary to address the growing HIV epidemic in this population; inferring results of studies of older MSM to young MSM is insufficient for a number

of reasons. First, in the United States, there are typically significant developmental changes in one's life around age 18 [8]. At this time, many young people move out of their parents' homes and other important life transitions are occurring. Second, brain development continues through late adolescence, and capacities for behavioral and emotional regulation are still relatively immature [9]. Similarly, owing to brain development, drug and alcohol consumption during adolescence can have differential and more deleterious effects on behavior and brain injury than consumption in adulthood [10]. Third, recall of past sexual events is subject to a number of forms of recall bias, and retrospective accounts from older MSM may be biased. Fourth, the rapid change in the social status of homosexuality [11] means even accurate retrospective reports of an adult may not match the current experiences of an adolescent. These developmental factors and limitations of using older MSM to understand risk behaviors in adolescence suggest that accurately understanding risk and resiliency processes in young MSM requires the inclusion of participants under the age of 18.

1.1e The NHBS-YMSM Pilot Project

To advance the prevention goals of the National HIV/AIDS strategy (NHAS) and maximize the effectiveness of current HIV prevention methods, CDC pursues a High-Impact Prevention approach [12]. This approach aims to increase the impact of HIV prevention efforts by using effective interventions and directing resources to populations and geographic areas where the HIV burden is the highest. Based on the data described above, in order to reduce HIV transmission among MSM, especially black MSM, prevention efforts must also include gay and bisexual youth. Effective surveillance data, including behavioral surveillance data, are essential for understanding the burden of HIV infection, the behaviors that are placing young MSM at increased risk, and the current use or lack of use of testing and prevention services. The shortage of research among young MSM relative to other MSM limits our ability to effectively address disparities in HIV infection.

In light of these issues, the NHBS-YMSM pilot will serve as a formative assessment of the feasibility of a national HIV behavior surveillance system for young MSM, and is designed to identify the most appropriate method(s) for sampling MSM 13 to 18 years of age. The information collected on young MSM from this pilot will be used to decide whether ongoing monitoring of this population should be conducted and if so, whether to incorporate this age group into the adult NHBS-MSM cycle or establish an additional NHBS cycle.

1.1f Special considerations for NHBS-YMSM participants

Conducting HIV research among young MSM presents a unique set of human subjects-related challenges. To begin to address these challenges, Chapter 11 of this protocol summarizes the potential risks and anticipated benefits of participation in NHBS-YMSM as well as the safeguards implemented to minimize these risks. These safeguards include anonymity and privacy protections, the utilization of youth advocates as an alternative mechanism for protecting study participants, and developing procedures for actively linking HIV-positive participants to medical care and supportive services.

This protocol will be reviewed by CDC as non-engaged research and will have full review from the local IRBs at the three participating sites. The local IRBs all have experience reviewing adolescent-focused research and have a long-standing history of ensuring respect for human subjects in research protocols.

1.2 Collaborating Agencies

NHBS-YMSM funding was awarded in July 2012 under the program announcement PS11-0010201SUPP12. Eligibility for NHBS-YMSM was limited to the 20 state or local health departments currently funded for NHBS under PS11-001¹ and was funded in order of AIDS prevalence (see *Appendix A* for the 20 NHBS sites in order of AIDS prevalence).

To ensure that NHBS covers the geographic areas of the United States most impacted by the HIV epidemic, NHBS project sites include state and local health departments in areas with the highest AIDS prevalence. These 20 MSAs/Divisions represent the majority of all persons living with AIDS in large MSAs (population $\geq 500,000$) in the United States at the end of 2008 [13].

The grantees funded for NHBS-YMSM are the city health departments within the following Divisions of Metropolitan Statistical Areas (MSAs): Chicago, IL (Chicago Division); New York City, NY (New York Division); Philadelphia, PA (Philadelphia Division).

1.3 Responsibilities

The CDC investigators are principally responsible for writing the protocol and supporting appendices and will provide technical assistance to the local project sites during implementation. The local NHBS-YMSM investigators will: 1) assist with the creation of the protocol, 2) implement the project using the methods described, and 3) submit data to CDC in a timely manner.

1.4 Objectives

The objectives of this project are the following:

¹ Atlanta, Georgia; Baltimore, Maryland; Boston, Massachusetts; Chicago, Illinois; Dallas, Texas; Denver, Colorado; Detroit, Michigan; Houston, Texas; Los Angeles, California; Miami, Florida; Nassau, New York; Newark, New Jersey; New Orleans, Louisiana; New York City, New York; Philadelphia, Pennsylvania; San Diego, California; San Francisco, California; San Juan, Puerto Rico; Seattle, Washington; and Washington, District of Columbia.

- 1) To determine the most effective sampling method(s) to reach MSM between 13 and 18 years of age, measured by the likelihood of each method achieving the desired sample size during the data collection period.
- 2) To ascertain the feasibility of implementing each sampling method, measured by several factors including the organizational, technical, and operational challenges associated with each method, implementation costs, and the acceptability of each method among the target population.
- 3) To evaluate the need to conduct ongoing HIV surveillance among MSM between 13 and 18 years of age by examining data related to HIV risk behaviors, HIV seroprevalence, HIV incidence, and other HIV-related outcomes.

1.5 General Approach

Based on a review of the relevant literature and consultation with a number of subject-matter experts, three sampling methods were selected to be evaluated for their effectiveness in reaching young MSM to conduct a behavioral assessment and HIV testing: respondent-driven sampling (RDS), venue-based sampling (VBS), and Facebook sampling (FBS). RDS is used in the injection drug user (NHBS-IDU) and heterosexual (NHBS-HET) cycles of NHBS and VBS is currently used in the NHBS-MSM cycle. FBS represents a new recruitment method for NHBS. The target population for this formative study will be males aged 13 to 18 years, who have ever had any sexual contact with another male or self-identify as gay or bisexual or report same-sex sexual attraction.

RDS is a modified chain-referral strategy similar to snowball sampling. RDS starts with a limited number (5-10) of “seeds” or individuals who meet all eligibility criteria for NHBS-YMSM and serve as the starting point for chain-referral sampling. Seeds are chosen by referrals from people who know the local young MSM, or by staff doing outreach in areas identified through preliminary research. These seeds complete the eligibility screener, behavioral assessment, and optional HIV testing, and are then asked to recruit up to 5 other young men they know who also meet the eligibility criteria for NHBS-YMSM (i.e., individuals in their social network). This recruitment process continues until the sample size has been reached. RDS has been found effective for recruiting populations that are “hidden” and that are connected by social networks and ties [14]. It has also been used successfully to recruit youth for several research studies [15-17].

VBS is a sampling strategy that utilizes venues (e.g., clubs, organizations, street locations) within the MSA to obtain the desired sample. In each project site, a team of staff members familiar with the community conduct preliminary research to construct an initial “universe” of venues frequented by young MSM. Staff then assess the venues and day-time periods in the initial “universe” to determine which have a sufficient number of eligible young MSM for conducting NHBS-YMSM recruitment. These venues and day-time periods are included on the monthly sampling frames used to randomly select venues and day-time periods for recruiting participants. Young men are recruited to participate in

NHBS-YMSM at randomly selected venues during selected day-time periods. At these recruitment events, staff count venue attendees, approach young men to ask them to participate in the survey, interview eligible young men, and offered optional HIV testing. Although these activities are initially performed in sequence, sampling frames are continually updated throughout the project cycle. VBS is a method that has proven successful in obtaining large and diverse samples of MSM and has also been used in the past to recruit young MSM ages 16-21 years of age [18-23].

FBS sampling is a strategy that utilizes Facebook to recruit participants. Utilizing internet websites to recruit participants has been used successfully with a variety of populations, including MSM, and one of its primary benefits is the ability to reach segments of the MSM population that would be more difficult to reach with other methods [24-30]. In general, recruitment via Facebook involves placing advertisements targeting particular groups which meet specific demographic and geographic criteria. In the proposed project, recruitment ads will target all young men aged 13 to 18 years who indicate in their Facebook profile that they are interested in [attracted to] other men who live within specific zip codes. Additionally, “like-based” targeting and keyword targeting will also be used to increase the reach and specificity of the banner ads. Through preliminary research activities, sites will elicit a list of people, activities, and organizations commonly “Liked” on Facebook by young MSM in the local area. This list of “Likes” will be used to create algorithms to target young MSM with recruitment banner ads. Interested potential participants will click on the ad, which will take them to a landing page which has more information and provides contact information for the study. The page will also have a place for interested potential participants to leave their first name and contact information. Contact information, which will allow NHBS-YMSM local staff to follow-up and conduct eligibility screening by telephone, will be maintained securely by investigators at the study sites and never connected to survey or HIV testing data. If telephone screening indicates a potential participant is likely to be eligible, project staff will schedule an appointment for the participant to come to one of the NHBS-YMSM field sites to complete an in-person eligibility screener. The initial eligibility screening by phone will be conducted to reduce the number of ineligible individuals who come to the study field site. Even if a potential participant is determined to be eligible by phone, an in-person eligibility screening will be conducted to verify the information and connect the eligibility responses to the behavioral assessment and HIV testing data.

Before implementing any of these sampling methods, each project site will conduct preliminary research activities for 2 to 3 months in order to guide local implementation of NHBS-YMSM to ensure successful data collection. These activities include reviewing secondary data sources and conducting key informant interviews, focus groups, and observations.

1.6 Eligibility Criteria and Sample Size

The eligibility criteria for NHBS-YMSM are the following:

- have not previously participated in NHBS-YMSM,
- are 13-18 years of age,
- live in the participating MSA or Division,
- were born male and are currently living as a male,
- ever had any sexual contact with another male, OR
- self-identify as gay or bisexual, OR
- Report same-sex sexual attraction

and

- are able to complete the survey in English

Each project site will implement two of the three sampling methods simultaneously. The target sample size for each project site is 600 completed interviews (300 per sampling method) with eligible males. Across the 3 participating project sites, this would result in a combined sample size of 1800 eligible young MSM participants.

1.7 Purpose and Use of the NHBS-YMSM Surveillance Protocol

This protocol describes the methods that must be followed to conduct the NHBS-YMSM project in a standardized manner. It also provides historical information about project development and design. A standardized protocol is essential for a multi-site project like NHBS-YMSM; it ensures comparability of data across sites, thereby allowing the data to be aggregated and presented as findings at the multi-site level.

This protocol describes the activities that the project sites will conduct for NHBS-YMSM. The chapters include preliminary research activities (Chapter 2), sampling methods (Chapters 3, 4, and 5), data collection procedures and instruments (Chapter 6), HIV testing procedures (Chapter 7), data management (Chapter 8), plans for data analysis and dissemination (Chapter 9), data security and confidentiality guidelines (Chapter 10), human subjects considerations (Chapter 11), and references (Chapter 12). Specific details on implementation of the study protocol will be detailed in the NHBS-YMSM operations manual.

1.8 Purpose and Use of the NHBS-YMSM Data

Data from NHBS-YMSM will be used to determine whether ongoing monitoring of young MSM should be conducted and if so, whether to incorporate this age group into the adult NHBS-MSM cycle or establish an additional NHBS cycle. To assist with this decision-making, CDC, along with project staff, will develop a document which will describe the benefits and challenges associated with each sampling method, lessons learned from conducting NHBS-YMSM, and recommendations for future activities.

1.9 Timeline

The activities described in this protocol are planned to begin Spring 2014. Project sites will submit the protocol for local IRB review after CDC IRB research determination is obtained.

Activity	Time Schedule
Preliminary research activities	Spring 2014
Interviewer training	Summer 2014
Interviewing participants	December 2014-December 2015

2

Preliminary Research Activities

2.1 Definition and Goals of Preliminary Research

The purpose of NHBS-YMSM preliminary research activities is to guide local implementation of NHBS-YMSM to ensure successful data collection. Particularly, preliminary research activities can help ensure that the desired sample size is achieved and that the resulting NHBS-YMSM sample is reflective of the target population.

Preliminary research activities are to be completed over a 2-3 month period that precedes the implementation of the behavioral assessment. All NHBS-YMSM sites are strongly encouraged to hire a local ethnographer to guide the collection, analysis, and interpretation of qualitative data. Upon completion of their preliminary research activities, project sites are required to submit a series of short reports to their CDC project officer. These reports serve as the basis from which project sites, in consultation with CDC, tailor the implementation of the project to ensure its local acceptability and success.

This chapter describes the preliminary research activities that the implementation of RDS, VBS, and FBS **share in common**. Preliminary activities specific to each sampling method are described in subsequent chapters. The preliminary research activities that are pertinent to all three methods include:

- Review of secondary data sources
- Key informant interviews
- Focus group interviews
- Observations

Implementation of these activities is useful to garner the support of the community and its stakeholders for NHBS-YMSM, define the characteristics of the target population, and investigate the socio-cultural context of HIV-related behavior among young MSM. In addition, preliminary research activities are helpful for identifying strategies for reaching the young MSM for data collection (e.g., areas where they can be reached, community and neighborhood organizations that serve young MSM, and individuals that are knowledgeable about and have access to the population), obtaining information relevant to field logistics (e.g., appropriate locations and hours of operation for field site(s) or venues, whether appointment systems are feasible, and ideal attributes of field staff), and developing questions of local interest for HIV prevention.

A key feature of the NHBS-YMSM preliminary research component is that it is an iterative process: knowledge about the study population builds on information collected during each of the preliminary research activities mentioned above. This on-going processing of preliminary research will help project staff identify gaps in knowledge and determine if there is a need to collect additional information. When necessary, initial assumptions or conclusions will be revised.

2.2 Review of Secondary Data

The purpose of the secondary data review is two-fold: (1) establish a foundation of information regarding MSM aged 13 to 18 years within the project site's MSA or Division; and (2) identify gaps in knowledge regarding the target population that could impact successful implementation.

Secondary data sources may include published or unpublished surveillance data on HIV/AIDS, hepatitis, and other sexually transmitted diseases; HIV epidemiologic profiles; HIV prevention plans; HIV counseling and testing data; and local studies of young MSM.

Secondary data will be reviewed to:

- Describe the demographic characteristics of local HIV-positive young MSM (e.g., race/ethnic group, geographic location, risk behaviors). This will be done through the review of HIV case surveillance data among MSM in the age range of interest and review of previous research conducted among MSM in the study sites;
- Compile a list of community stakeholders and subject matter experts to help garner support for NHBS-YMSM and/or invite for key informant interviews.

2.3 Qualitative Data Collection

NHBS-YMSM preliminary research activities include the collection of qualitative data using an array of methods common to many qualitative and ethnographic studies of health: key informant interviews, focus group interviews, and observations [31-34].

To protect the anonymity of key informants and focus group participants, consent to participate should only be provided verbally by participants and interviews should not be video- or audio-taped. The interviewer or moderator will take handwritten notes on responses and will not record any personally identifying information in the written record.

When the key informant and focus group interview has been completed, the notes will be stored without identifiers in a locked filing cabinet inside a locked office. Only authorized persons will have access to the notes. The data will be analyzed for information such as the size of young MSM networks, potential

seeds, and the specific venues frequented by young MSM. Notes will be retained until December 31st, 2015, when they will be destroyed.

These methods for the preliminary research activities are briefly described below.

2.3a Interviews with key informants

Key informants will serve as "cultural experts," who will be asked to provide insight into the context of HIV risk behavior among young MSM locally, as well as how to best recruit this population for the pilot. Although good key informants may not know everything there is to know about young MSM in the MSA, they should be able to contribute to the understanding of how best to approach potential participants and anticipate problems that NHBS-YMSM staff may encounter in the field. Examples of key informants include: gay community leaders, owners of local businesses that cater to young MSM, persons doing outreach work among young MSM, members of the local young MSM community, and researchers familiar with local young MSM. Key informants who meet the NHBS-YMSM eligibility criteria may take part in the NHBS-YMSM behavioral assessment and optional HIV testing.

Appendix B contains a model consent form for key informants such as with health department officials, business owners, community leaders, and others to whom incentives will not be provided because they are being asked to participate in their professional capacity. *Appendix C* contains a model assent/consent² form for members of the local MSM community who will be provided a token of appreciation for participating in the key informant interview. These forms should not be modified unless required by the IRB.

The key informant interview guide (*Appendix D*) is semi-structured allowing for detailed and in-depth discussions. Information collected through key informant interviews can be exploratory in nature (e.g., the locations where young MSM meet and socialize or types of illicit drugs used by young MSM) or focused on particular topics (e.g., the best days and times to recruit at venues and barriers to recruitment or ideal banner advertisements).

2.3b Focus groups

Focus groups are semi-structured interviews conducted with several individuals at a time, under the direction of a moderator [31]. These interviews can provide quick information about general topics of interest (e.g., means of recruiting non-gay-identified young MSM to participate in the behavioral

² "Informed consent" is the voluntary agreement of an individual, over the age of majority (18 years of age in most jurisdictions), who has the legal capacity to give consent, and who exercises free power of choice, without undue inducement or any other form of constraint or coercion to participate in research

"Informed assent" is a term used to express willingness to participate in research by persons who are by definition too young to give informed consent but who are old enough to understand the proposed research in general, its expected risks and possible benefits, and the activities expected of them as subjects

assessment and the identification of young MSM community stakeholders and local leaders) or specific information on issues about which little is known (e.g. where local young MSM go to find sex partners, alternative venues that aren't easily identified through a review of secondary data, and websites that are frequented by local young MSM).

Participants in focus group discussions should be recruited from within the MSA. Focus group participants may include community stakeholders regardless of their sexual identity (e.g., owners of local businesses that cater to young MSM, gay community leaders, and staff in organizations that serve either local young MSM populations or the gay community) and young MSM themselves. Focus group participants who meet the NHBS-YMSM eligibility criteria may take part in the NHBS-YMSM behavioral assessment and optional HIV testing. *Appendix E* contains a model assent/consent form for focus groups; this form should only be modified to meet local IRB requirements. To protect the anonymity of those interviewed, consent to participate should only be provided verbally by participants and interviews should not be video- or audio-taped.

The interview guide for focus groups is located in *Appendix F*.

2.3c Observations

Unlike the information collected from key informant or focus group interviews, observation relies solely on what is seen by the researcher [32, 34]. Being there and observing what is happening "on-the-ground" can provide staff with important insight into the behavior of local young MSM at particular locations, within venues or online. For VBS in particular, observations of the clientele at potential MSM venues, as well as the venue layout, will provide important information on venue attendance, the characteristics of venue attendees, and the logistics and safety of conducting interviews and HIV testing of the young MSM at the venue.

2.4 Garnering the Support of Community Stakeholders

The support of the community and its stakeholders is a key to ensuring the acceptability of NHBS-YMSM's activities. Project sites should seek out community members, stakeholders, and organizations representative of or related to the target population. Such individuals and organizations may include:

- Community-based service and social organizations that serve young MSM
- Local government and social service providers
- Religious communities
- Not-for-profit and non-governmental organizations

- Members of the target population

Identifying community stakeholders can be achieved by:

- Asking key informants, focus groups, and state and local health department staff to provide names
- Identifying community leaders and members at public meetings
- Contacting local cultural and subject matter experts, including local researchers and academics

Project staff should inform community stakeholders identified through these efforts about the NHBS-YMSM pilot, solicit their input about potential barriers to implementation, including logistics and community acceptance, and engage them in the process of developing questions about exposure to local prevention campaigns and interventions or other local topics of interest.

2.5 Ongoing Monitoring and Data Gathering to Improve Implementation

In addition to the preliminary research activities, the NHBS-YMSM project sites will engage in ongoing efforts to improve implementation. In particular, project staff should gather information as needed to address any unanticipated implementation problems identified either from reviewing the process monitoring reports or via feedback from the field staff. Collecting performance information throughout implementation will help project staff to better understand participation barriers and how to best implement potential recruitment schemes so that local procedures can be tailored to improve performance and outcomes.

Project sites will use a combination of methods to monitor enrollment rates, potential concerns about respondents' eligibility, demographic characteristics of the sample, and other relevant indicators of data quality. For RDS, project staff will also monitor the effectiveness of seeds and whether participants are distributing their coupons to people whom they do not know; an important assumption of the RDS method is that participants recruit people whom they know, as opposed to strangers who are not a part of their social network. For VBS, project staff will monitor the suitability of venues for recruitment and potential concerns about whether venues attract sufficient numbers of young MSM. Project staff will also monitor whether new venues have opened or started attracting a population of young MSM during the data collection period and whether these venues would be acceptable sites for NHBS-YMSM recruitment. For FBS, project staff will monitor web traffic to the Facebook advertisements and landing page and will provide regular updates to their CDC Project Officer.

Based upon findings from the ongoing activities described above, project sites may need to make modifications to their field operations, as approved by their CDC Project Officer.

3 Sampling Methods: Respondent-Driven Sampling (RDS)

3.1 Overview

Respondent Driven Sampling (RDS) is a recruitment method that has been shown to be effective in recruiting “hard-to-reach” populations into research studies in a number of different settings. RDS has been used successfully to recruit diverse populations of youth, including rural African-American youth [15], homeless youth [16], and young MSM [17]. Additionally, RDS has been implemented in the NHBS-IDU and NHBS-HET cycles. Given the utility of the RDS method in reaching a variety of youth populations, including young MSM, RDS is an appropriate recruitment strategy to test and evaluate for use in the NHBS-YMSM project.

RDS is a modified chain-referral strategy similar to snowball sampling. There are five main activities that make up RDS: 1) identifying field sites; 2) recruiting, screening and interviewing “seeds”, or initial recruits; 3) screening and interviewing, and providing HIV testing to young men who present a valid coupon to NHBS-YMSM project staff; and 4) training eligible NHBS-YMSM participants to recruit others, and 5) providing rewards to recruiters.

3.2 Identifying Field Sites

Implementation of RDS for NHBS-YMSM will occur at field sites (storefront, office or mobile van locations) identified through preliminary research. Field site locations should be easily accessible for the target population, safe, and designed in a manner that ensures that participant confidentiality will be maintained. It is important to ensure that potential participants have no reservations about or problems accessing the location. For example, locating a field site where local business owners or residents resist the presence of the target population would present a barrier to potential participants.

3.3 Initial Recruits - “Seeds”

RDS is a chain-referral strategy similar to snowball sampling. It is based on the theory that if peer recruitment proceeds through a sufficiently large number of waves, the composition of the sample will stabilize, becoming independent of the “seeds” – or initial recruits – from which recruitment began, and thereby overcoming any bias the nonrandom choice of seeds may have introduced [14, 35]. In RDS, a limited number of seeds are the starting point for the chain-referral process.

3.3a *Identifying Seeds*

Seeds will be identified through key informants. The ideal seeds are dynamic individuals who are knowledgeable about and well connected to the target population and are motivated NHBS-YMSM participants. Because seeds are the initial recruiters for the project and have a vested interest in the target population, they are more likely to encourage others to participate and to provide support for the project in the community. Selecting appropriate seeds accelerates recruitment, promotes longer recruitment chains, and helps reduce bias in the sample.

The following criteria should be considered when assessing whether an individual might be a good candidate for a seed:

- **Seeds should be diverse with respect to factors such as race/ethnicity, age, or other factors that would create more insular networks.** The goal of RDS is to recruit a sufficiently large number of waves, so that the overall composition of the sample will stabilize and become independent of the seeds from which recruitment began; this stable sample composition is termed “equilibrium.” A factor that has an impact on how quickly equilibrium can be reached is called “homophily.” This refers to the degree of insularity, or in-group preference for recruitment. The more insular a group, the more likely they are to recruit others like themselves and the more waves it takes to reach equilibrium. Having a diverse set of seeds will help ensure diversity of networks included in the initial waves.
- **Seed selection should take into account network characteristics.** RDS presumes that the target population is networked. Seeds should be representative of the major young MSM networks in an MSA, to the extent that these exist. Information gathered during preliminary research activities will provide information on various networks and may also help in accessing appropriate networks for the target population.
- **As a group, seeds should reflect geographic diversity.** As a group, seeds should come from a variety of areas within the MSA, particularly where the target population is spread across different regions of the MSA.
- **Seed selection need not take place only at the beginning of NHBS-YMSM.** The RDS method does not require that all seeds be selected at the same time. If an important network from which no seeds were drawn is discovered during the course of NHBS-YMSM, adding seeds from this group can be useful.

In addition, seeds must meet all eligibility criteria for NHBS-YMSM.

3.3b Recruitment of Seeds

NHBS-YMSM project staff will recruit an initial group of approximately 5-10 seeds. The number of initial seeds will depend on the capacity of the project staff as well as the locations and types of target networks across the MSA. Initial contact between seeds and project staff members can occur in several ways. Since seeds will be identified through key informants, the informant may set up an appointment for the NHBS-YMSM staff member to meet the seed or the seed can contact the study to make the

appointment themselves. In addition, the seed may provide their contact information (first name or nickname, phone number and/or email address) so that a project staff member can follow-up to schedule an appointment.

When a potential seed is contacted, NHBS-YMSM project staff will briefly describe the NHBS-YMSM project and ask the potential seed if he would be willing to go to the field site location to discuss the project further. If the potential seed is unavailable at that time, he will be given a referral card to come to the field site location at a time of their choosing (a recruitment coupon may also serve as a referral card for seeds, see *Appendix G*). In some cases, seeds may be interviewed at the location where they have been contacted or identified by project staff, for instance, in a neighborhood venue or in a mobile van. When interviewing potential seeds, staff will ensure that they do not compromise the confidentiality of the participant; even when conducted on the street, interviews will be done in such a way as to ensure no one other than project staff and the participant can hear or observe the proceedings. If confidentiality of interviews cannot be ensured in a street location, project staff will set up an appointment with the potential seed to be interviewed at the field site or office.

3.3c Eligibility Screening of Seeds

At the field site location, potential seeds will be assessed for eligibility using the eligibility screener (*Appendix H*). If eligible, seeds will provide assent/consent and be interviewed using the NHBS-YMSM behavioral assessment. Persons who are determined to be ineligible will be thanked for their time and interest in the project.

3.3d Assent/Consent and Interviewing Seeds

After eligibility is determined, the interviewer will obtain informed assent/consent from the seed by reading the assent/consent form and obtaining verbal agreement to participate (*Appendix I*). Interviewers will address any questions that the seed may have, prior to starting the behavioral assessment.

No data will be collected from seeds who do not assent/consent; however, they will be asked their reason for refusing to participate so that project staff can assess participation barriers.

Interviews will be conducted using the NHBS-YMSM behavioral assessment (*Appendix J*) which is administered by an interviewer using a portable computer and personal interview program. The interview will take about 40 minutes. Interviews are to be conducted in a confidential area within the field site location.

3.3e HIV testing

Seeds will be offered anonymous HIV testing. The testing component of NHBS-YMSM is voluntary and consent for HIV testing will be obtained prior to survey administration. HIV counseling and testing must be conducted in accordance with the NHBS-YMSM protocol (Chapter 7) and in accordance with local standards for HIV testing among individuals under 18 years of age, established by state and local health departments.

3.3f Training Seeds to Recruit Others

After the behavioral assessment and HIV testing is completed, the interviewer will ask eligible seeds (those who complete the behavioral assessment and from whom the interviewer feels confident that valid responses have been collected) if they would be willing to recruit others to participate. A small token of appreciation will be provided to the seeds for each additional respondent recruited after someone they recruited has participated in the behavioral assessment, with or without HIV testing. After a brief training on the recruitment process (*Appendix K*), those who agree to recruit will be given up to 5 coded, non-replicable coupons (*Appendix G*) with instructions to give one coupon each to up to five different males who meet all eligibility criteria for NHBS-YMSM.

Each coupon will have the NHBS-YMSM project name, location(s) of field site locations, phone number(s) where staff can be reached to make appointments, and a Study ID number printed on it. The Study ID on the coupon will be linked to the Study ID of the participant the coupon is issued to (i.e., the recruiter), which will be documented in the coupon manager.

3.4 Coupon Redemption and Subsequent Recruitment

All young men who bring a valid coupon will be assessed for eligibility. Those found to be eligible and who give assent/consent to participate will be interviewed. These steps are the same as described in Section 3.3 above; however, non-seed participants must be interviewed at a field site location. After completion of the interview process, non-seed participants who complete a valid behavioral assessment and meet the recruiter criteria (complete the behavioral assessment with valid responses) will be asked if they would be willing to help to recruit other participants. They will be offered a small token of appreciation for each additional participant they recruit, to be provided after someone they recruited has participated in the behavioral assessment with or without HIV testing.

Those who agree to recruit others will be given a brief training on the recruitment process (*Appendix K*), and will be instructed to give one coupon each to up to five different males who meet all eligibility criteria for NHBS-YMSM. The process of recruitment and interviewing will continue until the minimum target sample size is achieved (See Chapter 1).

3.4a Obtaining Rewards for Recruiting

Participants who agree to recruit other participants (“recruiters”) will be asked to provide specific information that is used to create a Unique ID (different from their Study ID). They will also be asked to provide information about any of their visible physical marks (e.g., tattoos, scars, piercings); this information and the Unique ID will be used to verify the recruiter’s identity and the validity of claims for rewards for recruiting other eligible participants. This information will be stored in the coupon manager.

When a recruiter returns to claim a reward(s) for distributing coupons, their identity will be verified using the Unique ID and the visible physical marks. After verification, they will be given approximately \$10 per eligible participant who completed an interview. Recruiters will also be asked about the number of coupons the recruiter has distributed, whether anyone has refused the coupons, the race/ethnicity and age of those refusing coupons, and the reason for refusal.

3.4b Pacing and Ending Recruitment

The pace of recruitment must be monitored to ensure that peer-referral chains are dense and have multiple “waves”; yet, the pace must not be so rapid as to overcrowd the field site location and place an undue burden on NHBS-YMSM staff. Close monitoring of the sample will enable NHBS-YMSM project sites to adjust the pace of recruitment.

An activation date on the coupons may help control the pace of enrollment, so that peer-recruits do not overwhelm the project staff. Similarly, an expiration date on the coupons may be useful as a way to encourage participants to schedule an interview within a short time (approximately 4 weeks) after the date of the recruiter’s interview.

The field location should have operating days and hours that are well communicated to the target population (via coupons, signs, etc.). Project staff should determine the maximum number of interviews they can conduct each day in order to properly schedule interviews. Project staff should encourage participants to make an appointment to be interviewed, but may need to consider allowing walk-in appointments depending on which strategies allow for best recruitment of the target population.

4.1 Overview

Venue based Sampling (VBS) is a commonly used sampling method for studies examining health behaviors among MSM, including young MSM [25, 26, 36]. VBS was used in CDC's Young Men's Survey (YMS) in the 1990s and is the sampling method for the NHBS-MSM cycle. The successful use of VBS to recruit MSM is a primary reason for evaluating this sampling method for use with the NHBS-YMSM population. In addition, as VBS is used in NHBS-MSM, if VBS proves effective in the pilot, incorporating MSM <18 years old into the MSM cycle of NHBS may be the most efficient means of collecting ongoing HIV behavioral surveillance among young MSM.

There are three main activities that make up VBS: 1) identifying venues; 2) sampling venues and day-time periods to create a monthly recruitment calendar, and 3) conducting recruitment events to enroll participants in the project.

4.2 Identification of Venues

NHBS-YMSM project sites will be required to conduct preliminary research activities to identify venues. These include identification of venues within the MSA, qualitative data collection such as interviews with key informants, focus group interviews, observations (to collect information on these enumerated venues and to describe the characteristics of those who frequent these venues), and type I and type II enumeration of venues (described in section 4.2c).

4.2a Venue definition

A venue is an area, location, or building where young men can be approached and recruited to participate in the NHBS-YMSM study. Venues potentially eligible as NHBS-YMSM recruitment sites must be located within the MSA and are defined as public or private locations that are attended by young men. Support groups for HIV-infected persons and clinical or other settings which are exclusively for providing medical care, mental healthcare, social services, or HIV/STD diagnostic services are ineligible for consideration as venues. Venues may include dance clubs, retail businesses, cafes and restaurants, health clubs, social and religious organizations, school group meetings, high-traffic street locations, parks, beaches, and special events such as gay pride festivals, raves, and circuit parties. These venues may be considered even though some health care, HIV/STD diagnostic, or prevention services may be available on site (e.g., HIV testing services may be provided at some gay pride festivals, but this would not make them ineligible as venues). Centers specifically serving members of the lesbian, gay, bisexual and transgender community (LGBT) may be selected as recruitment venues as long as the

majority of their services and programs do not involve the provision of HIV-related services or care (i.e. the center's primary mission is not centered around HIV).

4.2b Methods for venue identification

Venue identification involves the steps described below. These steps are expected to result in a universe of venues which will be verified as eligible by checking with key informant and focus group participants. Project staff will use the venue universe to conduct type I and type II enumeration of venues (described in section 4.2c). After completing all of these activities, a list of viable venues will be finalized and used to create the monthly sampling frames.

Identify all venues

The first step in the venue identification process is to identify all potential venues within the MSA where MSM between 13 and 18 years of age can be interviewed. During the identification process, NHBS-YMSM project staff should be liberal with their assessments; that is, do not exclude any potential venues at this point. However, potential street locations should be limited to areas where there is high foot traffic. "High traffic street locations" refer to corners or other areas of sidewalks that are well attended (i.e., get a lot of foot traffic) and that are not associated with any one particular type of venue such as cafés, dance clubs, etc. "High traffic street locations" are not a substitute for individual venues. If a street has a substantial traffic flow of young MSM because several potential venues are located on the street, the individual venues themselves should be identified as potential venues rather than identifying the street as a "high traffic street location." If this guidance is followed, high-traffic street locations should be a small proportion of all venues identified. To verify the universe of eligible venues, project staff should review all local publications that advertise venues that might attract young MSM and interview as many persons as practical from the community who might be knowledgeable about venues within the MSA. Interviews may be conducted with community members, staff of health department prevention programs, community-based organizations, community leaders, and venue owners, managers, workers, and patrons.

Determine suitability of venues

The next step in the venue identification process is to identify people who can provide insight into the suitability of the enumerated venues. This information can be collected from multiple sources in the community, using a combination of qualitative methods described previously. Information about the proportion of young MSM among venue attendees, the safety of the venue, days and times of highest attendance of young MSM at the venue, and the availability of private interview and HIV testing space can be elicited. Interviewees will be first asked to review the venue universe and add other venues that are attended by young MSM. They will then be asked to identify the days and times (day-time periods) when these venues are most heavily attended by young MSM. The updated list of venues and associated high-attendance day-time periods will then be shown to the next interviewee who will be asked to add to the list. This process will be repeated until additional venues and associated day-time periods are no longer elicited. Second, project staff must ensure that young MSM from demographic and social

subpopulations review updated lists to ensure all eligible venues and day-time periods have been identified. To help ensure the representativeness of eligible venues and day-time periods, interviews should be conducted with young MSM who are of various racial and ethnic backgrounds and ages.

Interviews with key informants should also elicit, for each venue, the socio-demographic characteristics of patrons as well as potential barriers to recruiting and interviewing young men. Assessing socio-demographic characteristics of venue patrons will enable NHBS-YMSM project staff to monitor these distributions and help ensure the listing of venues that are attended by important subpopulations, such as racial/ethnic groups most heavily affected by HIV in the MSA. Identifying potential recruitment and interview barriers will help staff to further assess, clarify, and prevent or minimize sampling barriers. Potential barriers that should be assessed include structural, management, safety, parking (if interview vans are used), and competing outreach activities.

4.2c Assessment of venue attendees

After venues have been identified it will be necessary to determine if a sufficient number of eligible young MSM attend the venue. This involves collaborating with the venue owners or managers, as well as other prevention programs that may be working in the same venues. Two types of enumerations may be conducted at venues with unknown attendance patterns.

Collaboration with venue owners/managers

NHBS-YMSM project staff must obtain the approval of venue owners or managers before conducting type 1 or type 2 enumerations or observations. Approval is necessary to conduct sampling events just outside of or within these establishments. In meeting with venue owners or managers, project staff should emphasize the potential individual and community benefits of NHBS-YMSM and that sampling activities will be conducted such that the burden on venue management and patrons is minimized.

Type 1 and 2 enumerations

Type 1 enumerations will be conducted by one person and are simple counts of people attending venues during 30- to 60-minute periods. Type 1 is the optimal enumeration method when project staff members believe that people attending the venue are predominantly young MSM. Type 2 enumerations will be conducted with two project staff members who will count and briefly interview men at the venue about their sexual behavior and eligibility for NHBS-YMSM. Type 2 enumerations provide attendance estimates of eligible young MSM and are the optimal method when project staff members suspect that venues are attended by a large number of people who are ineligible to participate, e.g., have only have had sex with someone of the opposite sex or who are 18 years old or older. For Type 2 enumerations, staff members must approach a systematic sample of all male attendees and not only those who appear to be eligible for NHBS-YMSM. Based on the findings from type 2 enumerations, venues may be dropped from the final sampling frame due to low attendance of young MSM.

Venue observations

During type 1 and 2 enumerations, staff should also conduct observations. The purpose of observations is to note key characteristics of the venue and venue attendees that may affect venue selection and future recruitment activities. These include: 1) activities that are occurring at the venue during specific days and times, 2) the safety and feasibility of conducting interviews at the venue, 3) locations where recruitment should be conducted (e.g., inside the venue, near the entrance), and 4) characteristics of venue attendees (e.g., age, race, number of young MSM attendees).

Collaboration with other organizations

Project staff must also collaborate with organizations that conduct prevention or research activities at identified venues. Project staff should first interview health department HIV/STD prevention staff and community informants about the organizations that are known to conduct these activities and where and when they are conducted. Project staff should then inform managers of these organizations about NHBS-YMSM and the need to collaborate. As part of collaborative agreements, monthly schedules should be shared between organizations to prevent overlapping activities at a given place, on the same date/time.

4. 3 Monthly Recruitment Calendar

Each month, local project staff will create a recruitment calendar to schedule an upcoming month's recruitment events. The venues, days, and times (VDTs) for the recruitment events will be selected using a two-stage sampling method - in the first stage selecting venues and the second stage, selecting days and times.

4.3a Constructing sampling frames

Before sampling can begin, project staff will have to construct two sampling frames: a venue frame and a day-time frame. The venue frame is the list of venues where recruitment could potentially take place during the upcoming month, and the day-time frame is the list of day and time periods when recruitment could occur at each venue. Sampling frames should be continuously updated throughout the project period. As attendance patterns at venues change, day-time periods should be adjusted accordingly. Similarly, if new venues or day-time periods are identified, they should be added to the sampling frames. After both sampling frames have been constructed, sampling and VDT selection can begin.

4.3b Stage 1 sampling: venue selection

In stage 1 sampling, project staff members select venues where recruitment will occur during the upcoming month. First, the staff members determine the number of recruitment events they plan on conducting that month and then they randomly select a corresponding number of venues from the venue frame. In most cases, stage 1 sampling is done without replacement, i.e., when a venue has been chosen, it cannot be selected again that month, although it can be chosen as an alternate venue (see 4.3e below).

4.3c Stage 2 sampling: day-time period selection

In stage 2 sampling, project staff select the day-time periods when recruitment will occur at the venues chosen in stage 1. To facilitate the selection of day-time periods, project staff rank the venues chosen in stage 1 in order from the venue with the fewest number of day-time periods to the venue with the most. Starting with the venue with the fewest number of day-time periods, project staff will randomly select a day-time period and schedule it on the recruitment calendar for the upcoming month. If no days are available on the recruitment calendar to schedule the event, another day-time period should be randomly selected from the remaining ones. Under the rare circumstance that the recruitment calendar cannot accommodate any of the day-time periods for a venue, a replacement venue is randomly selected from those that were not chosen in stage 1. The process of stage 2 sampling is repeated for each of the venues selected in stage 1 until all venues have been scheduled on the recruitment calendar. To minimize irreconcilable scheduling conflicts, venues should always be scheduled in order from the venue with the fewest number of day-time periods to the venue with the most. Although the day-time periods for conducting recruitment events are randomly selected in stage 2, the actual dates of the events on the recruitment calendar are not randomly selected in order to accommodate staffing needs.

4.3d Non-random recruitment events

Project staff may non-randomly select up to a maximum of three venues to include on their monthly recruitment calendar. These non-random events can be used to capture special events or to increase representation of important sub-populations, but they should be used sparingly. During the month that each project site holds its largest or main pride festival, they may conduct up to two additional non-random events at venues that are part of the main gay pride festival, for a total of five non-random events.

4.3e Alternate venues

Occasionally, recruitment cannot be conducted at a scheduled venue because of unforeseen circumstances like inclement weather or venue closure. Therefore, at least one alternate venue should be scheduled for each planned recruitment event. An alternate venue is randomly selected from among all the venues on the sampling frame that have a day-time period that corresponds to the day-time period of the scheduled recruitment event. The monthly recruitment calendar is complete when all sampled venues have been scheduled and alternate venues have been assigned for each one.

4.4 Recruitment Events

Each month, recruitment events will be held at the venues scheduled on that month's recruitment calendar. During these events, project staff members will count venue attendees, recruit participants, screen for eligibility, conduct behavioral assessments, and perform HIV testing. Project sites will continue to hold recruitment events until they have enrolled a minimum of 300 MSM between the ages of 13 and 18 years old or until the NHBS-YMSM end date.

4.4a Counting

A project staff member (usually the field supervisor) will count all young men who appear to be between 13 and 18 years of age who cross a defined area of the venue. This counting will last for the duration of the recruitment event, beginning when the project staff members are ready to start conducting interviews and ending when the last young man has been approached for recruitment. Young men will be counted only once, even if they enter the defined area multiple times. Those young men who have crossed the defined area of the venue and have been counted form the pool of persons eligible for recruitment into NHBS-YMSM.

4.4b Recruiting

After a young man has been counted, the staff member doing the counting will direct an interviewer or a designated recruiter to approach the young man and attempt to recruit him for participation in the study. Young men should be approached consecutively when project staff members are available. Each recruiter will use an Intercept Form (*Appendix L*) during each recruitment event to record intercept data on the young men who are approached. These intercept data are recorded on the forms in the presence of the potential participants. During recruitment, recruiters will briefly describe NHBS-YMSM, ask the young man's age, about previous participation in the study, and for those who have not previously participated, ascertain willingness to participate. Young men who have not previously participated in the study, but are interested in doing so will be referred to an interviewer for eligibility screening. Young men will normally be approached for recruitment in public, but eligibility screening will occur in a private area of the venue or in a designated interviewing space near the venue.

Appointments

In rare circumstances, if a potential participant does not wish to be interviewed at the time of recruitment, he can make an appointment to complete the study at a later date. A future interview date and time could be scheduled before or after a recruitment event or the potential participant could call the project office to schedule one. In either case, the potential participant will be assigned a Study ID. This anonymous number will be used to make the interview appointment, as well as to update recruitment monitoring forms. Interviews by appointment should be done sparingly and may only take place before or after a scheduled recruitment event or at the project office. The field supervisor, the interviewer, and at least one additional staff member must be in attendance during all interviews by appointment.

4.4c Eligibility screening and assent/consent

Potential participants will be assessed for eligibility using the eligibility screener (*Appendix H*). If a potential participant is eligible, the interviewer will obtain informed assent/consent from him by reading the assent/consent form (*Appendix I*) and obtaining his verbal agreement to participate. Interviewers will address any questions that the participant may have prior to starting the behavioral assessment.

If a potential participant is not eligible, he will be thanked for his time and interest in the project. No behavioral assessment data will be collected on young men who do not assent/consent. However, they will be asked the reason why they are not interested in participating so that project staff can assess whether barriers to implementing the study exist.

4.4d Interviewing

Participants will be interviewed using the NHBS-YMSM behavioral assessment (*Appendix J*) which will be administered using a computer-assisted personal interview (CAPI) program. The interview will take about 40 minutes. Interviews will be conducted in a private area of the venue or in a space near the venue.

4.4e HIV testing

Participants who assent/consent to the behavioral assessment, will be offered anonymous HIV testing. The testing component of NHBS-YMSM is voluntary, and consent for HIV testing will be obtained prior to study participation. HIV counseling and testing must be conducted in accordance with the NHBS-YMSM protocol (Chapter7) and in accordance with local standards for HIV testing established by state and local health departments.

5 Sampling and Recruitment Methods: Facebook Sampling (FBS)

5.1 Overview

Recruitment via the Internet for subsequent in-person interviews has been implemented in several studies of the adult MSM population. Data from these studies suggest that it is possible to engage MSM online for subsequent in-person interviews, though with high attrition between first contact and interview [27-30, 37]. While little is currently known about how this process would function among adolescent MSM, there is reason to believe that online recruitment would be successful. A majority (95% of 12-17 year olds) [38] of adolescents use the Internet for a variety of purposes. In addition, the Internet's ability to reach "hidden" populations [14] aligns with the description of many young MSM, who don't have access to adult MSM venues, may not be extensively networked with other MSM, and could be at the earlier phases of their coming-out trajectory.

Facebook, a popular social networking site, was selected as the vehicle for online-recruitment for NHBS-YMSM because 77% of adolescents 12 to 17 years old use Facebook [38] and unlike many MSM-specific Internet sites (e.g., Manhunt.com, Gay.com), Facebook is accessible and free to adolescents. It is likely that young MSM are using Facebook at rates similar to those of their peers and many specify on their profiles that they are attracted to men. For example, approximately 4000 young men aged 13 to 17 years in Chicago included same-sex attraction on their Facebook profile [39].

There are four main activities that make up FBS sampling: 1) placing banner advertisements on Facebook; 2) developing a "landing page" which provides NHBS-YMSM project information and collects contact information; 3) conducting telephone eligibility screenings and scheduling appointments; 4) completing in-person eligibility screenings and interviewing respondents.

5.2 Banner Advertisements

Facebook allows for the placement of targeted banner advertisements that will only be shown to individuals who meet specific criteria. In NHBS-YMSM, banner advertisements designed by the project sites and cleared by CDC (see *Appendix M* for example) will be placed on the Facebook pages of young men aged 13 to 18 years who indicate in their profile that they are attracted to other men and live within the project site boundaries. Additionally, "like-based" targeting and keyword targeting will also be used to increase the reach and specificity of the banner ads. These banner advertisements will only be visible

to the targeted population, clicking on the ad will not notify others in the participant's social media network unless the participant chooses to "like", comment, or share the ad. ~~P,~~ and participants recruited through Facebook will not be asked to refer their peers. In addition to targeting the ads, four additional activities will be implemented to encourage FBS recruitment: 1) Place a link to the landing page on the study Facebook page (a study Facebook page must be created in order to engage in targeted advertising); 2) Link the ads to the study Facebook page; 3) Encourage community-based organizations that work with the target population to have a link to the study Facebook page on their Facebook page and "like", comment, and share the study Facebook page; 4) Promote among the target population the "liking" of the study Facebook page and the "liking", commenting, and sharing of the ad.

5.3 Landing Page

Potential NHBS-YMSM participants who click on the Facebook banner advertisement will be taken to a landing page (*Appendix N*) that provides a basic overview of the NHBS-YMSM study and a submission form for individuals to provide their contact information (first name or nickname, phone number and/or email address) through a secure data portal. No other information will be collected on the landing page.

5.4 Telephone Eligibility Screening and Scheduling Appointments

Project staff will login to the encrypted portal daily to check for any new submissions, and will contact potential participants to conduct an initial eligibility screener (*Appendix H*). Potential participants will be scheduled for an in-person eligibility screening, behavioral assessment, and optional HIV testing at one of the NHBS-YMSM field site locations.

5.5 In-Person Eligibility Screening and Assent/Consent

At the time of the scheduled in-person appointment, potential participants will be re-assessed for eligibility using the eligibility screener (*Appendix H*). If a potential participant is eligible, the interviewer will obtain informed assent/consent from him by reading the assent/consent form (*Appendix I*) and obtaining his verbal agreement to participate. Interviewers will address any questions that the participant may have prior to starting the behavioral assessment.

If a potential participant is ineligible, he will be thanked for his time and interest in the project. No behavioral assessment data will be collected on young men who do not assent/consent. However, they

will be asked the reason why they are not interested in participating so that project staff can assess barriers to study implementation.

5.6 Interviewing

Participants will be interviewed using the NHBS-YMSM behavioral assessment (*Appendix J*) which is administered using a computer-assisted personal interview (CAPI) program. The interview will take about 40 minutes. Interviews will be conducted in a confidential area within the field site location.

5.7 HIV testing

Young men who assent/consent to the behavioral assessment, will be offered an anonymous HIV test. The testing component of NHBS-YMSM is voluntary, and agreement to HIV testing will be obtained prior to study participation. HIV counseling and testing must be conducted in accordance with the NHBS-YMSM protocol (Chapter 7) and in accordance with local standards established by state and local health departments.

6.1 Data Collection Instruments

6.1a Key informant interviews (RDS, VBS, and FBS)

Key informant interviews will be semi-structured to allow for detailed and in-depth discussions. Information collected through key informant interviews can be exploratory in nature (e.g., the locations where young MSM meet and socialize, types of drugs used by young MSM, and the demographic and social network characteristics of local young MSM) or focused on particular topics (e.g., the best days and times to recruit at venues and barriers to recruitment, or ideal banner advertisements). A sample interview guide for key informant interviews is located in *Appendix D*.

6.1b Focus group interviews (RDS, VBS, and FBS)

Similar to key informant interviews, focus group interviews will be semi-structured to allow for detailed and in-depth discussions. These interviews can provide quick information about general topics of interest (e.g., means of recruiting non-gay-identified young MSM to participate in the study and the identification of young MSM community stakeholders and local leaders) or specific information on issues about which little is known (e.g. where local young MSM meet sex partners, alternative venues that aren't easily identified through a review of secondary data, and websites that are frequented by local young MSM). A sample interview guide for focus groups is located in *Appendix F*.

6.1c Enumeration forms (VBS only)

The purpose of Type 1 enumeration is to determine if venues and their associated day-time periods (VDTs) are attended by enough young MSM to be included in a sampling frame. Type 1 enumeration forms (*Appendices O1 and O2*) will be used to document the number of young men who appear to be 13 to 18 years of age who enter the defined counting area during a 30- to 60-minute period.

The purposes of Type 2 enumeration are to assess the eligibility of young men attending a venue, determine if there are sufficient numbers of eligible young men present at the venue, and document their demographic characteristics (age, race/ethnicity, residency). The Type 2 enumeration form is used to conduct brief eligibility interviews on a consecutive sample of the men who are counted (*Appendices P1 and P2*)

6.1d Facebook data tracking form (FBS only)

The Facebook data tracking form (*Appendix Q*) will be used by project staff to collect data associated with the Facebook banner advertisement, landing page, email and phone contact with potential

participants, and resulting in-person NHBS-YMSM project activities involving young men sampled from Facebook .

6.1e Intercept Form (VBS only)

Each recruiter will use an Intercept Form (*Appendix L*) during each recruitment event to record intercept data on the young men who are approached. The questions asked of a potential participant during the intercept are their age, whether he has already been asked to participate in NHBS-YMSM and whether he previously participated in NHBS-YMSM.

6.1f Eligibility Screener (RDS, VBS, and FBS)

Data collected using the eligibility screener will include age calculated from date of birth, race/ethnicity, previous participation, county of residence and length of time residing there, gender, whether the respondent has ever had oral, anal, or other sexual contact with another male, whether the respondent identifies as gay or bisexual, and whether the respondent is sexually attracted to other males (*Appendix H*). The criteria for participants to enroll in NHBS-YMSM are that they have not previously participated in NHBS-YMSM, are 13-18 years of age, live in the participating MSA or Division, were born male and are living as a male, ever had any sexual contact with another male OR self-identify as gay or bisexual OR report same-sex sexual attraction, and are able to complete the study in English.

6.1g Behavioral Assessment (RDS, VBS, and FBS)

Behavioral assessment components

The NHBS-YMSM behavioral assessment consists of two components. The first is a standardized set of core questions. The NHBS-YMSM behavioral assessment is a single document (*Appendix J*). The NHBS-YMSM behavioral assessment is approved by OMB (control number pending). In addition to the core questions, participating NHBS-YMSM project sites may develop and add questions that address topics of local interest.

Core Behavioral assessment. The core behavioral assessment will be used by all participating NHBS-YMSM project sites and will provide data that will be used to evaluate sampling methods, and whether enough high-quality data are obtained for comparisons of young MSM risk behaviors and HIV testing behaviors between the MSAs. The core behavioral assessment covers the following areas:

- Demographics
- Network characteristics and social support
- Mental health
- Sexual behaviors
- Alcohol and drug use history
- HIV testing experiences
- Health conditions
- Experiences with violence and bullying
- Experience of stigma and discrimination
- Assessment of exposure to prevention activities

Local Use Questions. Project sites may include additional questions on topics of local interest. Local use questions should not take more than 10 minutes to administer.

6.1h HIV testing log (RDS, VBS, and FBS)

The HIV testing log (*Appendix U*) collects data on HIV tests conducted, the results of the test, and when the results were delivered to the NHBS-YMSM participant. A more detailed description of the form used to collect HIV testing data is described in Chapter 7.

6.1i Recruitment Debriefing Instrument (RDS only)

The items in the recruitment debriefing instrument include the number of coupons the recruiter has distributed, whether anyone has refused the coupons, the race/ethnicity and age of those refusing coupons, and the reason for refusal (*Appendix S*).

6.1j Cost evaluation form (RDS, VBS, and FBS)

The total cost associated with each sampling technique will be assessed using budget forms generated throughout the study period. These forms will collect pre-implementation, implementation, and operational/maintenance costs (*Appendix T*).

6.2 Data Collection Procedures

Data for NHBS-YMSM will be collected in a number of steps. Preliminary data collection is described in Chapter 2. Data collection procedures for the eligibility screener, behavioral assessment and optional HIV testing are described below. The data collection instrument application has been developed for use as a computer-assisted personal interview (CAPI) on a portable computer and will be administered in a standardized manner by trained interviewers.

Step 1: Initiation of data collection procedures

Initiation of data collection procedures will vary according to the sampling and recruitment method being implemented:

- ***RDS – Potential participants present a valid study coupon to NHBS project staff***

At a storefront or mobile van location, potential “seeds” (the initial participants recruited by NHBS-YMSM staff) and subsequently, the peers they recruit will present valid coupons to NHBS-YMSM project staff. The number on the coupon will be entered into a specialized coupon manager program developed for NHBS-YMSM (coupon manager) and its validity will be determined. Coupon manager provides a way to keep track of coupon numbers and rewards for those who agree to recruit others into the study. To keep coupons from being

duplicated, NHBS-YMSM project sites will include non-replicable designs, such as a hologram, on coupons so that project staff can validate them.

- ***VBS – Potential participants are approached in the venue***

Potential participants will be approached and asked their age, about their interest in participating in NHBS- YMSM and whether they have previously participated. Intercept information will be recorded on the Intercept Form (*Appendix L*).

- ***FBS – Potential participants schedule appointment***

Project staff, using the contact information entered onto the Landing Page, will contact potential participants to conduct an initial eligibility screening, and if eligible, will schedule the potential participant for an in-person eligibility screener at a field site location.

Step 2: Eligibility assessment

Regardless of the sampling method, potential participants will be assessed in person using the eligibility screener (*Appendix H*). The eligibility screener will be administered using a portable computer. Eligibility will be determined by an algorithm based on several questions, programmed into the portable computer. The computer program will automatically end after the eligibility screener is completed if the respondent is not eligible.

Step 3: Obtaining assent/consent

Interviewers will provide informed assent/consent information (*Appendix I*) to the respondents and address any questions. Based on local IRB guidelines and approval, some sites may use a summary form (*Appendix W*) of the assent/consent and provide the respondent with a copy of the full assent/consent form. Assent/consent to participate will be obtained orally. Interviewers will check a box on the computer indicating whether assent/consent was obtained. The computer program will automatically end if the respondent does not agree to participate in the behavioral assessment. Respondents may also consent to HIV testing and blood storage. All NHBS-YMSM project sites must obtain consent from participants for storage and future testing in order to store or ship specimens provided by those participants (e.g., for incidence, viral load, or other supplementary HIV tests not returned to participants). Participants must assent/consent to the behavioral assessment to be eligible for the other components; however, if participants do not assent/consent to the behavioral assessment but still wish to receive an HIV test or other tests, project staff in each NHBS-YMSM site will provide referrals and information to local HIV testing services.

Step 4: Core behavioral assessment and local questions

Eligible participants who provide assent/consent will be administered the NHBS-YMSM behavioral assessment (*Appendix J*). The local questions will be launched automatically at the end of the core behavioral assessment; these questions are also administered to respondents by the interviewer.

Step 5: HIV testing

HIV testing procedures and the information recorded in the HIV testing log by staff do not require that additional questions be asked of the participants. See Chapter 7 for more details on HIV testing procedures.

Step 6: Token of Appreciation

Participants will receive a token of appreciation for participation in NHBS-YMSM activities. The reimbursement amounts will be determined locally by the NHBS-YMSM project sites, and will be based on investigators' previous experience with NHBS cycles or other similar studies. Approximately \$25 will be offered for participation in the behavioral assessment and \$25 for the HIV test and additional blood for supplementary testing. For RDS, approximately \$10 will be provided as a reward for each peer recruited (up to 5 peers). If local regulations prohibit cash disbursement, equivalent amounts may be offered (e.g., gift cards, tokens for public transportation). Whether a token of appreciation and recruiter reward will be offered in the case of incomplete behavioral assessments will be determined in accordance with local policies.

Local areas may have requirements about documenting cash or items of equivalent value as tokens of appreciation; arrangements for fulfilling these requirements must maintain anonymity (see Chapter 11).

Step 7: Training participants to recruit others (RDS only)

For RDS only, after the interview is completed, the interviewer will ask participants who completed the behavioral assessment and provided valid responses if they would be willing to recruit other participants. After a brief training on the recruitment process (*Appendix K*), those who agree to recruit will be given up to 5 coded, non-replicable coupons (*Appendix G*). The participant will be told to give one coupon each to up to five different males they have seen in the past 30 days, live in the project area, are 13 to 18 years of age and whom they know are gay or bisexual, have had sex with another male, or are attracted to other males. The interviewer should emphasize that the coupons should only be given to other individuals whom the participant knows personally; the coupons should not be given to strangers. Each coupon will have the local NHBS-YMSM project name, location(s) of field sites or mobile vans, phone number(s) where staff can be reached to make appointments, and a Study ID number printed on it. The Study ID on the coupon will be linked to the Study ID of the participant the coupon is issued to (i.e., the recruiter), which will be documented in the coupon manager.

Participants who agree to recruit ("recruiters") will be asked to provide specific information that is used to create a Unique ID (different from their Study ID) and to provide information about any visible tattoos or physical marks so that their identification can be verified when they return to receive the incentives for recruiting other people. This information will be stored in the coupon manager. Specific procedures for verification will be described in the NHBS-YMSM Operations Manual

Participants who recruit their peers will receive rewards for recruiting by returning to the location where they were interviewed and checking in with the project supervisor. Project staff will use the Unique ID and any visible, physical marks to verify the identity of each recruiter returning to claim a reward for

recruiting others. After verification, recruiters will be given approximately \$10 per eligible participant who completed an interview. However, project staff members may distribute, at their discretion, items such as bus tokens or HIV prevention materials, etc., to recruiters even when their efforts did not yield a completed behavioral assessment.

6.3 Monitoring Data Collection

All interview data are vulnerable to bias from variability in the way respondents are sampled and in the way interviews are conducted. This bias may arise from variability between interviewers or from variability between interviews conducted by a single interviewer. To prevent these biases, and to ensure that proper procedures are followed, monitoring procedures should be implemented to assess the consistency and quality of NHBS-YMSM data collection activities.

The NHBS-YMSM field supervisor or another project manager should periodically monitor each staff member as they follow-up contacts from Facebook (FBS only) or contact seeds (RDS only), approach and recruit potential participants (VBS only), conduct the eligibility screening, obtain informed assent/consent, and administer the NHBS-YMSM behavioral assessment. Feedback on their performance – areas of proficiency as well as areas for improvement – should be given shortly after observations are conducted. Supervisors should monitor 10% of interviews administered by each interviewer.

6.4 Training for Study Personnel

All NHBS-YMSM personnel will be appropriately trained to conduct NHBS-YMSM project activities. CDC will hold an online Field Operations training for Project Coordinators and Field Supervisors covering topics including: proper study administration; required elements of informed assent/consent; techniques for monitoring interviewers and staff; and instructions for creating a local training for interviewers and other project staff. Representatives from the Data Coordinating Center (DCC), which collects and processes data for delivery to both the CDC and project sites, will train Data Managers on best practices for organizing, editing and transmitting data on the DCC web portal. CDC will develop a detailed manual describing study operations and procedures and will test knowledge of NHBS-YMSM study staff periodically. The local NHBS-YMSM Principal Investigator has responsibility for ensuring all HIV counselors are trained according to local guidelines and standards with regard to HIV risk-reduction counseling and testing procedures as well as data security and protecting the privacy and anonymity of participants. It is also the Principal Investigator's responsibility to uphold the provisions of the IRB-approved protocol.

7.1 Overview

All persons who agree to participate in NHBS-YMSM will be offered anonymous HIV testing. The testing component of NHBS-YMSM is voluntary. The purpose of testing is to estimate HIV prevalence among MSM 13 to 18 years of age who participate in NHBS-YMSM. HIV counseling and testing must be conducted in accordance with the NHBS-YMSM protocol and in accordance with standards established by state and local health departments.

Young men who agree to participate in the testing component of NHBS-YMSM will be provided with information about HIV testing. In accordance with local procedures and practices, project sites may offer rapid or laboratory-based HIV testing to participants. A specimen will be collected and tested for the presence of HIV antibody, antigen, or RNA from consenting participants. NHBS-YMSM project sites that utilize a rapid HIV test will need to obtain additional specimens from participants with a preliminary positive (or reactive) result for confirmatory testing. All sites will also collect dried blood spot (DBS) specimens by finger prick from all individuals who consent to HIV testing. These specimens will be sent to CDC for additional tests. Additional testing on HIV positive specimens will include testing to distinguish between recent and older HIV infections, identifying transmitted HIV drug resistance, and quantifying HIV viral load. This additional testing on HIV positive specimens can be used to estimate HIV incidence among young MSM and characterize patterns of transmission, monitor the prevalence and transmission of HIV containing drug resistance mutations, and assess age-specific community HIV viral load. HIV-negative specimens will be tested with a more sensitive RNA assay to ensure that acute HIV infections are not missed.

HIV test results will be returned to participants by a trained counselor during a scheduled counseling visit or shortly after the time of testing if a rapid test is used. Because results of the incidence assays (see section 7.2f below) are useful in the aggregate for estimating incidence as part of surveillance activities but are prone to considerable misclassification of individuals, Food and Drug Administration (FDA) regulations do not allow results of these assays to be returned to individuals or clinicians. In addition, the investigational techniques and assays that will be used to analyze dried blood spots to quantify HIV viral load and assess drug resistance are not FDA-approved for provision of individual test results. Therefore, these results will also not be returned to participants.

7.2 Procedures and Methods

7.2a *Informed assent/consent*

Based on site-specific testing options, assent/consent for NHBS-YMSM will include: 1) participating in the behavioral assessment; 2) testing blood or oral specimens for the presence of HIV antibodies, antigens, and/or RNA; 3) other diagnostic tests (e.g., hepatitis, syphilis) when funds are available; and 4) collection and storage of DBS specimens to be used to determine whether HIV infection is recent, to estimate community viral load, and identify acute HIV infection and transmitted HIV drug resistance. The informed consent process should follow local guidelines and standards with regard to HIV risk reduction counseling and testing procedures.

During the consent process, interviewers will explain to participants the purposes, procedures, benefits, and risks of giving a specimen and receiving an HIV test and other testing, if performed. Participants may elect to participate in the behavioral assessment but refuse to provide consent for HIV testing. Participants who request an HIV test but do not assent/consent to participating in the NHBS-YMSM behavioral assessment will be given referrals and information for HIV testing. NHBS-YMSM staff will also confirm a participant's decision to decline the HIV test at the end of the behavioral assessment to ensure they are given every opportunity to receive an HIV test.

All tests performed in connection with NHBS-YMSM will be anonymous. NHBS-YMSM project sites unable to perform anonymous HIV testing will not be allowed to participate in NHBS-YMSM.

7.2b Additional tests

NHBS-YMSM project sites can conduct other tests in addition to an HIV test, provided funds are available to support it. Tests that may be offered locally include sexually transmitted disease (STD) testing (e.g., syphilis) or hepatitis testing. STDs and hepatitis can be markers of unsafe sexual or injection practices and can help monitor HIV-related risk.

7.2c HIV counseling

After a participant provides assent/consent to participate in NHBS-YMSM and the behavioral assessment is completed, HIV counseling and referrals will be provided. No counseling can occur before the behavioral assessment has been administered. Counseling for rapid and standard HIV testing should follow standards established by state and local health departments. Appropriate risk-reduction counseling will be provided to all participants who agree to an HIV test. Counselors will target prevention messages to specific risks identified during the behavioral assessment. Barriers to risk reduction will be assessed, and methods to reduce or remove those barriers will be explored as appropriate for the participant. Counselors will provide referrals for any additional social support or medical services identified during the counseling session.

7.2d Specimen collection

NHBS-YMSM project sites may choose the testing method most suitable for their local situation. Depending on laboratory needs, oral fluid specimens or blood specimens from fingerstick or

venipuncture will be collected for the purpose of HIV testing. Blood specimens for HIV testing are strongly recommended based on the improved sensitivity of blood-based testing compared to oral specimens [40]. NHBS-YMSM project sites may offer rapid or laboratory-based HIV testing to participants.

Rapid testing is encouraged because it allows staff to provide preliminary results and make appropriate referrals to HIV care even for participants who may not return for lab-based test results. Rapid test specimens may be collected prior to behavioral assessment administration, but only if local requirements allow counseling to be done after specimen collection. Young men who test positive for HIV on a rapid test must be asked to provide a blood or oral specimen for laboratory-based confirmatory testing at the time that preliminary positive test results are given.

Project sites have the option to implement a rapid testing algorithm using multiple rapid tests. A rapid test algorithm [41] preferably begins with the most sensitive test, one using blood as opposed to oral fluid, so that early stage infections are not missed by the first rapid test. Participants may receive a false-negative test result if a rapid test is used that is not sensitive for early infection, particularly in a population with a high proportion of new infections. As with a single rapid test, confirmatory testing with a laboratory-based test is required for individuals with multiple reactive rapid tests.

Results of rapid tests and specimen collection for confirmatory testing should be available after the behavioral assessment has been administered. Processing of specimens should be done according to appropriate laboratory methods for the type of specimen collected.

Specimens will be labeled with unique Study ID numbers that match the participant's lab slip, questionnaire, and counseling card. No patient identifiers are included on any behavioral assessment, specimen, lab slip, or instrument; this includes any tests provided locally (e.g., STD testing). The unique Study ID will also be affixed to the participant's appointment card, and the participant will be counseled that he must keep the card and present it at the field site to receive his results.

The Project Coordinator and collaborating technician at the laboratory will maintain a log of all samples received for NHBS-YMSM (*Appendix U*). This log will contain the participant's Study ID, the time and date of specimen collection and information regarding the participant's consent for specimen storage and additional testing. If the participant consents to storage, the log will indicate the date and time the sample was processed for storage and the amount frozen. If the participant does not consent to storage, the log will indicate the date and time the sample was destroyed. Project Coordinators will work closely with the lab to ensure the proper storage and disposal of NHBS-YMSM specimens.

7.2e Counseling/returning HIV test results

Participants who receive rapid HIV testing will learn their results during the NHBS-YMSM encounter. Reactive (preliminary positive) test results obtained from currently approved HIV rapid tests must be

confirmed by a subsequent test (e.g., Western Blot, IFA, nucleic acid detection, or other tests in approved algorithms) conducted in a laboratory [42-44]. Confirmatory tests acceptable for NHBS-YMSM are those which are consistent with the current HIV case definition [45].

Rapid testing is strongly encouraged because it allows staff to provide preliminary results and make appropriate referrals to HIV care even for participants who may not return for lab-based test results. Those participants who do not undergo rapid testing will be scheduled to receive their HIV test results by trained counselors within one to three weeks of the date of the specimen collection. NHBS-YMSM project sites should develop flexible systems for return of HIV test results and counseling that are easily accessible by participants. During the initial encounter, the counselor will work with the participant to schedule a post-testing counseling session. The participants should be given an appointment card with the name and telephone number of a health department staff member or counselor and the date, time and location of the appointment. The appointment card must have an affixed Study ID number to link test results to the patient. No personal identifying information will be linked to the participant's HIV test result.

All participants who test positive for HIV should be actively linked to appropriate medical care and HIV case management services at the time they receive their test results. Active linkage to care in NHBS-YMSM will involve assistance by project staff members (e.g., scheduling appointments, providing transportation) to link HIV-positive participants to medical care and other supportive services. Project areas performing rapid testing should link participants with preliminary positive results to care during post-test counseling and after a confirmatory specimen has been collected. Study staff may not share the participant's name or other personally identifying information for linkage to care or report this information to the state or local health department HIV surveillance unit. The HIV test result may only be used for NHBS-YMSM analysis purposes.

At each NHBS-YMSM site, local protocols must be developed for active referrals and linkage to HIV care. These protocols must consider that HIV-positive youth may need additional assistance and support above and beyond protocols for referrals and linkage to HIV care developed for adult populations. At a minimum, linkage protocols must specify active processes for referral and linkage to care and identify appropriate local support services for HIV positive young MSM. Sites are strongly encouraged to consider the following in their protocols:

- Establish coordination with linkage to care programs at the health department or CBO's who have experience working with youth. Active linkage to care procedures may vary between sites and could range from having a program staff member at the study site (so immediate linkage to care can be done) to scheduling an appointment for a participant and arranging transportation.
- Assure that linkage to care for HIV-positive participants includes a referral to a case manager with experience working with HIV-infected youth in order to help participants address issues such as insurance implications for medical care and access to HIV medications.

- Identify specific youth-friendly HIV care providers in their area who are willing to provide services for NHBS-YMSM participants who test positive. Consider having dedicated provider(s) available to quickly schedule any young MSM for an initial HIV care visit after receiving a positive HIV test result, preferably within 72 hours of diagnosis.
- Identify specific supportive services for HIV-positive young MSM in the local area, including HIV-positive youth support groups and youth-friendly mental health providers.
- Because many NHBS-YMSM participants will be minors who may reside at home with their parent(s)/guardian(s), special care should be taken to help youth navigate disclosure of HIV status to these individuals.
- Sites should partner with CDC-funded MSM testing initiatives in their local area to leverage additional resources these programs may have with regard to supporting HIV-positive youth in their area.

Sites should work closely with CDC staff in developing these enhanced HIV linkage to care procedures.

Counselors who will be delivering positive HIV test results to young MSM should be familiar with the unique challenges faced by young HIV-positive MSM and should be able to provide support to these youth throughout the linkage to care process. This support can be operationalized through flexible contact policies, such as having a dedicated phone line that youth can call for support during the days following their initial diagnosis, and acknowledging they may be unable to talk to friends or family members about their experience. In addition, participants should be offered the number of a suicide prevention or other crisis counseling hotline in case of distress about preliminary positive or confirmed positive HIV test results. At the time of test result delivery, counselors should schedule specific times to check in with young HIV-positive MSM in the days and weeks following the initial test result. Counselors should also work with the identified local HIV care provider(s) to assess whether or not the linkage to care has occurred (i.e., attendance at the first clinical visit), and should provide additional support to youth who do not present for their first clinical visit.

7.2f Collection of Dried Blood Spot (DBS) specimens

Project sites participating in NHBS-YMSM are required to incorporate the collection of DBS into their core activities. Before beginning recruitment for NHBS-YMSM, CDC will conduct an inter-net training on the appropriate collection of DBS. Collection and storage of DBS specimens will be used to determine whether HIV infection is recent, estimate age-specific community viral load, and identify acute HIV infection and transmitted HIV drug resistance.

HIV viral load will be measured among participants testing positive for HIV in NHBS-YMSM to estimate community viral loads as an aggregate measure of transmission risk. The goal of conducting resistance testing will be to detect minority drug resistance mutations in a background of wild-type

viruses. These tests will be conducted at the CDC laboratory in Atlanta, after all specimens have been batched and data collection is complete. Testing will be done through in-house techniques using investigational assays to test DBS.

There are laboratory tests available that allow for the testing of HIV-positive blood specimens from cross-sectional surveys to classify infections as recent versus longstanding. This information can be used to identify individuals with recent HIV infection to better characterize recent patterns of HIV transmission or to calculate HIV incidence. There are several candidate incidence assays. To date, the only incidence assay that has been FDA-approved is the BED HIV-1 Capture EIA assay.[46] The FDA has determined that the BED assay, when used for surveillance purposes, does not require an Investigational New Drug or Investigational Device Exemption. Because the safety and effectiveness of this assay have not been established for purposes other than estimating HIV incidence at a population level, ***FDA regulations prohibit providing results to individuals*** or using these results for clinical management. Other incidence assays supported by CDC, such as the Bio-Rad Avidity EIA [47], can be performed on NHBS-YMSM specimens for research purposes. As with the BED assay, any incidence assay performed on NHBS-YMSM specimens can only be used to estimate the incidence in that population. The results are for public health purposes only and cannot be returned to individuals who provide specimens.

Since DBS specimens do not need to be processed and frozen by the local laboratory, NHBS-YMSM staff should be responsible for mailing them to the CDC. DBS cards (6 spots per card) will be shipped weekly or bi-weekly.

All project staff handling blood specimens must adhere to the Occupational Safety and Health Administration (OSHA) Bloodborne Pathogens Standard with respect to universal precautions (e.g., personal protective equipment) and appropriate syringe/device disposal: http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10051. In addition, project staff conducting testing should be trained in the safe handling of blood specimens. Any person, either local laboratory or NHBS-YMSM staff, responsible for shipping the specimens collected should be trained and certified for the shipment of infectious etiologic agents/dangerous goods.

As with other NHBS-YMSM activities, all information and specimens collected as part of the DBS process should be collected anonymously.

7.2g Token of appreciation

HIV testing will be provided at no cost to participants. In addition, participants may be given approximately \$25 as a token of appreciation after all specimens have been collected.

If local policy allows participants to receive an additional amount when they return for their HIV test results, project sites may elect to provide the amount approved locally. Project sites considering

providing an additional amount when participants return for their HIV test results must discuss this with their CDC Project Officer before implementation.

7.2h Data collection

HIV testing data should be collected on logs maintained by NHBS-YMSM project staff. HIV testing data (specimen information and results of all testing) will be linked to behavioral assessment data via the unique Study ID. All logs or lab slips containing HIV testing data should be stored in a secure and locked file cabinet. Access to the logs should be limited to designated NHBS-YMSM project staff.

HIV test results

Results of HIV tests will be recorded on a data collection form completed by the laboratory personnel or by NHBS-YMSM project staff from a copy of the HIV test results. HIV test result logs will contain but are not limited to:

- Study ID
- laboratory ID
- rapid test(s) performed (if applicable)
- rapid test(s) results (if applicable)
- rapid test result returned
- specimen type
- laboratory-based test(s) performed
- laboratory-based test results
- self-report of HIV+ status
- final test result returned

A model HIV testing log is found in *Appendix U*. This log may be modified by project sites depending on testing methods implemented.

Specimen information for laboratory-based testing

The NHBS-YMSM lab coordinator will maintain a log of all specimens received. The log will contain:

- unique Study ID;
- time and date of specimen collection;
- time and date the specimen was processed;

If consent for storage is obtained:

- time and date the sample was frozen;
- amount of sample frozen (# of DBS cards); and

- date and amount of frozen sample sent to CDC or a designated laboratory.

If the participant does not consent to storage, the log will indicate the date and time the sample was destroyed.

7.3 Data Management

HIV test results listed in ***HIV test results*** section above will be entered into the HIV Test Result Log on the DCC's Data Portal's online database (see Chapter 8). These data will be entered at least weekly so that reports generated by the DCC will reflect project sites' current numbers.

8.1 Overview

The purpose of this chapter is to describe basic data management procedures. The format for specific databases and directions for submitting data will be developed in collaboration with CDC and participating sites.

8.2 Data Configuration

8.2a Data files

Based on the methods to be implemented, each NHBS-YMSM project site will maintain the following databases:

1. QDS Warehouse for the NHBS-YMSM behavioral assessment
2. QDS Warehouse for local questions
3. Recruitment Monitoring Database
4. Venue Day Time Sampling (VDTS) Database (VBS only)
5. RDS Coupon Manager Database (RDS only)
6. HIV Testing Database
7. Budget Database
8. Facebook Database (FBS only)

To ensure consistency in database layouts across the NHBS-YMSM project sites, CDC will develop a QDS (Questionnaire Development System) control file with specifications for the behavioral assessment data. QDS is software used to create electronic survey applications, collect data, and manage data collection. These specifications will cover the questions, variable names, field limits, consistency checks, response values, and formats. CDC will also ensure consistency in database layouts for the recruitment monitoring database, venue day time sampling (VDTS) database, the RDS coupon manager database, the HIV testing database, budget database, and Facebook database. Specifications will cover variable names, field limits, response values, and formats.

8.2b Data submissions to CDC

All data submissions to the CDC, except for the budget and Facebook database, will be made via the Data Coordinating Center (DCC). The DCC collects and processes data for delivery to the CDC as well as sites. Data management procedures performed by the DCC use standard data processing tools such as SQL and SAS. These include managing incoming data, generating error reports, incorporating data changes, and producing CDC-required management reports. Data is transmitted to the DCC either by file upload (e.g., QDS Warehouse) or direct data entry (e.g., Data Error Log, HIV testing data) using secure data entry screens within the web-based data portal system. In addition to sending data to the DCC, the portal can also be used by sites to revise submitted data, view reports, track field site activities and retrieve processed datasets.

After the NHBS-YMSM data are sent through the DCC web portal, they will be processed by the DCC data manager. The DCC will then produce a report, on a monthly basis, for each NHBS-YMSM project site that lists any data inconsistencies; the project sites will respond to the DCC's report, and the edits will be incorporated into the data sets.

During the course of NHBS-YMSM, project sites should communicate problems to both their Project Officer and to DCC representatives in order to resolve these issues in a timely manner.

Representatives from the DCC will train Data Managers on best practices for organizing, entering, editing and transmitting data on the DCC web portal. Data Managers will also receive a detailed manual that will list all requirements for maintaining NHBS-YMSM data sets; this manual shall be the primary resource for conducting NHBS-YMSM data management activities.

8.3 NHBS-YMSM Analysis File

After the conclusion of the NHBS-YMSM cycle, the DCC staff will create a standardized dataset (or a program to create the dataset locally) for each project site. NHBS-YMSM project sites will receive only their site-specific dataset. The purpose of the standardized datasets is to ensure that reports of NHBS-YMSM data are consistent at both the local and multi-site level.

9.1 Data Analysis and Dissemination

CDC will have principal responsibility for analyzing and disseminating multi-site study data. CDC will also have principal responsibility for analyzing multi-site data on HIV prevalence and incidence.

9.1a Data analysis

The CDC analyses will focus primarily on questions related to the objectives of this study, as described in Chapter 1. For the first and second objectives, evaluating the effectiveness and feasibility of different methods of sampling MSM between 13 and 18 years of age for ongoing HIV behavioral surveillance, data from a number of project components will be examined. First, CDC will analyze data on the ability of each sampling method to enroll 300 young men per site who meet the NHBS-YMSM eligibility criteria, including the time that it takes to reach the enrollment goal. Considerations will also include the ability of different sampling methods to reach sub-populations with higher risk behaviors, low uptake of HIV testing and prevention services or higher HIV prevalence. Second, data on the implementation costs of each sampling method will be examined, including the cost of personnel, office supplies and materials, travel, durable materials and equipment, facilities space and utilities, HIV testing, and incentives. Third, CDC will analyze data on the response rates during each step in the recruitment process. This includes collecting data on the number of young men approached at a venue (VBS only), the number of coupons distributed to recruiters (RDS only), and the number of clicks on the Facebook banner advertisement, the number who leave their contact information on the landing page, and the number who contact the study staff via the contact information on the landing page (FBS only). In addition, CDC will analyze information on the number of participants screened, the number and proportion of participants who were eligible, the number and proportion of participants who completed the interview, the number and proportion of participants who consented to HIV testing, and the number and proportion of participants who agreed to blood storage. For RDS only, CDC will examine the number and proportion of participants who are eligible to recruit others. Fourth, CDC will evaluate the acceptability of this type of study among the target population. In addition to looking at response rates, participants will be asked how comfortable they were participating in the study overall as well as how comfortable they were answering specific behavioral assessment questions about sexual behavior, HIV testing and HIV status, and mental health and suicide.

The third objective of this study is to evaluate the need to conduct ongoing behavioral surveillance among MSM between 13 and 18 years of age by examining the data from the pilot. The following are examples of factors that will be examined:

- Distribution of selected sociodemographic characteristics;
- Prevalence of HIV risk behaviors such as unprotected sex;

- Prevalence of HIV testing (ever and past 12 months) and receiving HIV prevention services; and
- Prevalence of HIV infection, including previously undiagnosed HIV infection. HIV.

These findings will be discussed with leaders within CDC's Division of HIV/AIDS Prevention as well as subject-matter experts to interpret results and make a decisions about the need to conduct ongoing behavioral surveillance among young MSM and on the most appropriate sampling strategy.

If the sample size and characteristics allow, data collected using RDS will be analyzed using the RDS Analysis Tool or other newly developed methods that result in weighted population estimates and standard errors and allow inference to the larger population from which the sample arose. Data collected using VBS and FBS may also be weighted, if appropriate, to make inferences to the young MSM population. SAS and/or SAS-callable Sudaan will be used for the VBS and FBS analyses. Weights will be developed to account for the probabilities of selection for each sampling strategy. Weighted analysis for RDS will be conducted with the RDS Analysis tool. Weights for VBS will be constructed based on the MSM Weighting plan developed with the CDC's Data Coordinating Center, which takes into account the three stages of selection (venues, day time periods and individuals). Weights for Facebook recruitment will be estimated as the inverse of the sampling fraction based on the number of young MSM interviewed over the number of youth aged 13 to 18 years who reside in the participating MSA and indicate in their Facebook profile they are attracted to other men.

NHBS-YMSM project sites have responsibility for analyzing and disseminating site-specific data. Project sites are encouraged to establish Community Advisory Boards (CABs) or other organizations to transmit study findings to the target community and its stakeholders.

9.1b Data dissemination

NHBS-YMSM will result in multi-site and local products and publications. CDC is responsible for disseminating multi-site reports, usually via the *Morbidity and Mortality Weekly Report* (MMWR) and peer-reviewed journals. CDC will also present findings at national conferences and meetings. Local NHBS-YMSM project sites are responsible for disseminating local NHBS-YMSM results to health department officials and the public by presenting findings at conferences, preparing reports for community planning groups, or publishing results in peer-reviewed journals. NHBS-YMSM project sites and CDC may collaborate on articles and reports when appropriate.

9.2 Limitations and Potential Biases

9.2a VBS

Findings from venue-based sampling methods can only be generalized to the population of eligible persons attending venues included on the sampling frame during the surveillance cycle [18, 22, 23]. Some persons who are otherwise eligible (*e.g.*, by age, sexual behavior, and residence) may not attend the venues on the sampling frame or not attend venues at all. To minimize the effect of this bias, research will be conducted throughout the data collection period to update venue and day-time period sampling frames.

Working with this age group presents unique challenges in the application of VBS, such as finding venues where young MSM can be found in sufficient numbers to be sampled. While most major cities have centers that serve the lesbian, gay, bisexual and transgender (LGBT) community (one particular venue in which young MSM may be located), recruiting from these venues alone would yield a sample that may differ systematically from the general population of young MSM. VBS requires conducting robust preliminary research activities to ensure the appropriate selection of venues.

9.2b RDS

There are several sources of bias in RDS:

- Groups that are more insular (*i.e.*, more likely to recruit only within their own group) are overrepresented in the sample.
- Groups with larger networks are overrepresented because more recruitment paths lead to their members.
- Some groups may be less willing or able to participate in the study and would be underrepresented in the sample.

However, there are several ways to assess this bias and compensate for it. Some of the potential sources of bias are controlled by project staff; for instance, staff are encouraged to ensure that their initial peer-recruits, or “seeds”, are diverse by race/ethnicity, age, geographic location, sexual identity and behavior, and other important factors that would have the effect of increasing the insularity of recruitment and of homophily (*i.e.* homogeneity with regard to many sociodemographic, behavioral and intrapersonal characteristics). It is also important for project sites to conduct adequate preliminary research to help determine the proper placement of field sites to minimize participants’ barriers to participating in the study [48, 49].

Other sources of bias will be taken into account during data analysis, using information obtained during the study. To calculate the population estimates and sample variances derived from RDS, if sample size is large enough, participants’ network size and information on who recruited whom (made possible through the coupon tracking system) will be factored in to arrive at population estimates that reflect the underlying young MSM population. If these sources of bias cannot be satisfactorily controlled and measured, or if there are unknown barriers to peer-recruitment, some assumptions on which RDS is based may not be met and the resulting estimates may not reflect the true population of MSM between 13 and 18 years of age. Preliminary research and monitoring the sample throughout data collection is critical to minimizing the effect of these sources of bias.

Working with this age group presents unique challenges in the application of RDS. For example, RDS is predicated on the assumption that group members know one another, and thus, are able to recruit other individuals from their social networks. For young MSM, many of whom may not be comfortable sharing information about their sexuality with others in their social networks, this assumption may not be valid. This assumption will be one of the issues that will be evaluated in this pilot project.

9.2c FBS

For FBS, representative sampling is not possible within the context of NHBS-YMSM. Therefore, it will be impossible to determine how typical this sample is of Facebook-using MSM aged 13-18 years in particular and of young MSM in general [50, 51]. The “digital divide,” where the study sample is affected by both internet access and quality, may affect representativeness [52, 53]. As a result, online samples are more likely to be white, well-educated, and have higher socioeconomic status [52]. In addition, little is currently known about non-responders to online surveys and the associated biases [52, 54].

9.2d HIV testing

Biases in enrollment and agreement to HIV testing may result in over- or under-estimation of HIV prevalence. If those who agree to be tested differ from those who decline in terms of demographic characteristics or risk behaviors, our findings may be less generalizable.

10.1 HIV/AIDS Surveillance Assurance of Confidentiality

As a component of HIV/AIDS surveillance, NHBS-YMSM data are protected by the Assurance of Confidentiality (Section 308(d) of the Public Health Service Act, 42 U.S.C. 242 m(d)). This assurance prohibits CDC's and CDC's contractor's disclosure of any information that could be used to directly or indirectly identify individuals. A copy of the *Assurance of Confidentiality for HIV/AIDS Surveillance Data* is provided in *Appendix V*.

10.2 Written Data Security Policy

In accordance with the Assurance of Confidentiality requirements, each funded health department will write a data security policy covering the NHBS-YMSM data and incorporate it into their existing policy for HIV/AIDS surveillance data. The written data security policy should be approved by the Overall Responsible Party (ORP) at the funded health department prior to implementing data collection. Until this is done, NHBS-YMSM project sites must apply their existing standards for HIV/AIDS surveillance, which are approved by the ORP, to the NHBS-YMSM data. For guidance on developing data security policies for HIV surveillance data, consult the Data Security and Confidentiality Guidelines for HIV, Viral Hepatitis, Sexually Transmitted Disease, and Tuberculosis Programs (available online at <http://www.cdc.gov/nchhstp/ProgramIntegration/docs/PCSIDataSecurityGuidelines.pdf>). This document establishes the minimum data security standards for protecting HIV/AIDS surveillance data.

The written policy should describe:

- The standard operating procedures and policies for maintaining the security of NHBS-YMSM data.
- A data release policy describing the provisions for protecting against access to raw data or data tables containing small-denominator populations that could be indirectly identifying.
- An evaluation of the data security measures outlined in the document.

10.3 Security and Confidentiality Requirements

The following are the most applicable requirements for protecting the security of NHBS-YMSM data. They are not inclusive of all the requirements listed in the Data Security and Confidentiality Guidelines for HIV, Viral Hepatitis, Sexually Transmitted Disease, and Tuberculosis Programs. Therefore, while

drafting the local data security policy, NHBS-YMSM project staff should not rely solely on the requirements provided in this document, but also review the Guidelines in full.

10.3a Maintain anonymity of the participants

- Participant names should not be included in any NHBS-YMSM data collection instruments or systems, including QDS programs, VDT sampling information, RDS coupon manager database, and lab slips or test results. The only number used to label and identify all data from the participant is the Study ID.
- For FBS, no internet protocol (IP) address should be collected or stored with the contact information entered by potential participants.
- If written assent/consent forms are used and local policy requires participants to sign their real names to the forms, the assent/consent forms should not be labeled with the Study ID and are to be maintained in a separate file from other NHBS-YMSM instruments. NOTE: Assent of NHBS-YMSM participants will be documented using a computer and will be a part of each participant's study record.
- If first name or nickname and contact information (email and/or phone number) are collected to schedule key informant interviews, focus groups, the NHBS-YMSM behavioral assessment or as part of recruitment during Facebook sampling, this information will only be available to local NHBS-YMSM staff and will not be submitted to CDC. Participants' contact information will be destroyed after the completion of their participation or by December 31st, 2015, whichever is earlier. Contact information will not be linked to any data and will be maintained in a separate file from any NHBS-YMSM data collection instruments.
- In the event that a local policy requires participants to indicate they received a token of appreciation, it is recommended that the Study ID be used to identify the participant and NOT the participant's name or signature. If policy will not allow the use of the Study ID in lieu of the name or signature, special care should be taken to ensure that the Study ID is not included on the documentation form with the name or signature and that the form is stored separately from NHBS-YMSM instruments. When the study has been completed or by December 31st, 2015, whichever is earlier, the participant's form will be destroyed. In either case, any receipts should not describe the project or contain the name of the NHBS-YMSM project.
- Specimens, lab slips, and behavioral assessments are to be linked using the Study ID number and the interview date. No personal identifiers should be written or affixed to the test results or lab slips. All HIV tests, including confirmatory tests, must be conducted anonymously. Any additional tests offered locally must also be anonymous.

10.3b Protect the electronic security of surveillance databases

- Computers that can access electronic NHBS-YMSM data should be physically secured and should be protected by coded passwords.
- Electronic databases containing NHBS-YMSM data should be protected using coded passwords.
- Only authorized persons are to have access to electronic NHBS-YMSM databases. Only individuals within the health department (and the authorized contractors) should be authorized to access NHBS-YMSM data. Access to NHBS-YMSM data must be defined in a formal, written data release policy.
- Access to data by personnel outside the surveillance unit must (1) be limited to those authorized on the basis of an expressed and justifiable public health need, (2) not compromise or impede surveillance activities, (3) not affect the acceptability of the surveillance system, and (4) be approved by the State ORP.
- Handheld computers
 - Handheld computers must be kept in the possession of the field staff at all times when in the field. Although the data management module of QDS is the only module that allows viewing of completed and entered interviews in the QDS files, the CAPI module of QDS (used to launch the NHBS-YMSM behavioral assessment on the handheld computers) allows viewing of incomplete interviews. Handheld computers incorporate the use of encryption software. NHBS-YMSM data must be encrypted when stored on a handheld device. The key for de-encryption must not be written on the handheld device. Since NHBS-YMSM interviews are encrypted by QDS and the de-encryption key is in the QDS warehouse module, the QDS warehouse should not be loaded on handheld devices. Handheld computers must be protected by using a coded password known only to authorized NHBS-YMSM project staff. Handheld computers must be collected and secured by the field supervisor after the last interview of the day. When not in use in the field, the handheld computers are to be locked in a drawer or office at the health department or the contracted agency conducting the pilot. If this is not feasible, then a plan should be developed and incorporated into the data security policy that will ensure the security of the handheld computers.
 - Handheld computers must be purged of NHBS-YMSM data after the last interview of the day by uploading the collected interviews to the main database (e.g. QDS warehouse). This is important to minimize the amount of data carried on the handheld device. It will also minimize the number of records lost or compromised if the handheld device is lost or stolen.
- The ORP, NHBS-YMSM Principal Investigator, and the CDC project officer must be notified in

the event that a computer (including handheld computers) containing NHBS-YMSM data is lost or stolen.

- When a computer used for NHBS-YMSM is taken out of service, any hard drives that may have once contained NHBS-YMSM data should be reformatted before being used for another purpose.
- Other removable storage media (e.g., USB flash drive used to store data backups) that are no longer needed for NHBS-YMSM should be destroyed and not used for another purpose.

10.3c Protect the transmission of electronic data

NHBS-YMSM data will be transmitted to the DCC using the DCC portal, a secure internet-based system hosted by DCC. Data submitted through the DCC portal should be encrypted before being uploaded.

Surveillance data may not be transmitted through email or on disk because copies of the data will be maintained on various servers. A secure method for transmitting data files between local computer systems must be identified. Transfer files containing the NHBS-YMSM data must be encrypted using commercially available software with at least 128-bit encryption capability.

Encrypted databases may be transferred to a diskette or compact disk (CD) that can then be delivered by a courier service with package tracking capability (e.g., Federal Express or UPS) to an authorized individual who can upload the data to the other computer system.

The use of modems for data transfers must be approved by the ORP and incorporate the use of access controls. In addition, the NHBS-YMSM data must be encrypted prior to electronic transfer.

10.3d Protect the physical security of paper copies of NHBS-YMSM forms

- Paper copies of assent/consent forms and other NHBS-YMSM forms must be stored in locked filing cabinets that are inside locked offices.
- Only authorized persons should have access to paper copies of NHBS-YMSM forms.
- Paper copies of completed assent/consent forms, if used and other NHBS-YMSM forms should be kept secured while interviews are being conducted in the field. Interviewers should use a clipboard or other device to gather these files during office hours and maintain possession of them throughout the field event. Field supervisors must gather all paper copies of completed assent/consent forms and NHBS-YMSM forms at the end of each field event and store them in a locked cabinet at the health department or within the field office.

10.3e Require project staff to take individual responsibility in protecting data

- All authorized NHBS-YMSM project staff must sign a confidentiality statement (see example in *Appendix R*). Newly hired staff must sign a confidentiality statement before access to NHBS-YMSM data is authorized. This statement must indicate that NHBS-YMSM data will not be released to unauthorized individuals. The original statement must be held in the employee's personnel file and a copy given to the employee. Staff must sign the confidentiality statement on an established periodic basis (e.g., annually).
- All authorized NHBS-YMSM project staff with access to data must be knowledgeable about the data security policies and procedures. The written data security policy should be readily available and data security awareness trainings should be provided at regular intervals.
- NHBS-YMSM project staff should not discuss the participants or the information shared during the behavioral assessment with any unauthorized individual. Interviewers may share information with field supervisors or other study managers who have authorized access to NHBS-YMSM data, if needed for problem-solving issues that arise in the field.
- Each NHBS-YMSM project staff member will be responsible for protecting his/her workstation, laptop or handheld device that contains NHBS-YMSM data. This responsibility includes protecting the keys to the physical space (e.g., offices), passwords, and other codes that would allow access to sensitive data. In addition, NHBS-YMSM project staff must take care not to infect the computers with viruses or damage the equipment through exposure to the elements or misuse.
- NHBS-YMSM project staff must not install software on the handheld computers or laptops containing NHBS-YMSM data without notifying the CDC project officer.
- NHBS-YMSM project staff should keep completed NHBS-YMSM forms secured while interviewing in the field; use of clipboards or other devices that are in the possession of the interviewer at all times during field operations is recommended for this purpose.
- NHBS-YMSM project staff must shred documents containing sensitive information before disposing of them.

10.4 Breaches in Data Security Procedures

Breaches in the data security procedures should be promptly investigated by NHBS-YMSM staff to assess the causes and implement remedies. Confirmed breaches resulting in the release of sensitive information should be reported to the ORP, the NHBS-YMSM Principal Investigator, the local IRB, and the CDC Project Officer within one (1) business day of the event; if personally identifiable information is released, project staff should report the breach to the above parties within one hour.

11.1 Institutional Review Board Approval

In November 2013, the Office of the Associate Director for Science, National Center for HIV, Viral Hepatitis, STD and TB Prevention, CDC, determined that NHBS-YMSM is research, but that CDC is "not engaged" in this research. Therefore, the NHBS-YMSM protocol was not reviewed by the CDC IRB. Because NHBS-YMSM is considered research, NHBS-YMSM project sites should submit this protocol to their state and local IRBs for full or expedited IRB review.

11.1a Human research participants

Two different populations will be approached to participate in this study:

- Individuals over the age of majority (18 years of age in most jurisdictions), hereby referred to as adults, will be recruited to participate in preliminary research activities such as in-person interviews or facilitator-led focus groups as well as anonymous interviewer-administered behavioral assessment and voluntary HIV counseling and testing, and specimen collection and storage for additional testing. Informed consent will be obtained from these individuals to participate in NHBS-YMSM activities.
- Mature minors between the ages of 13 years and the age of majority will be recruited to participate in preliminary research activities such as in-person interviews or facilitator-led focus groups as well as anonymous interviewer-administered behavioral assessment and voluntary HIV counseling and testing, and specimen collection and storage for additional testing. Informed assent/consent will be obtained from these individuals to participate in NHBS-YMSM activities.

11.1b Justification of waiver of parental permission

For mature minors participating in NHBS-YMSM, a waiver of parental permission is required. Parental permission is not a reasonable requirement to protect participants in this study. Asking young MSM to obtain parental consent to participate in NHBS-YMSM would necessitate revealing their sexual behaviors or same-sex attraction to their parents or guardians. Youth in this age group are often dependent on their parents for care, shelter, financial support, or other basic needs. If parents of these youth have difficulty accepting their child's behaviors, this revelation may jeopardize the youth's security, stability, and welfare [55-60]. Obtaining parental permission would add little in the way of

actual subject protection, given the minimal risk of participation in this study. In addition, research suggests that requiring parental permission for NHBS-YMSM could reduce the validity of the findings by effectively eliminating potential participants unwilling to obtain permission from their parents or guardians [55, 60].

Each site will provide an appropriate alternative mechanism for protecting the mature minors who will participate as study subjects in the research. The site will identify persons not affiliated with NHBS-YMSM to serve as advocates. These advocates will have experience and competence in working with young MSM and will be knowledgeable about the NHBS-YMSM protocol. All NHBS-YMSM participants will be offered the option of conferring with an advocate prior to providing their assent, during study activities, and at any time after participation.

The waiver of parental permission is not inconsistent with Federal, State, or law in the project sites' jurisdictions. Federal regulations, specifically 45 CFR 46.402(a), defines children as, "persons who have not attained the legal age for consent to treatments or procedures involved in the research, under the applicable law of the jurisdiction in which the research will be conducted" [61]. Illinois, New York and Pennsylvania do not have laws pertaining to the legal age for consenting to research participation. In the state of Illinois, persons as young as 12 are allowed to consent to testing and treatment for sexually transmitted infections, including HIV, substance use/abuse treatment, and mental health care without requirement to notify parents [62]. Under New York State law, a minor (under age 18 years) can obtain health services without parental consent for: reproductive health services, including birth control, emergency contraception, abortion, care for sexually transmitted infections (STI) and HIV/AIDS, pregnancy care, labor and delivery care and rape crisis care; certain mental health services; substance abuse treatment; and emergency care [63]. In Pennsylvania, minors may consent to services for reportable diseases, HIV included, and to STI treatment [64].

However, if a site's IRBs does not allow for the waiver of parental permission, a protocol will be implemented to assess the participant's perception of the likelihood of his parent's(s') adverse reaction to his same-sex attraction, orientation and/or behavior if he were to discuss being recruited for participation in the study with them.. Youth who perceive a risk of harm associated with parental involvement will not be eligible to participate in NHBS-YMSM activities, even if otherwise eligible.

For FBS and RDS, the questions assessing parental support will be administered over the phone during the appointment scheduling process. The NHBS-YMSM site that is conducting VBS has received approval for a waiver of parental permission, so an alternative protocol is not needed for this sampling method.

For cases in which a participant indicates that obtaining parental permission will not be problematic, such permission will be obtained prior to the adolescent participant's scheduled appointment at a NHBS-YMSM field site. Participants will provide the contact information (i.e., phone number and email) of their parent(s), and the participant will indicate whether or not he would like to contact his parent(s) or have project staff initiate the contact. Parental permission will be obtained verbally over the phone; due

to difficulties with transportation for participants under age 18, it would not be feasible to have participants obtain a parental permission form, get it signed by their parents, and return it to the NHBS-YMSM field site prior to their scheduled appointment.

11.1c Justification of waiver of documentation of informed assent/consent

For this protocol, a waiver of documentation of informed assent (mature minors) or consent (adults) is recommended. The only record linking the subject and the research would be the assent/consent document, and the principal risk is the potential harm resulting from a breach of confidentiality. NHBS-YMSM Principal Investigators should request a waiver of documentation of informed assent/consent to allow the use of oral assent/consent on the basis that the research presents no more than minimal risk of harm to subjects and involves no procedures for which written assent/consent is normally required outside of the research context. If sites receive local approval to do so, they may read a summary version of the assent form to participants (*Appendix W*).

11.2 Voluntary Participation

Participation in NHBS-YMSM is completely voluntary. Participants can refuse to participate in the NHBS-YMSM behavioral assessment or in the HIV testing component without penalty. Participants are not required to take an HIV test to participate in the study. However, participants will not be able to receive an HIV test without first completing the NHBS-YMSM behavioral assessment. Once participants have started the behavioral assessment, they can refuse to answer any question or end the behavioral assessment at any time without penalty. Participants who NHBS-YMSM project staff judge to be mentally incompetent to give informed assent/consent, including those who are inebriated with alcohol or drugs, will not be allowed to participate in the interview.

11.3 Vulnerable Populations

Prisoners and women will not be included in NHBS-YMSM. Persons with mental disabilities may be included; however any person who cannot provide informed assent/consent will be excluded from participation in the project. Interviewers will be trained to identify participants who cannot provide informed assent/consent; these persons will be given the opportunity to reschedule their appointment as appropriate. All participants will be afforded the same protections.

As outlined previously, persons between the ages of 13 and 18 years old will be included in NHBS-YMSM.

One of the principles of the Belmont Report [65] is the respect for persons, which includes treating participants as autonomous individuals capable of making informed decisions and also providing

additional protections to those with diminished autonomy. The extent to which adolescents should be respected to make an autonomous decision about research participation can be guided by empirical research. An Institute of Medicine (IOM) report [66] on research with children and the Society for Adolescent Medicine (SAM) guidelines for research with adolescents [59] review the relevant literature on adolescent development and capacity to consent to research participation. One early study of 9, 14, 18, and 21 year-olds found that 14-year olds were as skilled as adults on multiple forms of competency related to consenting to research participation [67]. Based on their review of this literature, the SAM report concludes, “for mid and late adolescents (aged 14 years old or older), understanding of research and the cognitive ability to make decisions about research participation are similar to these abilities in adults.” Similarly, the IOM report suggests that children under age 9 or 10 have limited abilities to understand the purpose, risks, and potential benefits of research participation, but that by age 14 or 15 adolescents differ little from adults in these respects [66]. These conclusions challenge the broad inclusion of adolescents as a group with diminished autonomy.

11.4 Assent/Consent Process for the NHBS-YMSM Behavioral Assessment and HIV Testing

Participants will take part in an informed assent/consent process prior to beginning the behavioral assessment. A model statement of informed assent/consent is provided in *Appendix I*. Because participants may have difficulty reading and comprehending a written assent/consent form, assent/consent information should be read to each participant.

Documentation of obtaining assent/consent will be entered into the personal interview program after the eligibility screener is administered. The personal interview program will automatically end if the respondent does not agree to participate. Respondents have the option of participating in the behavioral assessment but declining the HIV test or other tests that are being offered. Sometimes, participants may change their mind about taking the HIV test during the behavioral assessment implementation; therefore, participants who initially decline the HIV test will be offered another opportunity at the end of the behavioral assessment to receive the HIV test as part of the study. NHBS-YMSM respondents are not required to agree to receive the results of their HIV test in order to participate in the study.

Participants will be offered a copy of the assent/consent form to read along with the interviewer; they may keep the form if they wish. Assent/consent scripts or forms developed by NHBS-YMSM project sites must contain all required elements of informed assent/consent. Each NHBS-YMSM project site's assent/consent script or form must be reviewed and approved by the respective CDC project officer before submission to the local IRB.

11.5 Potential Risks and Anticipated Benefits

11.5a Risks and benefits of the behavioral assessment

The potential risks of participating in the behavioral assessment include possible loss of anonymity or violation of privacy. Although participants' anonymity and privacy will be protected to the greatest extent possible, the loss of anonymity and privacy is a risk associated with this study. For example, someone may recognize a participant who is approached in a public setting (as in the case of VBS) or recognize a participant who enters a field site location (as in the case of RDS and FBS). In addition, for RDS and VBS, young MSM will be approached for participation by peers or project staff rather than self-selecting into the study. In some circumstances, this may allow others to infer the participant's same-sex orientation. Therefore, there is some risk to privacy associated with participating in the project's RDS or VBS components.

The NHBS-YMSM behavioral assessment includes questions on sexual behavior, drug use, mental health, exposure to violence, relationships, and personal attributes. There is a risk that participants will feel uncomfortable answering these questions. If a participant is not sexually active or had not used drugs, he will skip over the detailed sexual and drug use behavior sections. In addition, participants can refuse to answer any question or stop the interview at any time without negative consequences.

Participants may benefit from participating in the NHBS-YMSM behavioral assessment by better recognizing their own risks for HIV infection, speaking to trained staff about how to reduce those risks, learning more about local HIV prevention efforts, and obtaining prevention materials and referrals for health care, drug treatment, or HIV/STI testing and prevention services. Participating in NHBS-YMSM may also benefit the participant's community by helping prevention planners to better direct state and local HIV prevention efforts.

11.5b Risks and benefits of HIV testing

The risks of participating in the HIV testing component of NHBS-YMSM include those associated with loss of anonymity, drawing blood, and returning test results. Drawing blood may cause temporary discomfort such as bruising and rarely, infection. Some persons may pass out, and some have become injured while having their blood drawn; both of these circumstances are rare. There is minimal risk of secondary infection associated with phlebotomy. Disclosure of a preliminary positive result from a rapid HIV test or confirmed reactive HIV test result may cause distress and even substantial psychological trauma.

Individuals who agree to participate in HIV testing will receive counseling about how to prevent acquiring or transmitting HIV infection and, if appropriate, will be actively linked to local programs, youth specific HIV-positive support groups and youth-friendly health care providers who have experience working with HIV-infected adolescents. In addition, participants will be offered the number of a suicide prevention or other crisis counseling hotline in case of distress about preliminary positive or confirmed positive HIV test results.

11.6 Safeguards against Potential Risks

NHBS-YMSM project sites will implement a number of activities and procedures in an effort to safeguard against the potential risks to participants outlined in section 11.5.

11.6a Anonymity protections

Participation in NHBS-YMSM will be anonymous. There will be no records linking the participant to the eligibility screening, behavioral assessment, or HIV testing data. The participant may be asked to provide their contact information (first name or nickname, phone number and/or email address) or, in the case of RDS, visible physical marks (e.g., tattoos, scars, piercings) to local project staff in the following circumstances:

- *Scheduling key informant interviews, focus groups, and initial contact with seeds:* Contact information may be collected by local NHBS-YMSM staff to schedule key informant interviews, focus groups, and initial contact with seeds.
- *Scheduling the in-person eligibility screener, behavioral assessment, and optional HIV testing:* Contact information may be collected by NHBS-YMSM local staff to maintain an appointment system to schedule in-person eligibility screeners, behavioral assessments, and optional HIV testing.
- *Recruitment during Facebook sampling:* Potential participants who click on the Facebook banner advertisement will be taken to a landing page which provides information about NHBS-YMSM and has a place to provide their contact information. Local NHBS-YMSM staff will use the contact information to follow-up with the potential participant, conduct a telephone eligibility screening, and schedule an in-person eligibility screener, behavioral assessment, and optional HIV testing.
- Participants who agree to recruit other participants (“recruiters”) will be asked to provide information about any of their visible physical marks (e.g., tattoos, scars, piercings); this information will be used to verify the recruiter’s identity and the validity of claims for rewards for recruiting other eligible participants. This information will be stored in the coupon manager.

Contact information collected will only be available to local NHBS-YMSM staff and will not be submitted to CDC. If contact information is documented in paper form, it will be stored in locked filing cabinets that will be maintained in secure office environments with limited and controlled access. If

contact information is documented electronically, the computer will be password protected and only authorized project staff will have access to the information. Participants' contact information will be destroyed after the completion of their participation or by December 31st, 2015, whichever is earlier. Contact information will not be linked to any data or document including the study name and will be maintained in a separate file from any NHBS-YMSM data collection instruments.

In order to prevent inadvertent linkage, assent/consent forms that must be signed (due to local IRB requirement) will not be labeled with a Study ID number and will be maintained separately from other study documents. Blood specimens, lab slips, and behavioral assessments will be linked by Study ID numbers only. No personal identifiers will be included on any of these forms. If participants voluntarily disclose their names or personal identifiers, these will not be linked with the behavioral assessment or other document containing the study name.

11.6b Privacy protections

11.6b.1 General privacy protections

NHBS-YMSM project staff will always conduct project activities in accordance with ethical principles and standards by respecting and protecting to the maximum extent possible the privacy, confidentiality, and autonomy of participants.

All identifying information (to schedule appointments) will be kept in a password-protected file on a password-protected server. Only project staff will have access to it. The password will be updated on a regular basis as well as after any staffing changes.

Paper copies of NHBS-YMSM assent/consent forms, notes from key informant and focus group interviews, test results or other forms will be stored in locked filing cabinets that are maintained in secure office environments with limited and controlled access. Equipment used to administer the CDC-developed CAPI program (including computers) will be password protected. Computers and networks where data will be downloaded and stored will also be password protected. Only authorized project staff will have access to completed behavioral assessment data and study files. All project staff that will have access to the NHBS-YMSM data must undergo local security and confidentiality training and must sign a statement of confidentiality.

NHBS-YMSM project sites will also develop local protocols for how to manage situations in which someone contacts project staff via email or phone inquiring about the participation of a particular individual. In general, project staff should indicate that based on the project protocol, they can't share information about whether an individual is or is not involved in project activities.

The NHBS-YMSM project sites will send data to CDC using the Data Coordinating Center (DCC), managed by ICF Macro according to a contract with CDC. The DCC must use the secure data transfer algorithm, FIPS 140-2 (Federal Information Processing Standards Publication). Information about the

algorithm can be found at this web-site (<http://www.csrc.nist.gov/publications/fips/fips140-2/fips1402.pdf>). The secure data transfer methodology is compliant with and meets the guidelines set forth in OMB memorandum M-0404 (E-Authentication Guidance for Federal Agencies) (<http://www.whitehouse.gov/omb/memoranda/fy04/m04-04.pdf>) and NIST Special Publication 800-63 (E-Authentication Guideline: Recommendation of the National Institute of Standards and Technology) (http://csrc.nist.gov/publications/nistpubs/800-63/SP800-63V1_0_2.pdf). The DCC data management systems must be in compliance with OMB, HHS, and CDC Certification and Accreditation Guidelines outlined in NIST SP 800-37 (Guide for the Security Certification and Accreditation of Federal Information Systems) (<http://csrc.nist.gov/publications/nistpubs/800-37/SP800-37-final.pdf>). In addition to the technical requirements listed above, data management processes must be in compliance with the Data Security and Confidentiality Guidelines for HIV, Viral Hepatitis, Sexually Transmitted Disease, and Tuberculosis Programs (available online at <http://www.cdc.gov/nchhstp/programintegration/docs/PCSIDataSecurityGuidelines.pdf>)

11.6b.2 Privacy protections specific to RDS

The use of RDS for NHBS-YMSM requires individuals to communicate about same-sex attraction, identity, and/or behavior which may involve some risks of stigmatization. However, several privacy protections will be put in place to reduce this risk. First, the coupons used in RDS will be non-descript, so possessing a coupon will not identify a young man as having a same-sex orientation. For an observer to know what the coupon represents, he would need to be familiar with the study, which is expected to be uncommon among non-participants and non-MSM. In addition, recruiters will be trained to give coupons only to young MSM, who are unlikely to stigmatize other young MSM.

11.6b.3 Privacy protections specific to VBS

Whenever possible, venues will be chosen for the NHBS-YMSM project that are designed for young MSM, so that a participant's presence at the venue would signal to local NHBS-YMSM staff that the participant is eligible to participate in YMSM-NHBS activities, for example an LGBT youth social event coordinated by a local LGBT youth-serving organization. The NHBS-YMSM project must first obtain permission from the coordinating agency for the event or from the owner/manager of a venue to conduct recruitment, in the process assessing any risks to potential participants in consultation with the agency. In addition, project activities, including the eligibility screening, behavioral assessment, and optional HIV testing, will occur in a private area of the venue or in a designated interviewing space near the venue.

11.6b.4 Privacy protections specific to FBS

The banner advertisements will only be visible to the targeted population, clicking on the ad will not notify others in the participant's social media network unless the participant chooses to "like", comment, or share the ad. Individuals control the privacy settings of their own Facebook accounts, thus they can adjust the privacy settings to suit their own comfort levels. The text on the landing page will not include references to same-sex sexual behavior or sex in general. After collecting contact information (first name or nickname, phone number and/or email address) on the landing page portal, potential

participants will be asked which modes of communication are most acceptable and during which times of the day communication can take place. For participants who request that the local NHBS-YMSM staff contact them via phone to complete the screening process, the study telephone number will show up on caller ID as a generic number, and a telephone answering protocol (see example in *Appendix Y*) will be implemented at each project site.

11.6c Additional Safeguards

11.6.c.1 Assessment of decisional capacity

Prior to beginning the survey, the decisional capacity of NHBS-YMSM participants will be assessed. This will involve a determination of the participant's understanding of the project goals after they have been explained, and his capacity to understand, appreciate, think through, and express a choice about participation.

The formal assessment of an individual's decisional capacity for participation in research will follow a 2-step process. Consistent with previous research [68], the first step will involve a determination of the participant's understanding of the study goals as previously explained by the interviewers during a review of the procedures. Participants will be asked, "Can you tell me what this study is about?" In step 2, participants will be asked questions designed to assess their capacity to understand, appreciate, think through, and express a choice about participation in the study. NHBS-YMSM will use a modified version of the Evaluation to Consent Form (*Appendix X*) used by a number of studies to determine the decisional capacity to consent to participation in research [4]. Participants will be asked to: (1) name things they will be expected to do during the study, (2) explain what they would do if they no longer wished to participate in the study, (3) explain what they would do if they experienced distress during the study and (4) identify potential risks for participating in the study. Respondents able to, in the judgment of the interviewer, communicate and give acceptable answers to these questions will be considered eligible to assent/consent. Whenever the interviewer feels there is a question about the need for a more formal assessment of the decisional capacity of a potential participant he/she will be instructed to contact the PI before proceeding.

11.6.c.2 Active linkage to care

As described in chapter 7 (HIV Testing), for all participants who test positive for HIV, linkage to appropriate medical care and HIV case management services should be active (e.g., include assistance such as making an appointment for the participant and transportation to the appointment). Linkage to HIV care and case management should occur when HIV test results are provided. Project areas performing rapid testing should link participants who have preliminary positive results to HIV medical care and case management services at the time of the NHBS-YMSM encounter, during post-test counseling and after a confirmatory specimen has been collected.

At each NHBS-YMSM site, local protocols must be developed for active referrals and linkage to HIV care. These protocols must consider that HIV-positive youth may need additional assistance and support above and beyond protocols for referrals and linkage to HIV care developed for adult populations. At a minimum, linkage protocols must specify active processes for referral and linkage to care and identify appropriate local support services for HIV positive young MSM. In addition, participants should be offered the number of a suicide prevention or other crisis counseling hotline in case of distress about preliminary positive or confirmed positive HIV test results.

11.7 Token of Appreciation

Activities that are part of NHBS-YMSM include the behavioral assessment (which is the only activity required for participation), voluntary HIV testing, and during RDS, recruiting peers into the study (also voluntary). Participants will receive a small token of appreciation for participation in NHBS-YMSM activities. The amounts provided will be determined locally by the NHBS-YMSM project sites; amounts included in this document are based on previous experience with NHBS cycles or other similar studies.

Respondents will receive approximately \$25 in cash for their participation in the NHBS-YMSM behavioral assessment. If local regulations prohibit cash disbursement, an equivalent amount may be offered in the form of a gift certificate; however, all non-cash items should have appropriate value to the population. The preliminary research process can help verify what types of non-cash items are appropriate. All participants will be offered materials including information about preventing HIV infection, HIV testing and HIV medical services, and other support services.

For RDS, participants who agree to recruit their peers will be provided a small amount for each eligible person they recruit into the project; the average amount of these tokens of appreciation is \$10 for each eligible person recruited into the project, and the number of peer-recruits is limited to up to 5 persons.

HIV antibody tests will be provided at no cost to participants. In addition, participants will receive approximately \$25 after participating in HIV testing.

Participants will receive their token of appreciation from a designated staff member according to the project site's protocol after the behavioral assessment has been administered and the specimen has been collected for HIV testing (if participant agrees to the HIV test).

11.8 Adverse Events

11.8a Definition of an adverse event

In NHBS-YMSM, adverse events are defined as events leading to serious psychological, social, or physical harm to a participant that result from his or her participation in the study, including responding

to the behavioral assessment, and that are reported to or observed by any project staff. Adverse events should be distinguished from the mild, transient, and normal discomfort or awkwardness that some participants may experience when asked sensitive questions during the interview, such as questions about sexual behavior (manifested as fidgeting in the seat, seeming apprehensive when speaking, not looking at the interviewer or looking down, blushing).

11.8b Examples of adverse events

- **Violations of confidentiality or privacy.** Having information about participation disclosed by a member of NHBS-YMSM project staff.
- **Hazing, harassment, or violence.** Emotional trauma, physical violence or verbal abuse directed at a participant or project staff as a result of taking part in an interview.
- **Negative reactions from the community.** Participation in the study results in exclusion from a social group.
- **Negative reaction from parents/guardians.** Participation in the study leads to disclosure of HIV positive status or sexual orientation, resulting in a participant being asked to leave home or parents/guardians withdrawing emotional or financial support.
- **Inappropriate behavior on the part of NHBS-YMSM project staff.**
- **Psychological or physical trauma** as a result of HIV testing.
- **Violations of the NHBS-YMSM protocol.**

11.8c Response to adverse events

Adverse events must be taken seriously and handled in a consistent manner by all NHBS-YMSM project staff. The field supervisor must be notified of the event within 24 hours. The field supervisor will determine whether the reported event was related to NHBS-YMSM and will document and report the event and its outcome. Adverse events determined to be related to NHBS-YMSM must be reported to CDC within 24 hours and the local IRB within 2 business days or earlier as mandated by local IRB guidelines; the CDC NHBS-YMSM staff will report adverse events to the Associate Director for Science in the Division of HIV/AIDS Prevention for review and follow-up.

Project staff will be trained to respond to emergency situations involving NHBS-YMSM participants, such as if a participant expresses suicidal feelings upon receiving a positive HIV test result. NHBS-YMSM personnel will be trained to respond to questions and concerns from participants who assent to HIV testing. They will also be trained in de-escalation techniques, and how to respond to emergencies (e.g., fire/police/hospital contact numbers).

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The NHBS funding opportunity announcement (FOA) was approved for limited eligibility in 2010 and awarded by January 1, 2011. Eligibility was limited based on highest AIDS prevalence in directly funded city/county health departments containing the Metropolitan Statistical Areas (MSAs) or specified Division within MSAs where HIV infection was most concentrated.

Twenty (20) jurisdictions were selected to receive NHBS awards using a peer review process and these sites began NHBS project activities on or about January 1, 2011. Authorization was requested to limit the eligibility for NHBS-YMSM only to the 20 NHBS sites already funded and functioning at full capacity. The 20 state or local health departments currently funded for NHBS (in order of AIDS prevalence in directly funded city/county health departments containing the Metropolitan Statistical Areas [MSAs] or specified Division within MSAs) are as follows:

1. New York City Department of Health and Mental Hygiene;
2. County of Los Angeles Department of Health Services;
3. Washington, D.C. Department of Health and Human Services;
4. City of Chicago Department of Public Health;
5. Florida Department of Health and Human Services (Miami);
6. Philadelphia Department of Public Health;
7. Georgia Department of Health and Human Services (Atlanta);
8. Houston Department of Health and Human Services;
9. San Francisco Department of Public Health;
10. Maryland Department of Health and Human Services (Baltimore);
11. Puerto Rico Department of Health and Human Services;
12. Texas Department of Health and Human Services (Dallas);
13. New Jersey Department of Health and Human Services (Newark);
14. California Department of Health and Human Services (San Diego);
15. Louisiana Department of Health and Human Services (New Orleans);
16. Washington State Department of Health and Human Services (Seattle);
17. Massachusetts Department of Health and Human Services (Boston);
18. New York State Department of Health and Human Services (Nassau);
19. Michigan Department of Health and Human Services (Detroit); and
20. Colorado Department of Health and Human Services (Denver).

Appendix B

Model Key Informant Interview Consent Form To Be Used When Providing A Token Of Appreciation Is Not Appropriate

English Version; Grade Reading Level by Flesch-Kincaid Method: 8.1

HIV Behavioral Surveillance for Young Men Who Have Sex with Men

Key Informant Consent Form

A. Purpose

The [Agency Name] and the Centers for Disease Control and Prevention (CDC) are planning a study of young men (between 13 and 18 years of age) who may be at risk for HIV infection, and who will be asked to take an HIV test. The reason for this interview is to learn about the best way to do this future study. We are asking you to participate in this interview because you may be able to give us with ideas about the future study.

B. Procedures

If you agree to be interviewed, this is what will happen.

1. During the interview, a staff member will ask you questions about the following issues:
 - a. Ways to encourage young men to take the survey;
 - b. Names of places young gay, bisexual, and/or other young men who have sex with men visit or social organizations they belong to;
 - c. Reasons young men might not want to take an HIV test, and ways to encourage them to do so;
 - d. The types of questions that would be important for us to ask so we can understand sexual behavior in gay, bisexual, and/or other young men who have sex with men.
2. This interview will not be audio- or video-taped.

3. You can refuse to answer a question at any time. If you do not answer a question or want to end the interview, there will not be any penalty to you. No one except the study staff at [**Agency Name**] will be allowed to see the information you provide to us.

4. The interview is anonymous. Your name will not be attached to your responses.

C. Risks

There are no physical risks to you by participating in this interview. No one will ask about your own behaviors, and you should not share this information during your interview.

D. Benefits

There are no direct benefits to you by being in this interview. The information you give us may help us have a better future study.

E. Compensation

You will not be paid for the time you spend taking part in the interview.

F. Persons to Contact

This study is run by: [*name of principal investigator and phone number*]. You may call [him/her] with any questions about being interviewed.

If you have questions about your rights as a participant or if you feel that you have been harmed, contact [*IRB committee or contact name and phone number*].

G. Confidentiality Statement

What you tell us is confidential. No one except the study staff at [**Agency Name**] and CDC will be allowed to see your comments, except as otherwise required by law. Those allowed to see your comments will not be able to tell that they are your comments because they will be given a summary of comments made by all the people we interview, without names included.

H. Right to Refuse or Withdraw

You may choose not to do this interview without any penalty. You have the right to refuse to answer any questions. You can end the interview at any time you want.

I. Agreement

Do you have any questions?

Interviewer: Answer the participant's questions about the interview before proceeding to the next question.

You have read or had read to you the explanation of this study, you have been given a copy of this form, the opportunity to discuss any questions that you might have and the right to refuse participation. I am going to ask for your consent to participate in this interview. By saying yes, you agree to participate in the interview. Do you agree to take part in the interview?

Date: _____ Interviewer initials in box confirm affirmative consent

I have fully explained to the participant the nature and purpose of the procedures described above and the risks involved in its performance. I have asked if any questions have arisen regarding the procedures and have answered these questions to the best of my ability.

Date: _____ Signature of interviewer: _____

Appendix C

Model Key Informant Interview Assent/Consent Form to Be Used When Providing a Token of Appreciation for Participation is Appropriate

English Version; Grade Reading Level by Flesch-Kincaid Method: 8.0

HIV Behavioral Surveillance for Young Men Who Have Sex with Men Key Informant Assent/Consent Form

A. Purpose

The [Agency Name] and the Centers for Disease Control and Prevention (CDC) are planning a study of young men (between 13 and 18 years of age) who may be at risk for HIV infection, and who will be asked to take an HIV test. The reason for this interview is to learn about the best way to do this future study. We are asking you to participate in this interview because you may be able to give us with ideas about the future study.

B. Procedures

If you agree to be interviewed, this is what will happen.

1. During the interview, a staff member will ask you questions about the following
 - a. Ways to encourage young men to take the survey;
 - b. Names of places young gay, bisexual, and/or other young men who have sex with men visit or social organizations they belong to;
 - c. Reasons young men might not want to take an HIV test, and ways to encourage them to do so;
 - d. The types of questions that would be important for us to ask so we can understand sexual behavior in gay, bisexual, and/or other young men who have sex with men.
2. This interview will not be audio- or video-taped.

3. You can refuse to answer a question at any time. If you do not answer a question or want to end the interview, there will not be any penalty to you. No one except the study staff at [**Agency Name**] will be allowed to see the information you provide to us.
4. The interview is anonymous. Your name will not be attached to your responses.
5. You will receive \$25.00 for the time you spend taking part in the interview

C. Risks

There are no physical risks to you by participating in this interview. No one will ask about your own behaviors, and you should not share this information during your interview.

D. Benefits

There are no direct benefits to you by being in this interview. The information you give us may help us have a better future study.

F. Compensation

You will be paid \$25 for the time you spend taking part in the interview.

F. Persons to Contact

This study is run by: [*name of principal investigator and phone number*]. You may call [him/her] with any questions about being interviewed.

If you have questions about your rights as a participant or if you feel that you have been harmed, contact [*IRB committee or contact name and phone number*].

G. Confidentiality Statement

What you tell us is confidential. No one except the study staff at [**Agency Name**] and CDC will be allowed to see your comments, except as otherwise required by law. Those allowed to see your

comments will not be able to tell that they are your comments because they will be given a summary of comments made by all the people we interview, without names included.

H. Right to Refuse or Withdraw

You may choose not to do this interview without penalty. You have the right to refuse to answer any questions. You can end the interview at any time you want.

I. Agreement

Do you have any questions?

Interviewer: Answer the participant's questions about the interview before proceeding to the next question.

You have read or had read to you the explanation of this study, you have been given a copy of this form, the opportunity to discuss any questions that you might have and the right to refuse participation. I am going to ask for your assent/consent to participate in this interview. By saying yes, you agree to participate in the interview. Do you agree to take part in the interview?

Date: _____ Interviewer initials in box confirm affirmative assent/consent

I have fully explained to the participant the nature and purpose of the procedures described above and the risks involved in its performance. I have asked if any questions have arisen regarding the procedures and have answered these questions to the best of my ability.

Date: _____ Signature of interviewer: _____

NHBS-YMSM Preliminary Research Guide- Key Informant Interview

Recruitment Issues

Where are some places around [CITY] that young gay, bisexual, and same-sex attracted guys (ages 13-18) hang out? What would it be like if we recruited guys for a research study there?

How would young gay, bisexual, and same-sex attracted guys react to being asked to help us recruit their friends into the research study? How would they react if they received cash as a token of appreciation? What do you think would be an appropriate amount?

How likely will young gay, bisexual, and same-sex attracted guys be to click on a Facebook advertisement for a research study? What types of pictures would be most appealing to young gay, bisexual, and same-sex attracted guys in a Facebook ad for a research study?

How willing would young gay, bisexual, and same-sex attracted guys be to enter their contact information on an online page so we could schedule them for an interview and HIV testing appointment?

HIV Testing Issues

How willing would young gay, bisexual, and same-sex attracted guys be to take an HIV test as part of a research study? How willing would they be if they received cash as a token of appreciation?

What might get in the way of young gay, bisexual, and same-sex attracted guys being willing to take an HIV test as part of a research study? What are some things that we can do that might motivate young gay, bisexual, and same-sex attracted guys to get tested for HIV in this study?

What do you think would be the most acceptable type of HIV test for young gay, bisexual, and same-sex attracted guys? One that uses blood drawn from a vein, fluid from a cheek swab, or blood from a finger prick?

If a young guy tested HIV-positive as part of this study, how willing would he be to speak to a medical professional about treatment options? Who/what are some of the most trusted providers of HIV medical care for adolescents in your city?

Survey Issues

How long of a survey would young gay, bisexual, and same-sex attracted guys be willing to take? Thirty minutes? Less? More? How long of a survey would young men in this group be willing to take if they received a \$25 token of appreciation? Thirty minutes? Less? More?

What types of questions do you think would be important for us to ask so we can understand sexual behavior in young gay, bisexual, and same-sex attracted men?

Our research project requires an in-person appointment. Where would young gay, bisexual, and same-sex attracted men be willing to take the HIV test and survey? Community agencies (LIST OF LOCAL SERVICE PROVIDERS KNOWN TO YOUTH IN AREA)? A mobile van?

English Version; Grade Reading Level by Flesch-Kincaid Method: 7.4

HIV Behavioral Surveillance for Young Men Who Have Sex with Men

Focus Group Assent/Consent Form

A. Purpose

The [Agency Name] and the Centers for Disease Control and Prevention (CDC) are planning a survey of men between the ages of 13 and 18 who may be at risk for HIV infection and who will be asked to take an HIV test. The reason for the focus group is to learn about the best way to do this future study. We are asking you to be in the group because you may be able to give us with ideas about the future study.

B. Procedures

1. If you agree to be in the focus group, you will take part in a focus group with up to 10 other people that will last between 1 ½ and 2 hours.
2. During the session, people will be asked questions about the following issues:
 - a. Ways to encourage young men to take the survey;
 - b. Names of places young gay, bisexual, and/or other young men who have sex with men visit or social organizations they belong to;
 - c. Reasons young men might not want to take an HIV test, and ways to encourage them to do so;
 - d. The types of questions that would be important for us to ask so we can understand sexual behavior in gay, bisexual, and/or other young men who have sex with men.
3. This focus group will not be audio- or video-taped.
4. The focus group is anonymous. We will not record your name or any other characteristics that might identify you at any time during the interview. No one except the study staff at [Agency Name] will be allowed to see the information you provide to us.

5. You will be given \$25.00 for being in the focus group.

6. You can refuse to answer a question at any time. If you do not answer a question or want to leave the focus group, there will not be any penalty to you.

C. Risks

There are no physical risks to you by participating in this focus group. No one will ask about your own behaviors, and you should not share this information during your session.

Other focus group members may say things that may make you feel uncomfortable. If this happens, the staff will help to resolve the problem.

D. Benefits

There are no direct benefits to you by being in this focus group. The information you give us may help us have a better future study.

G. Compensation

You will be paid \$25 for the time you spend taking part in the focus group.

F. Persons to Contact

This focus group is run by: *[name of principal investigator and phone number]*. You may call [him/her] with any questions about being in the focus group.

If you have questions about your rights as a participant or if you feel that you have been harmed, contact *[IRB committee or contact name and phone number]*.

G. Confidentiality Statement

What you tell us is confidential. Your responses will be labeled with a study number only. No one except the study staff at [**Agency Name**] and CDC will be allowed to see the focus group's comments, *except as otherwise required by law*. Any comments made by persons in this group will not be attached to individual members but to the group as a whole. This focus group will not be audio- or video-taped.

H. Right to Refuse or Withdraw

You may choose not to do this interview without any penalty. You have the right to refuse to answer any questions. You can leave the focus group at any time.

I. Agreement

Do you have any questions?

Moderator: Answer the participant's questions about the focus group before proceeding to the next question.

You have read or had read to you the explanation of this study, you have been given a copy of this form, the opportunity to discuss any questions that you might have and the right to refuse participation. I am going to ask for your assent/consent to participate in this focus group. By saying yes, you agree to participate in the focus group. Do you agree to take part in the focus group?

Date: _____ Moderator initials in box confirm affirmative assent/consent

I have fully explained to the participant the nature and purpose of the procedures described above and the risks involved in its performance. I have asked if any questions have arisen regarding the procedures and have answered these questions to the best of my ability.

Date: _____ Signature of moderator: _____

NHBS-YMSM Preliminary Research Guide- Focus Group

Recruitment Issues

Where are some places around [CITY] that young gay, bisexual and same-sex attracted guys (ages 13-18) hang out? What would it be like if we recruited guys for a research study there?

How would young gay, bisexual, and same-sex attracted guys react to being asked to help us recruit their friends into the research study? How would they react if they received cash as a token of appreciation? What do you think would be an appropriate amount?

How likely will young gay, bisexual, and same-sex attracted guys be to click on a Facebook advertisement for a research study? What types of pictures would be most appealing to young gay, bisexual, and same-sex attracted guys in a Facebook ad for a research study?

How willing would young gay, bisexual, and same-sex attracted guys be to enter their contact information on an online page so we could schedule them for an interview and HIV testing appointment?

HIV Testing Issues

How willing would young gay, bisexual, and same-sex attracted guys be to take an HIV test as part of a research study? How willing would they be if they received cash as a token of appreciation?

What might get in the way of young gay, bisexual, and same-sex attracted guys being willing to take an HIV test as part of a research study? What are some things that we can do that might motivate young gay, bisexual, and same-sex attracted guys to get tested for HIV in this study?

What do you think would be the most acceptable type of HIV test for young gay, bisexual, and same-sex attracted guys? One that uses blood drawn from a vein, fluid from a cheekswab, or blood from a finger prick?

If a young guy tested HIV+ as part of this study, would he be willing to speak to a medical professional about treatment options?


Survey Issues

How long of a survey would young gay, bisexual, and same-sex attracted guys be willing to take? Thirty minutes? Less? More? How long of a survey would young men in this group be willing to take if they received a \$25 token of appreciation? Thirty minutes? Less? More?

What types of questions do you think would be important for us to ask so we can understand sexual behavior in young gay, bisexual, and same-sex attracted men?

Our research project requires an in-person appointment. Where would young gay, bisexual, and same-sex attracted men be willing to take the HIV test and survey? Community agencies (LIST OF LOCAL SERVICE PROVIDERS KNOWN TO YOUTH IN AREA)? A mobile van?

FRONT

3011		<h1>Project ASK</h1> <p>If you are eligible, you can earn \$25.00!</p> <p>Call 1-888-865-4327 for an appointment or more information</p> <p><u>When:</u> Tuesdays and Fridays 9am – 6 pm</p> <p><u>Where:</u> 7125 Central Ave., 2nd Floor</p> <p><u>* This coupon expires on:</u></p> <p>East of Main Street, West of Brick Road</p> <p>Across from Salvation Army</p>	3011
<p style="text-align: right;">*Map on back*</p>			

BACK

<p>MADISON AVENUE</p>		<h1>Project ASK</h1> <p>is located at 7125 Central Avenue between Main Street and Brick Road across from the Salvation Army</p> <h2>1-888-865-4327</h2> <p>Survey ID _____</p> <p>Interviewer ID _____</p>
<p>MAIN STREET</p>		
<p>CREEKDALE</p>	<p>CENTRAL AVENUE</p>	
<p>PEACH TREE</p>	<p>7125 CENTRAL AVENUE</p>	
<p>BRICK ROAD</p>		
<p><i>PLEASE CALL FOR AN APPOINTMENT</i> (ITS FREE CALL FROM ANY PAYPHONE.)</p>		

Appendix H

Eligibility Screener

ELIGIBILITY SCREENER (ES)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preloaded variables	INT3b	METHOD	YMSM Method
Preloaded variables	--	IDATE	Interview date
Interviewer Entered Information	INT2	CITY	City
Interviewer Entered Information	INT4	PEA	VBS: Is this interview a Post Event Appointment?
Interviewer Entered Information	INT10	ISEED	RDS: Respondent is a seed

INTRO_ES. "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. 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

FlowCheck_CALC_RDATE. If INT3b EQ 1 (VBS), go to CALC_RDATE. Else, go to ES1a.

CALC_RDATE.
RDATE Recruitment Date
 RDATE = Shortdate(IF(PEA=0, IDATE, IF(PEA=1, DATEYMD(PEARDTEY, PEARDTEM, PEARDTED), 0)))

ES1a. **How old are you?**
R_AGE Requested Age

__ __
 Range..... 1-99
 Don't Know 99
 Refuse to Answer 77

ES1b. **What is your date of birth?**
DOB date of birth

__ __ / __ __ / __ __ __ __ (MM/DD/YYYY) Unlimited -
 Unlimited
 Don't Know (Year) 9999
 Refuse to Answer (Year) 7777

FlowCheck_CALC_AGE. If ES1b EQ DK or REF, go to CALC_EL_AGE. Else, go to HardEditCheck_ES1b.

HardEditCheck_ES1b.	If ES1b After or EQ IDATE, DISPLAY: "Date of Birth cannot be TODAY or later." Then, go back to ES1b. Else, go to CALC_AGE_1.
----------------------------	--

CALC_AGE_1.	
AGE	QDS calculated age today AGE = AGE(DOB,IDATE)

FlowCheck_ES1_C_AGE.	If the day and month of ES1b EQ the day and month of IDATE, DISPLAY: "Happy Birthday!" Else, go to CALC_AGE_2.
-----------------------------	--

	If R_AGE NE DK and R_AGE NE REF and R_AGE NE AGE, DISPLAY: "You said that you are &[R_AGE] but based on your date of birth you are &[AGE]. It is important that you provide honest answers so that the information that you provide can be used to help the community." Then, go back to ES1a. Else, go to
HardEditCheck_ES2.	CALC_E_AGE.

CALC_EL_AGE.	
E_AGE	Age eligibility calculation If (ES1a EQ DK or ES1a EQ REF) and (ES1b EQ DK or ES1b EQ REF), E_AGE=0. Else, if ES1a < 13 or ES1a > 18 or AGE < 13 or AGE >= 19, E_AGE=0. Else, E_AGE=1.

CALC_AGE_2.	
AGE	QDS calculated age today If ES1a NE DK and ES1a NE REF and (ES1b EQ DK or REF), AGE = R_AGE. Else, AGE=AGE.

ES2. **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
	Known previous participant	2
	Don't Know	9
	Refuse to Answer	7

ES3. **Do you consider yourself to be Hispanic or Latino? [Interviewer: If necessary, say "Just tell me Yes or No."]**

HISPANIC	consider Hispanic, Latino	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

FlowCheck_ES3a.	If ES3 NE 1, go to ES4. Else, go to ES3a.
------------------------	---

ES3a. **What best describes your Hispanic or Latino ancestry? (READ CHOICES. CHECK ALL THAT APPLY)**

HISPTYP	Hispanic Ancestry
HISPTYP A	Mexican
HISPTYP B	Puerto Rican
HISPTYP C	Cuban

HISPTYPD	Dominican	
HISPTYPE	Some other ancestry	
	Don't Know	9
	Refuse to Answer	7

FlowCheck_ES3spec.	If HISPTYPE NE 1, go to ES4. Else, go to ES3spec.
---------------------------	---

ES3spec.	Specify other ancestry:
SPECHISP	specify other ancestry

{text response; max length = 50 characters}

Don't Know	9
Refuse to Answer	7

ES4. **[GIVE RESPONDENT FLASHCARD A.] Which racial group or groups do you consider yourself to be in? You may choose more than one option. [READ CHOICES. CHECK ALL THAT APPLY]**

RACE	racial group	
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

FlowCheck_County of Residence.	If INT2 EQ 1, go to ES5_CHI.
	If INT2 EQ 2, go to ES5_NYC.
	If INT2 EQ 3, go to ES5_PHL.

County of Residence

ES5_CHI.	What county do you currently live in?	
CHICTY	Eligibility, Chicago county of residence	
	Cook County	1
	DeKalb County	2
	DuPage County	3
	Grundy County	4
	Kane County	5
	Kendall County	6
	McHenry County	7
	Will County	8
	Other	88
	Don't Know	99
	Refuse to Answer	77

CALC_CHIEL.

CHIEL	CHIEL = if ((CHICTY=1 OR CHICTY=2 OR CHICTY=3 OR CHICTY=4 OR CHICTY=5 OR CHICTY=6 OR CHICTY=7 OR CHICTY=8), 1,0)
-------	--

FlowCheck_ES5spec_CHI.	If ES5_CHI EQ 88, go to ES5spec. Else, go to CALC_E_CITY.
-------------------------------	---

ES5_NYC.	What county do you currently live in?	
NYCCTY	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
	Hudson County, NJ	10
	Passaic County, NJ	11
	Other	88
	Don't Know	99
	Refuse to Answer	77

CALC_NYCEL.	NYCEL = if ((NYCCTY=1 OR NYCCTY=2 OR NYCCTY=3 OR NYCCTY=4 OR NYCCTY=5 OR NYCCTY=6 OR NYCCTY=7 OR NYCCTY=8 OR NYCCTY=9 OR NYCCTY=10 OR NYCCTY=11), 1,0)
NYCEL	

FlowCheck_ES5spec_NYC.	If ES5_NYC EQ 88, go to ES5spec. Else, go to CALC_E_CITY.
-------------------------------	---

ES5_PHL.	What county do you currently live in?	
PHLCTY	Eligibility, Philadelphia county of residence	
	Bucks County	1
	Chester County	2
	Delaware County	3
	Montgomery County	4
	Philadelphia County	5
	Other	88
	Don't Know	99
	Refuse to Answer	77

CALC_PHELEL.	PHLEL = if ((PHLCTY=1 OR PHLCTY=2 OR PHLCTY=3 OR PHLCTY=4 OR PHLCTY=5), 1,0)
PHLEL	

FlowCheck_ES5spec.	If ES5_PHL EQ 88, go to ES5spec. Else, go to CALC_E_CITY.
---------------------------	---

ES5spec.	Specify other county:
SPECCNTY	Specify other county

{text response; max length = 20 characters}

Don't Know	9
Refuse to Answer	7

CALC_E_CITY.		
E_CITY	Eligible city	E_CITY = if ((CHIEL=1 or NYCEL=1 or PHLEL=1),1,0)

ES5a.
RESY

How long have you been living in &[CITY]?
[Interviewer: If response is in months, enter 0 below and then enter the number of months in the next screen.]

Length of time living in city—years

— — —	0 - 100
Don't Know	999
Refuse to Answer	777

FlowCheck_ES5b_1. If ES1b EQ DK or REF, go to FlowCheck_ES5b_2. Else, go to HardEditCheck_ES5a.

HardEditCheck_ES5a. If ES5a GT AGE, DISPLAY: "Interviewer: The respondent's age is less than the number of years living in the MSA." Then, go back to ES5a. Else, go to FlowCheck_ES5b_2.

FlowCheck_ES5b_2. If ES5a LT 1, go to ES5b. Else, go to ES6.

ES5b.
RESM

Number of months:
Number of months:

— —	0 - 11
Don't Know	99
Refuse to Answer	77

ES6.
BIRTHSEX

What was your sex at birth? [CHECK only ONE]

Sex at birth

Male	1
Female.....	2
Intersex/ambiguous	3
Don't Know.....	9
Refuse to Answer	7

ES7.
GENDER

Do you consider yourself to be male, female or transgender? [CHECK only ONE]

Gender

Male	1
Female.....	2
Transgender	3
Don't Know.....	9
Refuse to Answer	7

[NHBS-YMSM Behavioral Eligibility](#)

INTRO_ES7b.

“READ: Now I’m going to ask you some questions about sexual behavior.”

ES7b.

Are you sexually attracted to other males?

E_EVRMAT

Eligibility: Sexually attracted to other males

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

ES7c.

Do you identify as gay, bisexual, queer, or same gender loving? [INTERVIEWER: Tell respondent they can simply respond yes or no]

E_EVRGBQ

Eligibility: identify as gay or bisexual

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

ES7d.

Have you ever had oral or anal sex with a male?

E_EVROAN

Eligibility: MSM, Ever had sex with man

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

ES7e.

Have you ever had any other type of sexual contact with a male?

E_EVRMSX

Eligibility: MSM, Ever had other type of sex with male

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

CALC_E_SEX.

YMSM Male attraction/sex

E_SEX

eligibility

E_SEX=if(E_EVRMAT=1 or E_EVRGBQ=1 or E_EVROAN=1 or E_EVRMSX=1,1,0)

INTRO_ES8.

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

ES8.

Interviewer: Is this person alert and able to complete the survey in English?

E_ABLE

Eligibility: able to complete

No	0
Yes	1

FlowCheck_ES8a.

If ES8 EQ 0 go to ES8a. Else, go to CALC_EL_YMSM.

ES8a.	Interviewer: Specify reason person not able to complete the interview: [CHECK ALL THAT APPLY.]
E_ABLEA	Eligibility: Reason not able to complete
E_ABLEAA	Not Alert
E_ABLEAB	Not able to complete in English
E_ABLEAC	Thought to be too young
E_ABLEAD	Thought to be too old
E_ABLEAE	Known to be previous participant
E_ABLEAF	Other

FlowCheck_ES8asp_1.	If E_ABLEAF EQ 1, go to ES8asp. Else, go to CALC_EL_YMSM.
----------------------------	---

ES8asp.	Interviewer: Specify the other reason person was not able to complete the interview.
SPECABLA	Specify reason not able to complete

{text response; max characters = 20}

Cycle Eligibility Calculation

CALC_EL_YMSM.

EL_YMSM	Eligible: YMSM cycle	EL_YMSM = if((E_AGE=1 AND E_PART=0 AND E_CITY=1 AND BIRTHSEX=1 AND GENDER=1 AND E_SEX=1 AND E_ABLE=1),1,0)
---------	----------------------	--

CALC_ENDSCR.

ENDSCR	Time eligibility screener ended	ENDSCR = Current time
---------------	---------------------------------	-----------------------

FlowCheck_Eligibility.	If EL_YMSM EQ 0, go to INTRO_END6. Else, 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 CN1.
-------------------------------	--

Appendix I MODEL BEHAVIORAL ASSESSMENT ASSENT/CONSENT FORM

English Version; Grade Reading Level by Flesch-Kincaid Method: 7.7

[INSERT NAME OF LOCAL PROJECT]

The [Agency Name] and the Centers for Disease Control and Prevention (CDC) invite you to be part of a research study of young men that will look into how HIV is spreading and why young men's chances of getting infected with HIV are increasing. The information I will give you can help you decide if you want to join the study.

A. **Why we are doing this project**

The purpose of this study is to find out what we can learn about risk for HIV infection among young men. We will use this information to plan better programs to stop HIV from spreading among young men in your community. We will also use this information to decide if we should do studies like this one in other places. You can choose to be in this study or not.

B. **What will happen**

If you agree to be in this study, this is what will happen.

1. You will do a survey with a trained staff member.

The survey will take about 40 minutes and will ask you questions about:

- Yourself such as your background, education, health insurance, and your family
- Relationships with friends, family, and community
- Mental health
- Sexual life
- Alcohol and drug use
- HIV testing experiences
- Health conditions
- Experiences with violence and bullying
- Experience of being treated unfairly
- Information or help you may have received to protect yourself from getting infected with HIV

2. *[RDS only]* A staff member will explain how to tell up to 5 people you know about taking part in the study. You can decide if you want to tell people you know about the study; there is no penalty for deciding not to. You will receive \$10 for each person who completes the survey because you told him about it.

3. If you agree to the survey, we will offer you a free HIV test. If you already know that you are HIV-infected, we would still like to offer you an HIV test today so that we can keep today's HIV test result together with your survey answers.

4. If you agree to an HIV test, we will ask you if we can store your blood sample for later testing. This is an anonymous survey. We will not ask for your name or other identifying information. The survey has questions that are personal. They may be hard to talk about. You may refuse to answer any questions at any time for any reason. There is no penalty if you refuse to answer a question or you want to stop the survey.

If you agree to the HIV test, a counselor will talk to you for 10- to 15-minutes to explain how HIV spreads and how you can protect yourself and others from getting infected with HIV and other infectious diseases. The counselor will also tell you about HIV test results.

Standard Test [for grantees using the standard test]

For the test, we will [draw less than 1 tablespoon of your blood using a needle/swab the inside of your mouth for oral fluid] and test it for HIV. Your test results will be ready within one week. We will set up a day and time for you to get your results. A counselor will talk to you about what the test result means and we have experienced staff on hand that can help you see a doctor if you test positive for HIV as part of this study. *[For sites that allow HIV test phone results:* If you cannot come back for your HIV test results, you can talk to a counselor about your results by telephone.]

Rapid Test [for grantees using the rapid test]

You can get the result of your HIV test within 1 hour. We will [stick the tip of one of your fingers with a needle to obtain a few drops of blood/take a swab from your mouth]. A counselor will talk to you about what the test result means and we have experienced staff on hand that can help you see a doctor if you test positive for HIV as part of this study. If the test result is positive, or if you know you are already HIV- infected, we will [draw less than 1 tablespoon of your blood from your arm through a needle/stick the tip of one of your fingers to obtain a few drops of blood/swab the inside of your mouth for oral fluid] for a second test to be sure of the result. The result of the second test will be ready within one week. We will set up a day and time for you to get your results.

Rapid Test Algorithm (for grantees using the rapid test algorithm)

You can get the result of your HIV test within 1 hour. We will [stick the tip of one of your fingers to obtain a few drops of blood/take a swab from your mouth]. A counselor will talk to you about what the test result means and we have experienced staff on hand who can help you see a doctor if you test positive for HIV as part of this study. If the first test result is positive, or if you know you are already HIV- infected, we will do up to two additional HIV tests to check the result. For these tests, we will [draw less than 1 tablespoon of your blood from your arm through a needle/stick the tip of one of your fingers to obtain a few drops of blood/swab the inside of your mouth for oral fluid]. Finally, we will use this same [blood/oral fluid] to test your blood in the laboratory to be sure of the result. The result of the laboratory test will be ready within one week. We will set up a day and time for you to get your results.

Link between HIV Test Results and Survey

We will keep your HIV test results with your survey answers so we can learn about how activities that may increase the chance of getting infected with HIV are connected with HIV infection among young men in your community. Your name will not be on the test results or the survey. We will match your HIV test results with your survey answers by putting the same ID number on both. No one besides you will be told your HIV test results, and neither the survey answers nor the test results will be placed in any medical record.

Linkage to HIV Care

If you test positive for HIV, we will work with you to ensure that you are connected to a site of your choosing where you can receive free or low-cost confidential treatment. We have experienced staff on hand to help you see a doctor if you test positive for HIV as a part of this study.

Storage of Blood Sample

We would like to store any blood that is left over after we do your test. We plan to use this sample for studies we will do in the future. We will store your sample with some data about you, such as your age and race. We will not put your name on the sample and there will be no way to know it is yours: thus, we will not be able to report back any test results to you. We will not test for any genetic disease or use blood for cloning. You can decline to let us store your blood and still be in this study. Your blood sample will be destroyed after this testing is completed.

C. Things to consider

There are minimal risks from being in this study:

1. You might feel that some of the questions are personal or embarrassing. All answers you give will be kept private. If there are questions you do not want to answer, you do not have to do so.
2. *[If using standard test and for finger stick]*: Drawing blood may cause temporary discomfort from the needle stick, bruising, bleeding, light-headedness, and local infection.
3. You may feel uncomfortable finding out you might have been infected with HIV. You can talk about your concerns with the counselor who tells you your HIV test results, if you wish.
4. If your HIV test result is negative, there is a slight chance that the results are wrong and that you could still be infected or test positive at some time in the future.

D. Benefits

Benefits you may get from being in this study include:

1. You will receive some condoms and information on HIV/AIDS and STDs.
2. You will, if you wish, get help to use medical services, mental health counseling, and health projects, as needed.
3. If your HIV test results are positive, a counselor will explain how you can protect others from getting infected with HIV. An experienced staff member will help you see a doctor.
4. If your test results are negative, a counselor will explain how you can protect yourself from getting infected with HIV and from other infections spread by sex.

Also, information from this study will help the **[Agency Name]** to know more about HIV and how it spreads. This information will be used to improve health programs and to develop new ways of protecting others from infection and promoting good health.

E. Alternatives

If you choose not to take part in the study but would like to take an HIV test, we will tell you where you can get an HIV test. You will get no medical treatment in this study.

F. Token of Appreciation

For completion of the survey, you will get \$25. If you take part in the HIV test, you will get an additional \$25. *[RDS only]* You will also receive \$10 for each person who completes the survey because you told him about it.

G. Persons to Contact

This study is run by: *[name of principal investigator and phone number]*. You may call *[him/her]* with any questions about being in the study.

If you have questions about your rights as a participant or if you feel that you have been harmed, contact *[IRB committee or contact name and phone number]*.

If you want one, you will get a copy of this form to keep.

H. Confidentiality Statement

What you tell us will be kept private. Your answers to the survey will be labeled with a study ID only. No one except the study staff at **[Agency Name]** and CDC will be allowed to look at the answers to the survey, *except as otherwise required by law*. Your answers will be grouped with survey answers from other persons.

If you know me, you may ask for another staff member so that your answers will be fully private.

I. Costs

You will not be charged for counseling, the HIV test, safer sex and HIV prevention materials, help with getting medical care or other services from other agencies or any other services provided by this study.

J. Right to Refuse or Withdraw

You can decide whether or not to take part in the study. You are not giving up any legal claims or rights for being a part of this study. If you agree to participate, you are free to quit at any time. You can choose to do the survey without having an HIV test.

K. Agreement

Do you have any questions?

Interviewer: Answer the participant's questions before proceeding to the next question.

You have read or had read to you the explanation of this study, you have been given a copy of this form if you want one, the opportunity to discuss any questions that you might have and the right to refuse participation. I am going to ask for your agreement to participate in this study.

(Assent will be documented by the interviewer in the computer as follows:)

Do you agree to take part in the survey?

☐ Yes

☐ No

Do you agree to HIV counseling and testing?

☐ Yes

☐ No

Do you agree to storing a blood sample for future testing?

☐ Yes

☐ No

If survey declined:

We're interested in knowing why people do not want to do this study. Would you mind telling me which of the following best describes the reason you do not want to do this study?

You don't have time..... ☐ 1

You don't want to talk about these topics..... ☐ 2

Some other reason, or ☐ 3

You'd rather not say why..... ☐ 9

NHBS YMSM BEHAVIORAL ASSESSMENT

Pre-loaded Variables

CAI auto-generated variables

ROUND	NHBS Round ROUND = "NHBS-YMSM"
VERSION	Questionnaire Version VERSION = if(TBA)
IDATE	Interview date IDATE = Today's date
START	Start Time START = Current time
MODE	Mode of administration (HAPI or CAPI) MODE = HAPI IF control file is built in HAPI MODE = CAPI IF control file is built in CAPI
DATAFILE	Data file name DATAFILE = Data file name
IDATED	Interview date: Day IDATED = substring(IDATE,3,2)
IDATEM	Interview date: Month IDATEM = substring(IDATE,0,2)
IDATEY	Interview date: Year IDATEY = (TRUNCATE(IDATE/365))+1900
YMSM	YMSM date of first data collection Set to February 1 2014

Computed variables used to determine duration for key events before interview

AGO2YRSL	Two years before interview--text date AGO2YRSL = shortdate(IDATE-731)
AGO2YRS	Two years before interview

AGO2YRS = (IDATE-731)

AGO12_YR Two years ago: Year
AGO12_YR = substring(AGO1YRSL,6,4)

AGO_12MT 12 months ago HIV Testing
AGO_12MT = IDATE-395

AGO_3M 3 months ago
AGO_3M = IDATE-120

AGO_6M 6 months ago
AGO_6M = IDATE-210

Computed variables used to autofill question text

ONEYRM Autofill for interview month, 1 year ago
ONEYRM = if(AGO1YR="01", "January", if(AGO1YR="02", "February", if(AGO1YR="03", "March", if(AGO1YR="04", "April", if(AGO1YR="05", "May", if(AGO1YR="06", "June", if(AGO1YR="07", "July", if(AGO1YR="08", "August", if(AGO1YR="09", "September", if(AGO1YR="10", "October", if(AGO1YR="11", "November", if(AGO1YR="12", "December", "Unspecified"))))))))))))

MONTH Current Month
MONTH = if(idatem="01", "January", if(idatem="02", "February", if(idatem="03", "March", if(idatem="04", "April", if(idatem="05", "May", if(idatem="06", "June", if(idatem="07", "July", if(idatem="08", "August", if(idatem="09", "September", if(idatem="10", "October", if(idatem="11", "November", if(idatem="12", "December", "Unspecified"))))))))))))

DAY Autofill: 30 days before interview (day of month)
DAY = substring(AGO_30,3,2)

ABBREV Ending for day (st, nd, rd, or th)
ABBREV = if((day="01" or day="21" or day="31"), "st", if((day="2" or day="22"), "nd", if((day="03" or day="23"), "rd", if((day="04" or day="05" or day="06" or day="07" or day="08" or day="09" or day="10" or day="11" or day="12" or day="13" or day="14" or day="15" or day="16" or day="17" or day="18" or day="19" or day="20" or day="24" or day="25" or day="26" or day="27" or day="28" or day="29" or day="30"), "th", ""))))

NHBS YMSM BEHAVIORAL ASSESSMENT

Interviewer Entered Information (IE)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preloaded Variables	--	YMSM	YMSM date of first data collection
Preloaded Variables	--	VERSION	Questionnaire Version
Preloaded Variables	--	IDATE	Interview Date

INTRO_VERSION.	DISPLAY: "This is a questionnaire version &[VERSION]."
-----------------------	--

INTRO_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 (XXXX-XXXX). Do not send the completed form to this address."
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INT1. Interviewer ID:
ICODE Interviewer ID

Range..... 1-99

INT2. City
CITY City
Chicago, IL 1
New York City, NY..... 2
Philadelphia, PA..... 3

INT3. Survey ID:
SURID Survey ID
---- ---- ---- Must be 4 digits
Range..... 1-9999

CALC_SURLNGTH.	SURLNGTH = length(SURID)
SURLNGTH	Length of SURID

HardEditCheck_INT3.	If SURLNGTH GT or NE 4, DISPLAY: "The Survey ID must be four digits long." Then, go back to INT3. Else, go to INT3conf1.
----------------------------	--

INT3conf1. Interviewer: The survey ID that you entered was &[SURID]. Is this correct?
C_SURID Survey ID confirmation
No 0
Yes 1

HardEditCheck_INT3conf1.	If INT3conf1 EQ 0, DISPLAY: "Interviewer: Enter the correct survey ID number in the next screen." Then, go back to INT3. Else, go to INT3b.
---------------------------------	---

OMB No: XXXXXX
OMB Exp. Date: XXXXXXXX

Interviewer Entered Information

VBS	1
RDS	2
Facebook	3

FlowCheck_INT4. If INT3b EQ 1, go to INT4. Else, go to INT9.

Recruitment information –YMSM VBS cycle

INT4. Interviewer: Is this interview a Post Event Appointment?

PEA	VBS: Is this interview a Post Event Appointment?	
	No	0
	Yes	1

INT5. Venue Code:

VENUE	Venue Code	
	---- --	{4 alphanumeric characters}

INT6. Event Number:

VBS_EVNT	VBS: Event number	
	---- --	
	Range.....	1-999
	Don't know	9999

FlowCheck_INT7. If INT4 EQ 0, go to Eligibility Screener Section (ES). Else, go to INT7.

Post Event Appointment

INT7. Enter the field site ID for the location of the interview: (If unknown, indicate "Don't Know".)

PEASITE	Field site ID for PEA interview location:	
	---- --	{4 alphanumeric characters}
	Don't know	9999

FlowCheck_CALC_PEALNGTH. If INT7 EQ DK, go to INT8. Else, go to CALC_PEALNGTH.

CALC_PEALNGTH.	PEALNGTH = length(PEASITE)
PEALNGTH	Length of PEASITE

HardEditCheck_INT7. If PEALNGTH NE 4, DISPLAY: "The PEA FIELD SITE ID must be four alphanumeric characters long." Then, go back to INT7. Else, go to INT8.

INT8. Enter the date of the recruitment event: (If unknown, indicate "Don't Know".)

PEARLTE	Date of the PEA recruitment event:	
	___/___/___ (MM/DD/YYYY)	
	Range (Year)	1-9999
	Don't know (Year).....	2099

HardEditCheck_INT8_1. If INT8 GT IDATE and INT8 NE DK, DISPLAY: "The date of the recruitment event cannot be after today's date. Please correct on next screen." Then return to INT8. Else, go to HardEditCheck_INT8_2.

HardEditCheck_INT8_2. If INT8 LT YMSM and INT8 NE DK, DISPLAY: "The date of the recruitment event cannot be before January 1, 2014. Please correct on next screen." Then return to INT8. Else, go to FlowCheck_INT9.

FlowCheck_INT9.	Go to Eligibility Screener Section (ES).
------------------------	--

Recruitment information – YMSM-RDS/Facebook cycles

INT9.	Field Site ID:
FLDSTEID	RDS/Facebook Field site ID
	---- ---- {Must be 2 digits}
	Range..... 0 - 99

CALC_RDSLNGTH.	RDSLNGTH = length(FLDSTEID)
RDSLNGTH	Length of FLDSTEID

HardEditCheck_INT9.	If RDSLNGTH NE 2, DISPLAY: "The Field Site ID must be two digits long." Then return to INT9. Else, go to INT9conf.
----------------------------	--

INT9conf.	Interviewer: The field site ID that you entered was &[FLDSTEID]. Is this correct?
C_SITEID	Field Site ID confirmation
	No 0
	Yes 1

HardEditCheck_INT9conf.	If INT9conf EQ 0, DISPLAY: "Interviewer: Enter the correct field site ID number in the next screen." Then, go back to INT9. Else, go to FlowCheck_INT10.
--------------------------------	--

FlowCheck_INT10.	If INT3b EQ 3, go to Eligibility Screener Section (ES). Else, go to INT10.
-------------------------	--

INT10.	Interviewer: Is participant a seed?
ISEED	RDS: Respondent is a seed
	No 0
	Yes 1

FlowCheck_End of Interviewer Entered Information.	Go to Eligibility Screener Section (ES).
--	--

NHBS YMSM BEHAVIORAL ASSESSMENT

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	INT3b	METHOD	YMSM Method
Preloaded variables	--	IDATE	Interview date
Interviewer Entered Information	INT2	CITY	City
Interviewer Entered Information	INT4	PEA	VBS: Is this interview a Post Event Appointment?

INTRO_ES. "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. 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

FlowCheck_CALC_RDATE. If INT3b EQ 1, go to CALC_RDATE. Else, go to ES1a.

CALC_RDATE.
RDATE Recruitment Date
RDATE = Shortdate(IF(PEA=0, IDATE, IF(PEA=1,DATEYMD(PEARDTEY,PEARDTEM, PEARDTED), 0)))

ES1a. **How old are you?**
R_AGE Requested Age

Range..... 1-30
Don't Know 99
Refuse to Answer 77

ES1b. **What is your date of birth?**
DOB date of birth

___/___/___ (MM/DD/YYYY) Unlimited - Unlimited
Don't Know (Year)..... 9999
Refuse to Answer (Year) 7777

FlowCheck_CALC_AGE_1. If ES1b EQ DK or REF, go to CALC_E_AGE. Else, go to HardEditCheck_ES1b_1.

HardEditCheck_ES1b_1. If ES1b After or EQ IDATE, DISPLAY: "Date of Birth cannot be TODAY or later." Then, go back to ES1b. Else, go to CALC_AGE.

CALC_AGE.
AGE QDS calculated age today AGE = AGE(DOB,IDATE)

FlowCheck_CALC_E_AGE. If the day and month of ES1b EQ the day and month of IDATE, DISPLAY: "Happy Birthday!" Else, go to HardEditCheck_ES1b_2.

HardEditCheck_ES1b_2. If R_AGE NE DK and R_AGE NE REF and R_AGE NE AGE, DISPLAY: "Interviewer: Respondent's age does not match age calculated from date of birth. If this is due to a data entry error, please correct in following screen.
If not, READ: "You said that you are &[R_AGE] but based on your date of birth you are &[AGE]. It is important that you provide honest answers so that the information that you provide can be used to help the community."" Then, go back to ES1a. Else, go to CALC_E_AGE.

CALC_E_AGE.
E_AGE Age eligibility calculation If ES1b EQ DK or ES1b EQ REF, E_AGE=0.
Else, if AGE < 13 or AGE >= 18, E_AGE=0.
Else, E_AGE=1.

ES2. **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
Known previous participant 2
Don't Know 9
Refuse to Answer 7

ES3. **Do you consider yourself to be Hispanic or Latino? [Interviewer: If necessary, say "Just tell me Yes or No."]**
HISPANIC consider Hispanic, Latino
No 0
Yes 1
Don't Know 9
Refuse to Answer 7

FlowCheck_ES3a. If ES3 NE 1, go to ES4. Else, go to ES3a.

ES3a. **What best describes your Hispanic or Latino ancestry? [READ CHOICES. CHECK ALL THAT APPLY]**
HISPTYP Hispanic Ancestry
HISPTYP A Mexican
HISPTYP B Puerto Rican
HISPTYP C Cuban
HISPTYP D Dominican
HISPTYP E Some other ancestry
Don't Know 9

Refuse to Answer 7

FlowCheck_ES3spec. If HISPTYPE NE 1, go to ES4. Else, go to ES3spec.

ES3spec. **Specify other ancestry:**
SPECHISP specify other ancestry

{text response; max length = 50 characters}

Don't Know 9

Refuse to Answer 7

ES4. **[GIVE RESPONDENT FLASHCARD A.] Which racial group or groups do you consider yourself to be in? You may choose more than one option. [READ CHOICES. CHECK ALL THAT APPLY]**

RACE racial group
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

FlowCheck_County of Residence. If INT2 EQ 1, go to ES5_CHI.
If INT2 EQ 2, go to ES5_NYC.
If INT2 EQ 3, go to ES5_PHL.

County of Residence

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

CHICTY Eligibility, Chicago county of residence
Cook County 1
DeKalb County 2
DuPage County 3
Grundy County 4
Kane County 5
Kendall County 6
McHenry County 7
Will County 8
Other 88
Don't Know 99
Refuse to Answer 77

CALC_CHIEL.

CHIEL Chicago eligibility calculation CHIEL = if ((CHICTY=1 OR CHICTY=2 OR CHICTY=3 OR CHICTY=4 OR CHICTY=5 OR CHICTY=6 OR CHICTY=7 OR CHICTY=8), 1,0)

FlowCheck_ES5_NYC. If ES5_CHI EQ 88, go to ES5spec. Else, go to CALC_E_CITY.

ESS_NYC.	What county do you currently live in?	
NYCCTY	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
	Hudson County, NJ	10
	Passaic County, NJ	11
	Other	88
	Don't Know	99
	Refuse to Answer	77

CALC_NYCEL.		NYCEL = if ((NYCCTY=1 OR NYCCTY=2 OR NYCCTY=3 OR NYCCTY=4 OR NYCCTY=5 OR NYCCTY=6 OR NYCCTY=7 OR NYCCTY=8 OR NYCCTY=9 OR NYCCTY=10 OR NYCCTY=11), 1,0)
NYCEL	New York eligibility calculation	

FlowCheck_ES5_PHL. If ESS_NYC EQ 88, go to ES5spec. Else, go to CALC_E_CITY.

ESS_PHL.	What county do you currently live in?	
PHLCTY	Eligibility, Philadelphia county of residence	
	Bucks County	1
	Chester County	2
	Delaware County.....	3
	Montgomery County	4
	Philadelphia County	5
	Other	88
	Don't Know	99
	Refuse to Answer	77

CALC_PHLEL.		PHLEL = if ((PHLCTY=1 OR PHLCTY=2 OR PHLCTY=3 OR PHLCTY=4 OR PHLCTY=5), 1,0)
PHLEL	Philadelphia eligibility calculation	

FlowCheck_ES5spec. If ESS_PHL EQ 88, go to ES5spec. Else, go to CALC_E_CITY.

ES5spec.	Specify other county:	
SPECCNTY	Specify other county	

	{text response; max length = 20 characters}	
	Don't Know	9
	Refuse to Answer	7

CALC_E_CITY.

E_CITY	Eligible city	E_CITY = if ((CHIEL=1 or NYCEL=1 or PHLEL=1),1,0)
--------	---------------	---

ES5a. **How long have you been living in &[CITY]?**
RESY **[Interviewer: If response is in months, enter 0 below and then enter the number of months in the next screen.]**
Length of time living in city—years

— —

Range.....	0-30
Don't Know.....	999
Refuse to Answer	777

FlowCheck_ES5b_1. If ES1b EQ DK or REF, go to FlowCheck_ES5b_2. Else, go to HardEditCheck_ES5a.

HardEditCheck_ES5a. If ES5a GT AGE, DISPLAY: "Interviewer: The respondent's age is less than the number of years living in the MSA." Then, go back to ES5a. Else, go to FlowCheck_ES5b_2.

FlowCheck_ES5b_2. If ES5a LT 1, go to ES5b. Else, go to ES6.

ES5b. **Number of months:**
RESM **Number of months:**

— —

Range.....	0-11
Don't Know.....	99
Refuse to Answer	77

ES6. **What was your sex at birth? [CHECK only ONE]**
BIRTHSEX **Sex at birth**

Male	1
Female.....	2
Intersex/ambiguous	3
Don't Know.....	9
Refuse to Answer	7

ES7. **Do you consider yourself to be male, female or transgender? [CHECK only ONE]**
GENDER **Gender**

Male	1
Female.....	2
Transgender	3
Don't Know.....	9
Refuse to Answer	7

NHBS-YMSM Behavioral Eligibility

INTRO_ES7a. "READ: Now I'm going to ask you some questions about sexual behavior."

ES7a. **Are you sexually attracted to other males?**
E_EVRMAT **Eligibility: Sexually attracted to other males**

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

ES7b. Do you identify as gay, bisexual, queer, or same gender loving? [Interviewer: Tell respondent they can simply respond yes or no]

E_EVRGBQ Eligibility: identify as gay or bisexual

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

ES7c. Have you ever had oral or anal sex with a male?

E_EVROAN Eligibility: MSM, Ever had sex with man

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

ES7d. Have you ever had any other type of sexual contact with a male?

E_EVRMSX Eligibility: MSM, Ever had other type of sex with male

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

CALC_E_SEX.

E_SEX	YMSM Male attraction/sex eligibility	E_SEX=if(E_EVRMAT=1 or E_EVRGBQ=1 or E_EVROAN=1 or E_EVRMSX=1,1,0)
-------	--------------------------------------	--

INTRO_ES8.

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

ES8. Interviewer: Is this person alert and able to complete the survey in English?

E_ABLE Eligibility: able to complete

No	0
Yes	1

FlowCheck_ES8a.

If ES8 EQ 0 go to ES8a. Else, go to CALC_EL_YMSM.

ES8a. Interviewer: Specify reason person not able to complete the interview: [CHECK ALL THAT APPLY.]

E_ABLEA	Eligibility: Reason not able to complete
E_ABLEAA	Not alert
E_ABLEAB	Not able to complete in English
E_ABLEAC	Thought to be too young
E_ABLEAD	Thought to be too old
E_ABLEAE	Known to be previous participant
E_ABLEAF	Other

FlowCheck_ES8asp.	If E_ABLEAF EQ 1, go to ES8asp. Else, go to CALC_EL_YMSM.
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ES8asp. SPECABLA	Interviewer: Specify the other reason person was not able to complete the interview. Specify reason not able to complete
----------------------------	--

{text response; max characters = 20}

Cycle Eligibility Calculation

CALC_EL_YMSM.

EL_YMSM	Eligible: YMSM cycle	EL_YMSM = if((E_AGE=1 AND E_PART=0 AND E_CITY=1 AND BIRTHSEX=1 AND GENDER=1 AND E_SEX=1 AND E_ABLE=1),1,0)
---------	----------------------	--

CALC_ENDSCR.

ENDSCR	Time eligibility screener ended	ENDSCR = Current time
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FlowCheck_Eligibility.

If EL_YMSM EQ 0, go to INTRO_END6. Else, 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 CN1.
--

NHBS YMSM BEHAVIORAL ASSESSMENT

CONSENT (CN)

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

CN1. Do you agree to take part in the survey?

CONSENTA Consent to the survey

No 0

Yes 1

SoftEditCheck_CN2. If CN1 EQ 0, DISPLAY: "Thank you for answering the questions." Then, go to CN4. Else, go to CN2.

CN2. Do you agree to HIV counseling and testing?

CONSENTB Consent to HIV testing

No 0

Yes 1

SoftEditCheck_CN3. If CN2 EQ 0, DISPLAY: "Interviewer: You have documented that the person DID NOT consent to HIV counseling and testing. If this is not correct, please arrow back and re-enter the consent for HIV testing." Then, go to CN5a. Else, go to CN3.

CN3. Do you agree to let us store a sample of your blood for future testing?

CONSENTC Consent to Blood Storage

No 0

Yes 1

SoftEditCheck_CN4. If CN3 EQ 0, DISPLAY: "Interviewer: You have documented that the person DID NOT consent to storing a sample of blood for future testing. If this is not correct, please arrow back and re-enter the consent for blood storage." Then, go to CN5a. Else, go to CN5a.

CN4. We're interested in knowing why people do not want to do this study. Would you mind telling me which of the following best describes the reason you do not want to do this study? [READ CHOICES. CHECK ALL THAT APPLY.]

DECLINE Reason for decline to do study

DECLINEA You don't have time

DECLINEB You don't want to talk about these topics

DECLINEC Some other reason

DECLINED You'd rather not say why

FlowCheck_CN4b. If DECLINEC EQ 1, go to CN4b. Else, go to END9.

CN4b. Interviewer: Specify the other reason person declined participation in this study.

{text response; max characters = 50}

FlowCheck_CN5a.

Go to END9.

CN5a.

COMPRHNA

Interviewer: Ask the participant to name at least two potential risks incurred as a result of participating in this study. Does the participant give a satisfactory answer?

Assent comprehension 1

No 0

Yes 1

CN5b.

COMPRHNB

Interviewer: Ask the participant to explain what he would do if he decides that he no longer wishes to participate Does the participant give a satisfactory answer?

Assent comprehension 2

No 0

Yes 1

CN5c.

COMPRHNC

Interviewer: Ask the participant to explain what he would do if he is experiencing distress or discomfort. Does the participant give a satisfactory answer?

Assent comprehension 3

No 0

Yes 1

CN5d.

COMPRHND

Interviewer: Ask the participant to name at least two things that will be expected of him in terms of participant cooperation during the study. Does the participant give a satisfactory answer?

Assent comprehension 4

No 0

Yes 1

FlowCheck_EndofConsent.

Go to OMB Statements.

NHBS YMSM BEHAVIORAL ASSESSMENT

OMB Statements

NHBS-YMSM: Core Questionnaire

YMSM Cycle OMB Statement

Public reporting burden of this collection of information is estimated to average 30 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 (XXXX-XXXX). Do not send the completed form to this address.

FlowCheck_MSM_CORE. Go to CORE INTRO STATEMENT.
--

NHBS YMSM BEHAVIORAL ASSESSMENT

CORE INTRO STATEMENT

[Core Intro](#)

P01CSTARTING		
INTRO_YMSM.	DISPLAY: "GET READY TO BEGIN THE SURVEY"	
START_C	Interview start time	START_C = Current time

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

NHBS YMSM QUESTIONNAIRE

NETWORK SECTION

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preloaded variables	INT3b	METHOD	YMSM Method
Interviewer Entered Information	INT2	CITY	City

Recruiter Relationship. NHBS-YMSM- RDS

CALC_S_TXT.			
S_TXT	Network size – subtoken text	S_TXT = if(INT3b EQ 2, ‘ ‘, ‘Please include the person who gave you the coupon.’)	

CALC_S_TXTCPN.			
S_TXTCPN	Network size – subtoken text	S_TXTCPN = if(INT3b EQ 2, ‘ ‘, ‘Did you include the person who gave you the coupon?’)	

FlowCheck_INTRO_NS1.	If INT3b EQ 1 or 3, go to INTRO_NS3. Else, go to INTRO_NS1.		
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Recruiter Relationship. NHBS-YMSM

INTRO_NS1.	“ READ: I’m going to start by asking you about the person who gave you this coupon. Please remember that your answers will be kept private.”		
-------------------	---	--	--

NS1.	[GIVE RESPONDENT FLASHCARD B.] Which of the following describes how you know the person who gave you this coupon? You can choose more than one answer. [READ CHOICES. CHECK ALL THAT APPLY.]		
NS_YREL	Relationship to Recruiter		
NS_YRELA	A relative or family member		
NS_YRELB	A person you have sex with		
NS_YRELC	A friend		
NS_YRELD	An acquaintance (that is, a person you know, but do not consider a friend)		
NS_YRELE	A stranger (you don’t know the person/just met them)		
	Refuse to Answer		7

HardEditCheck_NS1.	If NS_YRELE EQ 1 and (NS_YRELA or NS_YRELB or NS_YRELC or NS_YRELD EQ 1), then DISPLAY: “Interviewer: Respondent cannot choose stranger along with some other relationship type. Clarify respondent’s relationship with their recruiter.” Then, go back to NS1. Else, go to FlowCheck_NS2CONF.		
---------------------------	--	--	--

FlowCheck_NS2CONF.	If NS_YRELE NE 1, go to INTRO_NS3. Else, go to NS2CONF.		
---------------------------	---	--	--

When and where did you first see this person?

NS2CONF.	Interviewer: If the respondent indicates that he first saw the recruiter in a situation related to the project (e.g. receiving their coupon, waiting outside of the storefront, etc.), then check Recruiter is a stranger.		
NS_R_STR	confirmation: recruiter is a stranger		
	Recruiter is a stranger		1
	Recruiter is not a stranger		2

FlowCheck_INTRO_NS3. If NS2CONF EQ 2, go back to NS1. Else, go to INTRO_NS3.

YMSM Network

INTRO_NS3. DISPLAY: "Now, I'm going to ask you about people you know. Specifically, I'm going to ask you about how many people you know in &[CITY] that you have seen at least once in the past 30 days. I will not ask you any questions about any specific person."

NS3. Please tell me how many male friends, relatives or people you hang out with that you have seen in the past 30 days, are between 13 and 17 years old, and live in &[CITY]. &[S_TXT]
NS_MA # males known: net size

Range..... 0-7500
Don't Know..... 9
Refuse to Answer 7

FlowCheck_NS3a. If NS3 EQ 0, DK or REF, go to Demographic Section. Else, go to NS3a.

NS3a. Of these &[NS3] males, how many are attracted to other males?
NS_YMSM # males known: YMSM

Range..... 0-7500
Don't Know..... 9
Refuse to Answer 7

FlowCheck_NS3b_1. If NS3a EQ 0, go to NS3CONF. Else, go to FlowCheck_NS3b_2.

FlowCheck_NS3b_2. If NS3a EQ 1, 2, or 3, go to NS4CONF. Else, go to NS3b.

NS3b. So in the past 30 days you've seen &[NS3a] male friends, relatives, or people you hang out with that live in &[CITY], are between 13 and 17 years old, and who are attracted to other males. Would you say that &[NS3a] people is about right?
NS_YCHCK Confirmation: NS_YMSM correct

Yes, about right 0
No, you actually know LESS people 1
No, you actually know MORE people 2
Don't Know 9
Refuse to Answer 7

FlowCheck_NS3CONF_1. If NS3b EQ 1 or 2, go to NS3x2. Else, go to Demographic Section.

NS3CONF. You said you haven't seen anyone in the past 30 days in &[CITY] who is a male friend, relative, or someone you hang out with who is between 13 and 17 years old and who is attracted to other males. Is this correct?
NS_YZERO &[S_TXTCPN]

Confirmation: NS_YMSM = 0
No - - DOES know others 0
Yes - - does NOT know any others..... 1

FlowCheck_NS4CONF_1. If NS3CONF EQ 1, go to Demographic Section. Else, go to FlowCheck_NS4CONF_2.

FlowCheck_NS4CONF_2. If NS3CONF EQ 0, DISPLAY: "Interviewer: Please re-enter the correct network size." Then, go to NS3x2.

NS4CONF.
NS_YLWS **Is there anyone else you know in &[CITY] who is a male friend, relative, or someone you hang out with who is between 13 and 17 years old, who is attracted to other males, and who you've seen in the past 30 days?**
 &[S_TXTCPN]
 Confirmation: NS_YMSM < 4
 No - - Does NOT know any others 0
 Yes - - DOES know others 1

FlowCheck_NS3x2_1. If NS4CONF EQ 0, go to Demographic Section. Else, go to FlowCheck_NS3x2_2.

FlowCheck_NS3x2_2. If NS4CONF EQ 1, DISPLAY: "Interviewer: Please re-enter the correct network size." Then, go to NS3x2.

NS3x2.
NS_YMSM2 **Please tell me how many male friends, relatives or people you hang out with that you have seen in the past 30 days, are between 13 and 17 years old, are attracted to other males, and live in &[CITY]? &[S_TXT]**
 # males known: net size, 2nd loop

 Range..... 0-7500
 Don't Know..... 9
 Refuse to Answer 7

FlowCheck_NS3bx2. If NS3x2 EQ 0, DK or REF, go to Demographic Section. Else, go to NS3bx2.

NS3bx2.
NS_YCHK2 **So in the past 30 days you've seen &[NS3x2] male friends, relatives, or people you hang out with that live in &[CITY], are between 13 and 17 years old, and who are attracted to other males. Would you say that &[NS3x2] people is about right?**
 Confirmation: NS_YMSM correct, 2nd loop
 Yes, about right 0
 No, you actually know LESS people 1
 No, you actually know MORE people 2
 Don't Know 9
 Refuse to Answer 7

FlowCheck_EndofNetwork Go to Demographic Section (DM).
Section.

NHBS YMSM QUESTIONNAIRE

DEMOGRAPHICS (DM)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preloaded variables	--	ONEYRM	Autofill for interview month, 1 year ago
Preloaded variables	--	IDATE	Interview date
Interviewer Entered Information	INT2	CITY	City
Eligibility Screener	ES1b	DOB	Date of birth

INTRO_DM1. "READ: Next, I'd like to ask you about your background and where you live. Please remember your answers will be kept private."

DM1. What zip code do you live in?
ZIP Zip Code

Range..... 500-99501
Don't Know..... 9
Refuse to Answer 7

HardEditCheck_DM1. If length of DM1 NE to 5 digits, DISPLAY: "Interviewer: The ZIP code you entered was &[ZIP]. This number should be 5 digits in length. Please re-enter the zip code." Then, go back to DM1. Else, go to INTRO_DM2.

INTRO_DM2. DISPLAY: "Interviewer: Show respondent map of metropolitan statistical area."

DM2. Please take a look at this map. Can you point to the area where you live? [Interviewer: enter 6 digit census tract]
CENTRACT Census Tract

Range..... 0-999999
Don't Know..... 999999
Refuse to Answer 777777

FlowCheck_DM3. If length of DM2 NE to 6 digits, DISPLAY: "Census tracts must be six digits in length" Then, go back to DM2. Else, go to DM3.

DM3. What country were you born in? [DO NOT read choices. CHECK only ONE.]

COUNTRY Country of birth
United States..... 1
Mexico..... 2
Puerto Rico..... 3
Cuba 4
Other 5
Don't Know..... 9
Refuse to Answer 7

FlowCheck_DM3spec_1. If DM3 EQ 1, DK, or REF go to INTRO_DM4. Else, go to FlowCheck_DM3spec_2.

FlowCheck_DM3spec_2. If DM3 EQ 2, 3, or 4, go to DM3a. Else, if DM3 EQ 5, go to DM3spec.

DM3spec. **Specify the country where you were born:**
SPECBORN Specify country of birth

{text response; max length = 50 characters}

DM3a. **What year did you first come to live in the United States?**
YEARUSA Year first came to US

Range..... 1995-Current
Don't Know 9999
Refuse to Answer 7777

CALC_USYR.
USYR Year came to US USYR = DATEYMD(YEARUSA, 1, 1)

HardEditCheck_DM3a_1. If USYR GT IDATE, DISPLAY: "The year first came to US cannot be after the current date." Then go back to DM3a. Else, go to HardEditCheck_DM3a_2.

HardEditCheck_DM3a_2. If DM3a LT ES1b, DISPLAY: "The year first came to US cannot be before your birth year." Then go back to DM3a. Else, go to DM3b.

DM3b. **What language are you most comfortable using with your family and friends? [DO NOT read choices. CHECK only ONE.]**
LANGPREF

Language preferred
English 1
Spanish 2
Chinese 3
Tagalog 4
Russian..... 5
Korean 6
Polish..... 7
Portuguese 8
Other 9
Don't Know 99
Refuse to Answer 77

FlowCheck_DM3bspec. If DM3b EQ 9, go to DM3bspec. Else, go to INTRO_DM4.

DM3bspec. **Specify language preferred**
SPECLANG Specify language preferred

{text response; max length = 30 characters}

INTRO_DM4. "READ: The next few questions will ask about your family and your education."

DM4. **[GIVE RESPONDENT FLASHCARD C] Who did you live with for most of your childhood?**
[READ CHOICES. CHECK only ONE.]

FMSTRC1 Family Structure

Biological or adoptive mother only	1
Biological or adoptive father only	2
Both biological or adoptive parents	3
Stepparent and biological parent	4
Biological grandparent(s) or other relative	5
Foster parent(s)	6
Another adult only, such as a stepparent, or other living situation such as a group home.....	7
Refuse to Answer	77
Don't know	99

DM5. **Are you currently in school? [Interviewer: if respondent is on non-summer break such as winter or spring break, select YES.]**

SCHOOL1 Education – currently in school

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

FlowCheck_DM5a_1. If DM5 EQ 1, go to CALC_SCHL_TXT. Else, go to FlowCheck_DM5a_2.

FlowCheck_DM5a_2. If DM5 EQ DK or REF, go to DM5c. Else, go to DM5a.

DM5a. **Do you plan to return to school for the next semester or quarter?**

SCHOOL1A Education – returning in fall

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

FlowCheck_DM5b. If DM5a EQ 0, DK, or REF, go to DM5c. Else, go to CALC_SCHL_TXT.

CALC_SCHL_TXT. Calculated School substitution text SCHL_TXT = If(DM5 EQ 1, "are you currently in", "will you be in next semester or quarter").

DM5b. **What grade &[SCHL_TXT]? [DO NOT read choices. CHECK only ONE.]**

SCHOOL2 Education – current or next grade

Less than grade 6.....	1
Grade 6.....	2
Grade 7.....	3
Grade 8.....	4

Grade 9.....	5
Grade 10.....	6
Grade 11.....	7
Grade 12.....	8
Technical/vocational school.....	9
GED program.....	10
College.....	11
Graduate school (MBA, MD, PhD, JD, etc.)	12
Don't Know.....	99
Refuse to Answer	77

DM5c.
SCHOOL3

What is the highest level of education you completed? [DO NOT read choices. CHECK only ONE.]

Education – highest grade completed

Less than grade 6.....	1
Grade 6.....	2
Grade 7.....	3
Grade 8.....	4
Grade 9.....	5
Grade 10.....	6
Grade 11.....	7
Grade 12.....	8
Technical/vocational school	9
GED program	10
College	11
Graduate school (MBA, MD, PhD, JD, etc)	12
Don't Know	99
Refuse to Answer.....	77

DM5d.
PAREduc

What is the highest level of education that either of your parents or guardians completed? [DO NOT read choices. CHECK only ONE.]

Highest level of parental education

Less than high school graduate.....	1
High school graduate.....	2
Technical/vocational school	3
Some college.....	4
College degree	5
Graduate degree (MBA, MD, PhD, JD, etc.)	6
Don't Know	99
Not Applicable	88
Refuse to Answer	77

DM6.
EMPSTAT

On average, how many hours per week do you work for pay? [Interviewer: If participant does not work, enter 0]

Employment status

Range.....	0-168
Don't Know	999
Refuse to Answer	777

DM7.
HOMLSS

[GIVE RESPONDENT FLASHCARD D] Which of the following best describes your current living situation? [READ CHOICES. CHECK only ONE.]

Current living situation

Living with parents or guardians	1
--	---

Living alone in house/apartment/dwelling	2
Living with other relatives	3
Living with other adults who are not relatives	4
Living with friend(s) or roommate(s)	5
Living with a sexual partner/boyfriend/girlfriend	6
Living in a school dormitory	7
Homeless	8
Other	9
Don't Know	99
Refuse to Answer	77

FlowCheck_DM8. If DM7 EQ 9, go to DM8. Else, go to DM9.

DM8. **Specify other living situation:**
SPEHMLS Specify other living situation

{text response; max characters = 50}

DM9. **In the past 12 months, was there a time where there wasn't enough money in your house for rent, food, or utilities such as gas, electric, or phone?**
LOWSES Household SES

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

DM10. **Have you ever been kicked out of your house or run away?**
KICKOUT1 Kicked out of house

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

FlowCheck_DM10a. If DM10 EQ 1, go to DM10a. Else, go to INTRO_DM11.

DM10a. **Was this because someone knew or assumed you were attracted to males?**
KICKOUT2 Kicked out of home for being SGM

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

INTRO_DM11. "READ: The next questions are about health insurance. By health insurance, we mean health plans people get through employment or purchased directly as well as government programs like Medicare and Medicaid that provide medical care or help pay medical bills."

DM11. **Do you currently have health insurance or health care coverage?**
CURRHLTH Currently have health insurance

No	0
Yes	1

Don't Know 9
Refuse to Answer 7

FlowCheck_DM11a. If DM11 EQ 1, go to DM11a. Else, go to DM11b.

DM11a. [GIVE RESPONDENT FLASHCARD E] What kind of health insurance or coverage do you currently have? [READ CHOICES. CHECK ALL THAT APPLY.]

TYP_INS Type of health insurance
TYP_INSA A private health plan through your parents or guardians
TYP_INSB Medicaid, which is for people with low incomes
TYP_INSC Medicare, which is for the elderly and people with disabilities
TYP_INSD Some other government plan
TYP_INSE TRICARE (CHAMPUS)
TYP_INSF Veterans Administration coverage
TYP_INSG Some other health care plan
Don't Know 99
Refuse to Answer 77

FlowCheck_DM11spec. If TYP_INSG EQ 1, go to DM11spec. Else, go to DM11b.

DM11spec. Specify other health insurance or coverage:
SPECINS Specify other health insurance

Specify other health insurance {text response; max characters = 50}

DM11b. Is there a particular doctor's office, clinic, health center or other place that you usually go if you are sick or need advice about your health?

SRCCAREA Have a usual source of care
No 0
Yes 1
Don't Know 9
Refuse to Answer 7

FlowCheck_DM11b.1_1. If DM11b EQ 1, go to CALC_HC_CARE. Else, go to FlowCheck_DM11b.1_2.

FlowCheck_DM11b.1_2. If DM11b EQ DK or REF, go to DM12. Else, go to DM11b.1.

DM11b.1. Is this because there is no place you go for health care or because there is more than one place?

SRCCAREB Why no usual source of care
There is NO place 1
There is MORE THAN ONE place 2
Don't Know 9
Refuse to Answer 7

FlowCheck_CALC_HC_CARE. If DM11b.1. EQ 1, DK or REF, go to DM12. Else, go to CALC_HC_CARE.

CALC_HC_CARE.

HC_CARE	Substitution text: HC care	HC_CARE = if(SRCCAREA=1, "is it", if(SRCCAREA^=1, "do you go to most often", ""))
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DM11c. **What kind of place &[HC_CARE] - a clinic, doctor's office, emergency room, or some other place? [CHECK only ONE.]**
SRCLOC Location of usual care

Clinic or health center	1
Doctor's office or HMO	2
Hospital Emergency room	3
Doesn't go to one place most often	4
Other	5
Don't Know	9
Refuse to Answer	7

FlowCheck_DM11cspec. If DM11c EQ 5, go to DM11cspec. Else, go to DM12.

DM11cspec. **Specify other kind of place of usual care:**
SPEUSC Specify other place of usual care

{text response; max characters = 50}

DM12. **In the past 12 months, that is, since &[ONEYRM] of last year, have you seen a doctor, nurse, or other health care provider?**
VSITMD12 Visit HC provider past 12 months

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

FlowCheck_DM12a. If DM12 EQ 1, go to DM12a. Else, go to FlowCheck_DM12b.

DM12a. **At any of those times you were seen, were you offered an HIV test? An HIV test checks whether someone has the virus that causes AIDS.**
RECCHIV H-c provider offered HIV test

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

FlowCheck_DM12b. If DM12 EQ 0, DK, or REF, go to DM12b. Else, go to DM12c.

DM12b. **About how long has it been since you last saw a doctor, nurse, or other health care provider about your own health? Would you say it was...[READ CHOICES. CHECK only ONE.]**
WHENLHCP When last visited health care provider

Between 1-2 years ago	1
More than 2 years ago	2
Don't Know	9
Refuse to Answer	7

DM12c.		During the past 12 months, was there any time when you needed medical care but didn't get it because it wasn't affordable?
HCAFF	Lacked health care due to cost	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

INTRO_DM13.	"READ: The next few questions will ask about your sexual orientation and identity."
--------------------	--

DM13.		Do you consider yourself to be: [READ CHOICES. CHECK only ONE.]
IDENTITY	Sexual identity	
	Heterosexual or "Straight"	1
	Homosexual, or Gay	2
	Bisexual	3
	Don't Know	9
	Refuse to Answer	7

DM13b.		Do you identify with any of the following: [READ CHOICES. CHECK ALL THAT APPLY.]
QUEER2	Sexual identity 2	
QUEERA	Questioning or unsure	
QUEERB	Queer	
QUEERC	Other	
QUEERD	None of the above	
	Don't Know	9
	Refuse to Answer	7

HardEditCheck_DM13b.	If QUEERD EQ 1 and (QUEERA or QUEERB or QUEERC EQ 1), then DISPLAY: "Respondent cannot choose none of the above in combination with another response." Then, go back to DM13b. Else, go to FlowCheck_DM13bspec.
-----------------------------	---

FlowCheck_DM13bspec.	If DM13b EQ 3, go to DM13bspec. Else, go to DM13c.
-----------------------------	--

DM13bspec.	Specify other sexual identity:
OTHSEXID	Specify other sexual identity

{text response; max characters = 50}

DM13c.		Do you consider yourself to be: [READ CHOICES. CHECK only ONE.]
GENCONFa	Gender Conformity	
	Very masculine	1
	Mostly masculine	2
	Both masculine and feminine	3
	Mostly feminine	4
	Very feminine	5
	Don't Know	9
	Refuse to Answer	7

DM13d.	When choosing a sexual or dating partner, what type of male are you most attracted to? [READ CHOICES. CHECK only ONE.]
---------------	---

GENCONFb	Preferred gender performance of partner	
	Males you consider to be masculine	1
	Males you consider to have both masculine and feminine qualities	2
	Males you consider to be feminine	3
	It doesn't matter if he is masculine or feminine.....	4
	Don't Know	9
	Not Applicable.....	8
	Refuse to Answer	7

DM14a.	Have you ever told anyone that you identify as gay or bisexual or that you are attracted to or have sex with males?	
OUT_GI	Outness among gay identified respondents- y/n	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

FlowCheck_INTRO_DM14b.1.	If DM14a EQ 0, DK or REF, go to INTRO_DM15a. Else, go to INTRO_DM14b.1.
---------------------------------	---

INTRO_DM14b.1.	"READ: I'm going to read you a list of people you may have told. Please tell me which ones apply. Have you told: [READ CHOICES, CHECK NO OR YES FOR EACH ONE.]"
-----------------------	--

DM14b.1.	Gay, lesbian, or bisexual friends	
OUT_GI1	Gay identified: Told gay, lesbian, bisexual friends	
	No	0
	Yes.....	1
	Don't Know	9
	Refuse to Answer.....	7

DM14b.2.	Friends who are NOT gay, lesbian, or bisexual	
OUT_GI2	Gay identified: Told friends who are NOT gay, lesbian, bisexual	
	No	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

DM14b.3.	Your mother or the woman who raised you	
OUT_GI3	Gay identified: Told mother figure	
	No	0
	Yes.....	1
	Don't Know	9
	Not Applicable.....	8
	Refuse to Answer.....	7

FlowCheck_DM14b.3a.	IF DM14b.3 EQ 1, go to DM14b.3a. Else, go to DM14b.4.
----------------------------	---

DM14b.3a.	How did she respond? [READ CHOICES. CHECK only ONE.]	
MOMDISCR	Mother or female caregiver response to coming out	
	Very Positively	1
	Positively	2
	No Reaction	3
	Negatively	4

Very Negatively	5
Don't Know.....	9
Refuse to Answer	7

DM14b.4	Have you told your father or the man who raised you?	
OUT_GI4	Gay identified: Told father figure	
	No.....	0
	Yes	1
	Don't Know.....	9
	Not Applicable.....	8
	Refuse to Answer	7

FlowCheck_DM14b.4a.	IF DM14b.4 EQ 1, go to DM14b.4a. Else, go to DM14b.5.
----------------------------	---

DM14b.4a.	How did he respond? [READ CHOICES. CHECK only ONE.]	
DADDISCR	Father or male caregiver response to coming out	
	Very Positively	1
	Positively	2
	No Reaction.....	3
	Negatively.....	4
	Very Negatively	5
	Don't Know.....	9
	Refuse to Answer	7

DM14b.5.	Have you told other family members?	
OUT_GI5	Gay identified: Told family members	
	No.....	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

DM14b.6.	Female sex partners	
OUT_GI6	Gay identified: Told female sex partners	
	No.....	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7
	Not Applicable.....	8

DM14b.7.	Health care providers	
OUT_GI7	Gay identified: Told health care provider	
	No.....	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7
	Not Applicable.....	8

DM14b.8.	Therapists, counselors, or social workers	
OUT_GI8	Gay identified: Told therapist, counselor or social worker	
	No.....	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

Not Applicable 8

INTRO_DM15a. **"READ: During the past 12 months, have any of the following things happened to you because someone knew or assumed you were attracted to males? [READ CHOICES, CHECK NO OR YES FOR EACH ONE.]"**

DM15a. You were called names or insulted

DISC_GIA Gay-identified: Discrimination - verbal

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

DM15b. You received poorer services than other people in restaurants, stores, other businesses or agencies

DISC_GIB Gay-identified: Discrimination - poor service

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

DM15c. You were treated unfairly at work or school

DISC_GIC Gay-identified: Discrimination - work / school

No 0
Yes 1
Don't Know 9
Refuse to Answer 7
Not Applicable 8

DM15d. You were denied or given lower quality health care

DISC_GID Gay identified: Discrimination – health care

No 0
Yes 1
Don't Know 9
Refuse to Answer 7
Not Applicable 8

DM15e. You were physically attacked or injured

DISC_GIE Gay-identified: Discrimination - phys assaulted

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

INTRO_DM16a. **"READ: The next two questions ask about bullying. Bullying is when one or more people tease, threaten, spread rumors about, hit, shove or hurt another person over and over again. For these questions, I want to know if you have been bullied because others knew or assumed you were attracted to other males."**

DM16a. During the past 12 months, have you been bullied through email, chat rooms, instant messaging, websites, social media, or texting because others knew or assumed you were attracted to other males?

EBULLY Bullied electronically

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

DM16b. SCLBULLY	During the past 12 months, have you been bullied in person because others knew or assumed you were attracted to other males?	
	Bullied	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

INTRO_DM17a.	"READ: Next, I'm going to read you some statements. Please tell me how strongly you agree or disagree with them, using one of the options on this card. [GIVE RESPONDENT FLASHCARD F]"
---------------------	--

FlowCheck_DM17a.	If DM13 EQ 1, go to DM17b. Else, go to DM17a.
-------------------------	---

DM17a. INTHMPH1	I wish I weren't gay/bisexual. Do you... [READ CHOICES. CHECK only ONE.]	
	Internalized homophobia- desire not to be gay	
	Strongly agree	1
	Agree	2
	Neither agree nor disagree.....	3
	Disagree.....	4
	Strongly disagree.....	5
	Don't Know	9
	Refuse to Answer	7

DM17b. INTHMPH2	I have tried to stop being attracted to males in general. Do you... [READ CHOICES. CHECK only ONE.]	
	Internalized homophobia- stop same sex attraction	
	Strongly agree	1
	Agree	2
	Neither agree nor disagree.....	3
	Disagree.....	4
	Strongly disagree.....	5
	Don't Know	9
	Refuse to Answer	7

FlowCheck_DM17c.	If DM13 EQ 1, go to DM18. Else, go to DM17c.
-------------------------	--

DM17c. INTHMPH3	If someone offered me the chance to be completely heterosexual, I would accept the chance. Do you... [READ CHOICES. CHECK only ONE.]	
	Internalized homophobia- become heterosexual	
	Strongly agree	1
	Agree	2
	Neither agree nor disagree.....	3
	Disagree.....	4
	Strongly disagree.....	5
	Don't Know	9
	Refuse to Answer	7

DM17d. INTHMPH4	I feel that being gay/bisexual is a personal shortcoming for me. Do you... [READ CHOICES. CHECK only ONE.]	
	Internalized homophobia- personal shortcoming	
	Strongly agree	1
	Agree	2
	Neither agree nor disagree.....	3

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

DM17e. I would like to get professional help in order to change my sexual orientation from gay/bisexual to straight. Do you... [READ CHOICES. CHECK only ONE.]

INTHMPH5

Internalized homophobia- seek professional help to be straight

Strongly agree	1
Agree	2
Neither agree nor disagree.....	3
Disagree.....	4
Strongly disagree.....	5
Don't Know.....	9
Refuse to Answer	7

DM18. Most people in &[CITY] are tolerant of gays and bisexuals. Do you... [READ CHOICES. CHECK only ONE.]

TOL_GI

Gay-identified: Tolerance of gays and bisexuals

Strongly agree	1
Agree	2
Neither agree nor disagree.....	3
Disagree.....	4
Strongly disagree.....	5
Don't Know.....	9
Refuse to Answer	7

INTRO_DM19a. "READ: The next questions will ask you about religion."

DM19a. How often do you attend church or other religious meetings? [READ CHOICES. CHECK only ONE.]

RELIG1

Religious service attendance

Never	1
Once a year or less	2
A few times a year	3
A few times a month	4
Once a week.....	5
More than once a week.....	6
Don't know	9
Refuse to Answer	7

DM19b. How often do you spend time in private religious activities, such as prayer, meditation or Bible study? [READ CHOICES. CHECK only ONE.]

RELIG2

Non organization religious activity

Rarely or Never.....	1
A few times a month	2
Once a week.....	3
Two or more times per week	4
Daily.....	5
More than once a day	6
Don't know	9
Refuse to Answer	7

FlowCheck_EndofDemographics. Go to Sexual Behavior (SX).

NHBS-YMSM QUESTIONNAIRE

SEXUAL BEHAVIOR (SX)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preloaded variables	--	AGO_3M	3 months ago
Preloaded variables		MONTH	Current Month
Eligibility Screener	--	AGE	QDS calculated age today
Eligibility	ES7c	E_EVROAN	Eligibility: MSM, Ever had sex with man
Eligibility	ES7d	E_EVRMSX	Eligibility: MSM, Ever had other type of sex with male

Male Respondent – Male Sex Partners

INTRO_SX1a_1.	<p>DISPLAY: “READ: Now I'm going to ask you some questions about having sex with other males. I need to ask you these questions even if some don't apply to you. Please remember your answers will be kept private. [GIVE RESPONDENT FLASHCARD G]</p> <p>For these questions, oral sex means he put his mouth on your penis or you put your mouth on his penis. Anal sex means you put your penis in his anus (butt) or he put his penis in your anus (butt).”</p>
INTRO_SX1a_2.	<p>DISPLAY: “Interviewer: Use your discretion in using slang terms for the following sexual behavior questions.”</p>

SX1a. Have you ever had oral sex with a male?

M_MEVERO	Ever oral sex with males - y/n	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

FlowCheck_SX1b. If SX1a EQ 1, go to SX1b. Else, go to SX1c.

SX1b. How old were you the first time you had oral sex with a male?

M_MDBUTO	Age at first oral MSM encounter	
	Range	0-17
	Don't Know	99
	Refuse to Answer	77

HardEditCheck_SX1b. If SX1b GT AGE, DISPLAY: “The age of first sex cannot be greater than current age of the respondent.” Then go back to SX1b. Else, go to SX1c.

SX1c. Have you ever had anal sex with a male?

M_MEVERA	M_M Anal sex with males - y/n	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

FlowCheck_SX1c.1_1. If ES7c EQ 1 and SX1a EQ 0 and SX1c EQ 0, go to SX1c.1. Else, go to FlowCheck_SX1c.1_2.

FlowCheck_SX1c.1_2. If SX1c EQ 1, go to SX1d. Else, go to SX1e.

SX1c.1. Earlier you told me that you have had oral or anal sex with a male, but you just told me that you have not. Have you ever had oral or anal sex with a male?

M_MOACHK M_M Ever oral or anal sex with males check

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

FlowCheck_SX1d. If SX1c.1 EQ 1, go back to SX1a. Else, go to SX1e.

SX1d. How old were you the first time you had anal sex with a male?

M_MDBUTA M_M Age at first anal MSM encounter

Range.....	0-18
Don't Know.....	99
Refuse to Answer	77

HardEditCheck_SX1d. If SX1d GT AGE, DISPLAY: "The age of first sex cannot be greater than current age of the respondent." Then go back to SX1d. Else, go to SX1e.

SX1e. Have you ever had any other type of sexual contact with a male that led to orgasm, such as mutual masturbation?

M_MEVERJ M_M Other? Sex with males - y/n

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

HardEditCheck_SX1e. If ES7d EQ 0, and SX1e EQ 1. DISPLAY: "Respondent indicated earlier that they have not had any other sexual contact with a male. Please confirm with respondent that this is true." Then go back to SX1e. Else, go to FlowCheck_SX1f.

FlowCheck_SX1f. If SX1e EQ 1, go to SX1f. Else, go to FlowCheck_SX2.

SX1f. How old were you the first time you had the other type of sexual contact with a male that led to orgasm?

M_MDBUTM M_M Age at first other MSM encounter

Range.....	0-18
Don't Know.....	99
Refuse to Answer	77

HardEditCheck_SX1f. If SX1f GT AGE, DISPLAY: "The age of first sexual contact cannot be greater than current age of the respondent." Then go back to SX1f. Else, go to FlowCheck_SX2.

FlowCheck_SX2. If SX1a EQ 1 OR SX1c EQ 1 or SX1e EQ 1, go to FlowCheck_SX3. Else, go to SX2.

SX2. Interviewer, you have indicated that the participant said he never had any type of sexual contact with a male. Is this correct?
M_MNOSX MSM sex confirmation
No 0
Yes..... 1

HardEditCheck_SX2. If SX2 EQ 0, go back to SX1a. Else, go to FlowCheck_SX3.

FlowCheck_SX3. If SX1a EQ 1 or SX1c EQ 1, go to SX3. Else, go to SX8.

SX3. In the past 12 months, that is, since &[MONTH] of last year, with how many different males have you had oral or anal sex?
M_MSX12 Number of male partners - 12 months
Range..... 0-7000
Don't Know..... 9999
Refuse to Answer 7777

FlowCheck_INTRO_SX4a_1. If SX3 EQ DK, or REF, go to SX8. Else, go to FlowCheck_INTRO_SX4a_2.

FlowCheck_INTRO_SX4a_2. If SX3 EQ 0, DISPLAY: "Interviewer: Respondent indicated zero sex partners in the last 12 months. Please verify with respondent. Go back to previous question if this is not correct.", then go to SX8. Else, go to FlowCheck_INTRO_SX4a_3.

FlowCheck_INTRO_SX4a_3. If SX3 EQ 1, go to INTRO_SX4a. Else if SX3 GT 1, go to INTRO_SX4.

Male Respondent – One Male Partner

INTRO_SX4a. "READ: Now I'm going to ask you to describe your relationship with this sex partner as either serious or casual. [GIVE RESPONDENT FLASHCARD H] By serious I mean someone who you dated for a while and feel very close to and may call your boyfriend or partner. By casual I mean someone you are casually dating but not serious, someone you are sleeping with but not dating, also called a fuck buddy or booty call, someone who was a one-night stand, or a stranger or anonymous person.

SX4a. Was this male a serious partner or a casual partner?
M_M1SX M_M Type of partner - single
Serious partner 1
Casual partner 2
Don't Know..... 9
Refuse to Answer 7

FlowCheck_INTRO_SX4_1. If SX4a EQ 1, go to INTRO_SX6a.o. Else, go to FlowCheck_INTRO_SX4_2.

FlowCheck_INTRO_SX4_2. If SX4a EQ 2, go to INTRO_SX7a.o. Else, go to FlowCheck_INTRO_SX4_3.

FlowCheck_INTRO_SX4_3. If SX4a EQ DK or REF, go to SX8.

Male Respondent – Multiple Male Partners

INTRO_SX4. “**READ:** Now I'm going to ask you to describe your relationship with these sex partners as either serious or casual. **[GIVE RESPONDENT FLASHCARD H]** By serious I mean someone who you dated for a while and feel very close to and may call your boyfriend or partner. By casual I mean someone you are casually dating but not serious, someone you are sleeping with but not dating, also called a fuck buddy or booty call, someone who was a one-night stand, or a stranger or anonymous person.”

SX4. **Of the &[SX3] males you've had oral or anal sex with in the past 12 months, how many of them were serious partners?**

M_MMSX

M_MM Number of serious partners - 12 months

Range..... 0-7000

Don't Know..... 9999

Refuse to Answer 7777

HardEditCheck_SX4. If SX4 GT SX3, DISPLAY: “The number of serious male partners cannot be greater than total number of male sex partners.” Then, go back to SX4. Else, go to FlowCheck_SX5.

FlowCheck_SX5. If SX4 EQ SX3, go to INTRO_SX6a.m. Else, go to SX5.

SX5. **How many were casual partners?**

M_MCSX

M_MC Number of casual partners - 12 months

Range..... 0-7000

Don't Know..... 9999

Refuse to Answer 7777

HardEditCheck_SX5_1. If SX5 GT SX3, DISPLAY: “The number of casual male partners cannot be greater than total number of male sex partners.” Then, go back to SX5. Else, go to HardEditCheck_SX5_2.

HardEditCheck_SX5_2. If (SX4 + SX5) NE SX3 and SX3 NE 1, DISPLAY: “The total number of serious and casual male partners are not equal to the total number of male sex partners. Please check your responses.” Then go back to SX4. Else, go to FlowCheck_INTRO_SX6a.m_1.

FlowCheck_INTRO_SX6a.m_1. If SX4 EQ 1, go to INTRO_SX6a.o. Else, go to FlowCheck_INTRO_SX6a.m_2.

FlowCheck_INTRO_SX6a.m_2. If SX4 GT 1, go to INTRO_SX6a.m. Else, go to FlowCheck_INTRO_SX7a.m_1.

Male Respondent – Main Male Partners

INTRO_SX6a.m. “**READ:** Now I'm going to ask you about the &[SX4] serious male sex partners you had in the past 12 months.”

HardEditCheck_SX6a.m.	If SX6a.m GT SX4, DISPLAY: "The number of serious male partners you had anal sex with cannot be greater than your total number of serious male sex partners." Then, go back to SX6a.m. Else, go to FlowCheck SX6b.m 1.
------------------------------	--

FlowCheck SX6b.m 2. If SX6a.m EQ 1, go to SX6b.o. Else, go to SX6b.m.

HardEditCheck_SX6b.m.	If SX6b.m GT SX6a.m, DISPLAY: "The number of serious male partners you had unprotected anal sex with cannot be greater than the total number of serious male anal sex partners." Then go back to SX6b.m. Else, go to FlowCheck INTRO SX7a.m 1.
------------------------------	--

SX6a.o.	In the past 12 months, did you have anal sex with this male?	
M_MM1AS	M_MM AS partner - 12 months - y/n	
	No	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

SX6b.o.	In the past 12 months, did you have anal sex with him without using a condom?	
M_MM1UAS	M_MM UAS partner - 12 months - y/n	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

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FlowCheck_INTRO_SX7a.m_1. If SX4a EQ 2 or SX5 EQ 1, go to INTRO_SX7a.o. Else, go to FlowCheck_INTRO_SX7a.m_2.

FlowCheck_INTRO_SX7a.m_2. If SX5 EQ 0, DK, or REF, go to SX8. Else, if SX5 GT 1, go to INTRO_SX7a.m.

Male Respondent – Anal sex with Male Partners

INTRO_SX7a.m. “**READ:** Now I'm going to ask you about the &[SX5] casual male sex partners you had in the past 12 months. Remember, a casual sex partner is someone you do not feel committed to or don't know very well.”

SX7a.m. **Of your &[SX5] casual male partners in the past 12 months, with how many did you have anal sex?**

M_MOAS

M_MC AS partners - 12 months - number

Range..... 0-7000

Don't Know..... 9999

Refuse to Answer 7777

HardEditCheck_SX7a.m. If SX7a.m. GT SX5, DISPLAY: “The number of casual male partners you had anal sex with cannot be greater than your total number of casual male sex partners.” Then, go back to SX7a.m. Else, go to FlowCheck_SX7b.m_1.

FlowCheck_SX7b.m_1. If SX7a.m EQ 0, DK or REF, go to SX7d. Else, go to FlowCheck_SX7b.m_2.

FlowCheck_SX7b.m_2. If SX7a.m EQ 1, go to SX7b.o. Else, go to SX7b.m.

SX7b.m. **In the past 12 months, with how many of these &[SX7a.m] males did you have anal sex without using a condom?**

M_MOUAS

M_MC UAS partners - 12 months - number

Range..... 0-7000

Don't Know..... 9999

Refuse to Answer 7777

HardEditCheck_SX7b.m. If SX7b.m GT SX7a.m, DISPLAY: “The number of casual male partners you had unprotected anal sex with cannot be greater than your total number of casual male anal sex partners.” Then, go back to SX7b.m. Else, go to SX7d.

SX7d. **Of your &[SX5] casual male partners in the past 12 months, how many did you give money or drugs in exchange for having sex with you?**

M_MOGIV

M_MC Exchange partners - 12 months – number gave money

Range 0-7000

Don't Know 9999

Refuse to Answer..... 7777

HardEditCheck_SX7d. If SX7d GT SX5, DISPLAY: “The number of casual male partners you have given money or drugs in exchange for having sex with you cannot exceed the total number of casual male partners.” Then, go back to SX7d. Else, go to SX7e.

SX7e. **Of your &[SX5] casual male partners in the past 12 months, how many gave you money or drugs to have sex with them?**

M_MOREC

M_MC Exchange partners2 - 12 months – number received money

Range 0-7000

Don't Know 9999

Refuse to Answer..... 7777

HardEditCheck_SX7e.	If SX7e GT SX5, DISPLAY: "The number of casual male partners that gave you money or drugs in exchange for having sex with them cannot exceed the total number of casual male partners." Then, go back to SX7e. Else, go to FlowCheck_INTRO_SX7a.o..
FlowCheck_INTRO_SX7a.o.	Go to SX8.

SINGLE CASUAL PARTNER START

INTRO_SX7a.o.	"READ: Now I'm going to ask you about the casual male sex partner you had in the past 12 months. Remember, a casual sex partner is someone you do not feel committed to or don't know very well."
----------------------	--

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

M_MO1AS	M_MC AS partner - 12 months - y/n	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

FlowCheck_SX7b.o.	If SX7a.o EQ 0, DK, or REF go to SX7d.1. Else, go to SX7b.o.
--------------------------	--

SX7b.o. In the past 12 months, did you have anal sex with him without using a condom?

M_MO1UAS	M_MC UAS partner - 12 months - y/n	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

SX7d.1 In the past 12 months, did you give this man money or drugs in exchange for having sex with you?

M_MO1GIV	M_MC Exchange partner - 12 months - give	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

SX7d.2 In the past 12 months, did this man give you money or drugs to have sex with him?

M_MO1REC	M_MC Exchange partner - 12 months - receive	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

Male Respondent – Venue Attendance

[GIVE RESPONDENT FLASHCARD I] In the past 12 months, how often have you gone to a place where gay males hangout, meet or socialize? These could include bars, clubs, social organizations, parks, gay businesses, bookstores, sex clubs, etc. Was it: [READ CHOICES. CHECK only ONE.]

SX8.
M_MMEET

How often gone to place to meet males

Never	0
More than once a day	1
Once a day	2
More than once a week	
.....	3
Once a week	4
More than once a month	5
Once a month.....	6
Less than once a month	7
Don't Know.....	99
Refuse to Answer	77

SX9a.
M_MINT1

In the past 12 months, how often have you used social media sites, such as Facebook or Twitter, to meet or socialize with gay males either for friendship or sex? Was it: [READ CHOICES. CHECK only ONE.]

M_M Internet social media usage

Never	0
More than once a day	1
Once a day	2
More than once a week	
.....	3
Once a week	4
More than once a month	5
Once a month.....	6
Less than once a month	7
Don't Know.....	99
Refuse to Answer	77

SX9b.
M_MINT2

In the past 12 months, how often have you used the internet to meet or socialize with gay males either for friendship or sex? This could be websites directed towards gay males such as Manhunt or Adam4Adam, dating websites such as OkCupid, or mobile social applications such as Grindr or Scruff. Was it: [READ CHOICES. CHECK only ONE.]

M_M Internet usage

Never	0
More than once a day	1
Once a day	2
More than once a week	
.....	3
Once a week	4
More than once a month	5
Once a month.....	6
Less than once a month	7
Don't Know.....	99
Refuse to Answer	77

Male Respondent – Female Sex Partners

SX10.
M_FEVER

Have you ever had vaginal or anal sex with a female?

M_F sex y/n

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

FlowCheck_SX11. If SX10 EQ 0, DK, or REF, go to FlowCheck_INTRO_SX17. Else, go to SX11.

SX11. How old were you the first time you had vaginal or anal sex with a female?

M_FDEBUT

M_F Age at sexual debut

Range..... 0-18

Don't Know..... 99

Refuse to Answer 77

HardEditCheck_SX11. If SX11 GT AGE, DISPLAY: "The age of first sex cannot be greater than current age of the respondent." Then, go back to SX11. Else, go to SX12.

SX12. In the past 12 months, that is, since &[MONTH] of last year, with how many different females have you had vaginal or anal sex?

M_FSX12

M_F Number of partners in last 12 months

Range..... 0-7000

Don't Know 9999

Refuse to Answer..... 7777

FlowCheck_INTRO_SX13a_1. If SX12 EQ 0, DK, or REF, go to FlowCheck_INTRO_SX17. Else, go to FlowCheck_INTRO_SX13a_2.

FlowCheck_INTRO_SX13a_2. If SX12 GT 1, go to INTRO_SX13. Else, if SX12 EQ 1, go to INTRO_SX13a.

INTRO_SX13a. "READ: Now I'm going to ask you to describe your relationship with this sex partner as either serious or casual. [GIVE RESPONDENT FLASHCARD H] By serious I mean someone who you dated for a while and feel very close to and may call your girlfriend or partner. By casual I mean someone you are casually dating but not serious, someone you are sleeping with but not dating, also called a fuck buddy or booty call, someone who was a one-night stand, or a stranger or anonymous person."

Male Respondent - One Partner

SX13a. Was this female a serious partner or a casual partner?

M_F1SX

M_F Type of partner - single

Serious partner..... 1

Casual partner 2

Don't Know..... 9

Refuse to Answer 7

FlowCheck_INTRO_SX13_1. If SX13a EQ 1, go to INTRO_SX15a.o. Else, go to FlowCheck_INTRO_SX13_2.

FlowCheck_INTRO_SX13_2. If SX13a EQ 2, go to INTRO_SX16a.o. Else, go to FlowCheck_INTRO_SX13_3.

FlowCheck_INTRO_SX13_3. If SX13a EQ DK or REF, go to FlowCheck_INTRO_SX17.

Male Respondent - Multiple Female Partners

INTRO_SX13. “**READ:** Now I'm going to ask you to describe your relationship with these sex partners as either serious or casual. **[GIVE RESPONDENT FLASHCARD H]** By serious I mean someone who you dated for a while and feel very close to and may call your girlfriend or partner. By casual I mean someone you are casually dating but not serious, someone you are sleeping with but not dating, also called a fuck buddy or booty call, someone who was a one-night stand, or a stranger or anonymous person.”

SX13. Of the &[SX12] females you've had vaginal or anal sex with in the past 12 months, how many of them were serious partners?

M_FMSX M_FM Number of main partners - 12 months
Range 0-7000
Don't Know 9999
Refuse to Answer 7777

HardEditCheck_SX13. If SX13 GT SX12 DISPLAY: “The number of serious partners cannot be greater than the number of sex partners in the past 12 months.” Then, go back to SX13. Else, go to FlowCheck_SX14.

FlowCheck_SX14. If SX13 EQ SX12, go to INTRO_SX15a.m. Else, go to SX14.

SX14. How many were casual partners?

M_FCSX M_FC Number of casual partners - 12 months
Range 0-7000
Don't Know 9999
Refuse to Answer 7777

HardEditCheck_SX14_1. If SX14 GT SX12, DISPLAY: “The number of casual female partners cannot be greater than total number of female sex partners in the past 12 months.” Then go back to SX14. Else, go to HardEditCheck_SX14_2.

HardEditCheck_SX14_2. If SX13 + SX14 NE SX12 and SX12 NE 1, DISPLAY: “The total number of serious and casual female partners is not equal to the total number of female sex partners. Please check your responses.” Then, go back to SX13. Else, go to FlowCheck_INTRO_SX15a.m_1.

FlowCheck_INTRO_SX15a.m_1. If SX13a EQ 1 OR SX13 EQ 1, go to INTRO_SX15a.o. Else, go to FlowCheck_INTRO_SX15a.m_2.

Male Respondent - Serious Female Partners

FlowCheck_INTRO_SX15a.m_2. If SX13 GT 1, go to INTRO_SX15a.m. Else, go to FlowCheck_INTRO_SX16a.m_1.

INTRO_SX15a.m. “**READ:** Now I'm going to ask you about the &[SX13] serious female sex partners you had in the past 12 months.”

Vaginal Sex with Female Partners

SX15a.m. Of your &[SX13] serious female partners in the past 12 months, with how many did you have vaginal sex?

M_FMVS M_FM VS partners - 12 months - number
Range 0-7000
Don't Know 9999
Refuse to Answer 7777

HardEditCheck_SX15a.m. If SX15a.m. GT SX13, DISPLAY: "The number of serious female partners you had vaginal sex with cannot be greater than number of serious female sex partners." Then go back to SX15a.m. Else, go to FlowCheck_SX15b.m_1.

FlowCheck_SX15b.m_1. If SX15a.m. EQ 0, DK, or REF, go to SX15c.m. Else, go to FlowCheck_SX15b.m_2.

FlowCheck_SX15b.m_2. If SX15a.m EQ 1, go to SX15b.o. Else, go to SX15b.m.

SX15b.m. In the past 12 months, with how many of these &[SX15a.m] females did you have vaginal sex without using a condom?
M_FMUVS M_FM UVS partners - 12 months - number

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

HardEditCheck_SX15b.m. If SX15b.m GT SX15a.m, DISPLAY: "The number of serious female partners you had unprotected vaginal sex with cannot be greater than number of serious female vaginal sex partners." Then, go back to SX15b.m. Else, go to SX15c.m.

Single Female serious partner section

INTRO_SX15a.o. "READ: Now I'm going to ask you about the serious female sex partner you had in the past 12 months."

SX15a.o. In the past 12 months, did you have vaginal sex with this female?
M_FM1VS M_FM VS partners - 12 months - y/n

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

FlowCheck_SX15b.o. If SX15a.o EQ 0, DK or REF, go to SX15c.o. Else, go to SX15b.o.

SX15b.o. In the past 12 months, did you have vaginal sex with her without using a condom?
M_FM1UVS M_FM UVS partners - 12 months - y/n

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

FlowCheck_SX15c.m. If SX13 EQ 1 or SX13a EQ 1, go to SX15c.o. Else, go to SX15c.m.

Male Respondent – Anal sex with Female Partners

SX15c.m. Of your &[SX13] serious female partners in the past 12 months, with how many did you have anal sex?
NHBS_YMSM_Protocol_Final_9_17_2015
9/24/2013

M_FMAS	M_FM AS partners - 12 months - number	
	Range.....	0-7000
	Don't Know.....	9999
	Refuse to Answer	7777

HardEditCheck_SX15c.m. If SX15c.m GT SX13, DISPLAY: "The number of serious female partners you had anal sex with cannot be greater than number of serious female sex partners." Then go back to SX15c.m. Else, go to FlowCheck_SX15d.m_1.

FlowCheck_SX15d.m_1. If SX15c.m EQ 0, DK, or REF, go to FlowCheck_INTRO_SX16a.m_1. Else, go to FlowCheck_SX15d.m_2.

FlowCheck_SX15d.m_2. If SX15c.m EQ 1, go to SX15d.o. Else, go to SX15d.m.

SX15d.m. In the past 12 months, with how many of these &[SX15c.m] females did you have anal sex without using a condom?

M_FMUAS	M_FM UAS partners - 12 months - number	
	Range.....	0-7000
	Don't Know.....	9999
	Refuse to Answer	7777

HardEditCheck_SX15d.m. If SX15d.m GT SX15c.m, DISPLAY: "The number of serious female partners you had unprotected anal sex with cannot be greater than number of serious female anal sex partners." Then go back to SX15d.m. Else, go to FlowCheck_INTRO_SX16a.m_1.

SX15c.o. In the past 12 months, did you have anal sex with this female?

M_FM1AS	M_FM AS partners - 12 months - y/n	
	No.....	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

FlowCheck_SX15d.o. If SX15c.o. EQ 0, DK or REF, go to FlowCheck_INTRO_SX16a.m_1. Else, go to SX15d.o.

SX15d.o. In the past 12 months, did you have anal sex with her without using a condom?

M_FM1UAS	M_FM UAS partners - 12 months - y/n	
	No.....	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

Male Respondent – Casual Female Partners

FlowCheck_INTRO_SX16a.m_1. If (SX14 EQ DK or REF) or SX13 EQ SX12, go to FlowCheck_INTRO_SX17. Else, go to FlowCheck_INTRO_SX16a.m_2.

FlowCheck_INTRO_SX16a.m_2. If SX14 EQ 1, go to INTRO_SX16a.o. Else, go to INTRO_SX16a.m.

Male Respondent - Multiple Casual Female Sex Partners

INTRO_SX16a.m. **"READ:** Now I'm going to ask you about the &[SX14] casual female sex partners you had in the past 12 months. Remember, a casual sex partner is someone you do not feel committed to or don't know very well."

Vaginal Sex with Casual Female Partners

SX16a.m. **Of your &[SX14] casual female partners in the past 12 months, with how many did you have vaginal sex?**
M_FOVS M_FC VS partners - 12 months - number
Range..... 0-7000
Don't Know..... 9999
Refuse to Answer 7777

HardEditCheck_SX16a.m. If SX16a.m. GT SX14, DISPLAY: "The number of casual female partners you had vaginal sex with cannot be greater than your total number of casual female sex partners." Then, go back to SX16a.m. Else, go to FlowCheck_SX16b.m_1.

FlowCheck_SX16b.m_1. If SX16a.m. EQ 0, DK or REF, go to SX16c.m. Else, go to FlowCheck_SX16b.m_2.

FlowCheck_SX16b.m_2. If SX14 EQ 1 or SX16a.m EQ 1, go to SX16b.o. Else, go to SX16b.m.

SX16b.m. **In the past 12 months, with how many of these &[SX16a.m] females did you have vaginal sex without using a condom?**
M_FOUVS M_FC UVS partners - 12 months - number
Range..... 0-7000
Don't Know..... 9999
Refuse to Answer 7777

HardEditCheck_SX16b.m. If SX16b.m GT SX16a.m, DISPLAY: "The number of casual female partners you had unprotected vaginal sex with cannot be greater than your total number of casual vaginal female sex partners." Then go back to SX16b.m. Else, go to SX16c.m.

Male Respondent – Casual Female Partner

INTRO_SX16a.o. **"READ:** Now I'm going to ask you about the casual female sex partner you had in the past 12 months. Remember, a casual sex partner is someone you do not feel committed to or don't know very well."

SX16a.o. **In the past 12 months, did you have vaginal sex with this female?**
M_FO1VS M_FC VS partner - 12 months - y/n
No 0
Yes 1
Don't Know..... 9
Refuse to Answer 7

FlowCheck_SX16b.o. If SX16a.o EQ 0, DK or REF, go to SX16c.o. Else, go to SX16b.o.

SX16b.o. In the past 12 months, did you have vaginal sex with her without using a condom?

M_FO1UVS	M_FC UVS partner - 12 months - y/n	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

FlowCheck_SX16c.m. If SX14 EQ 1 or SX13a EQ 2, go to SX16c.o. Else, go to SX16c.m.

Male Respondent – Anal Sex with Casual Female Partners

SX16c.m. Of your &[SX14] casual female partners in the past 12 months, with how many did you have anal sex?

M_FOAS	M_FC AS partners - 12 months - number	
	Range.....	0-7000
	Don't Know.....	9999
	Refuse to Answer	7777

HardEditCheck_SX16c.m. If SX16c.m. GT SX14, DISPLAY: "The number of casual female partners you had anal sex with cannot be greater than your total number of casual female sex partners." Then, go back to SX16c.m. Else, go to FlowCheck_SX16d.m_1.

FlowCheck_SX16d.m_1. If SX16c.m EQ 0, DK or REF, go to FlowCheck_INTRO_SX17. Else, go to FlowCheck_SX16d.m_2.

FlowCheck_SX16d.m_2. If SX16c.m EQ 1, go to SX16d.o. Else, go to SX16d.m.

SX16d.m. In the past 12 months, with how many of these &[SX16c.m] females did you have anal sex without using a condom?

M_FOUAS	M_FC UAS partners - 12 months - number	
	Range.....	0-7000
	Don't Know.....	9999
	Refuse to Answer	7777

HardEditCheck_SX16d.m. If SX16d.m GT SX16c.m, DISPLAY: "The number of casual female partners you had unprotected anal sex with cannot be greater than your total number of casual female anal sex partners." Then go back to SX16d.m. Else, go to FlowCheck_INTRO_SX17.

SX16c.o. In the past 12 months, did you have anal sex with this female?

M_FO1AS	M_FC AS partner - 12 months - y/n	
	No	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

FlowCheck_SX16d.o. If SX16c.o. EQ 0, DK or REF, go to FlowCheck_INTRO_SX17. Else, go to SX16d.o.

SX16d.o. In the past 12 months did you have anal sex with her without using a condom?

M_FO1UAS	M_FC UAS partner - 12 months - y/n	
	No	0

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

FlowCheck_INTRO_SX17. If SX3 GT 0 or SX12 GT 0, go to INTRO_SX17. Else, go to INTRO_SX115a.

Partner by Partner - Last Three Sex Partners

INTRO_SX17. "READ: Now I'm going to ask you some questions about the past 3 months."

SX17. **How many people have you had sex with in the past 3 months, that is, since &[AGO_3M]? Remember, sex means oral, vaginal, or anal sex.**
PARSP3M Number partners – past 3 months

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

FlowCheck_SX17CONFa_1. If SX17 EQ REF, go to INTRO_SX18_3. Else, go to FlowCheck_SX17CONFa_2.

FlowCheck_SX17CONFa_2. If SX17 EQ DK, go to SX17CONFa. Else, go to FlowCheck_SX17CONFa_3.

FlowCheck_SX17CONFa_3. If SX17 EQ 0, go to SX17CONFb. Else, go to INTRO_SX18_2.

SX17CONFa. **Have you had sex with 3 or more partners in the past 3 months?**
DKPARP3M Confirmation – 3 or more sex partners in past 3 months

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

FlowCheck_SX17CONFb. If SX17CONFa EQ 0, DK, or REF, go to INTRO_SX18_3. Else, go to INTRO_SX18_2.

SX17CONFb. **Interviewer: Respondent has indicated they have had no sex partners in the past 3 months. Is this correct?**
NOPARP3M Confirmation – no sex partners in past 3 months

No	0
Yes	1

HardEditCheck_SX17CONFb. If SX17CONFb EQ 0 DISPLAY: "Interviewer: correct response to number of partners in past 3 months question." Then go back to SX17. Else, go to INTRO_SX18_1.

INTRO_SX18_1. "READ: Since you have not had sex with anyone in the past 3 months, I will ask about the last person you had sex with in the past 12 months. I need some way to refer to this person, so you may refer to them in any way you want—first name, initials, nicknames, or screen name. However, please do not provide a last name or any other identifying information."

FlowCheck_INTRO_SX18_2. Go to SX18.

INTRO_SX18_2. "READ: Now, I would like to ask some questions about your three most recent sex partners in the past 3 months. Since I will be asking questions about each person, I need some way to refer to them so that when I ask you follow-

up questions, we both know we're talking about the same person. You may refer to them in any way you want—first name, initials, nicknames, or screen names. However, please do not provide last names or any other identifying information."

FlowCheck_INTRO_SX18_3. Go to SX18.

INTRO_SX18_3. "READ: Now I will ask about the last person you had sex with in the past 12 months. I need some way to refer to this person, so you may refer to them in any way you want—first name, initials, nicknames, or screen name. However, please do not provide a last name or any other identifying information."

SX18. **How should I refer to the last person you had sex with?**
NICKP1 Nickname – most recent sex partner

{text response; max length = 30 characters}

SX18a. **Now I would like you to think about the last time you had sex with &[SX18]. When was the last time you had oral, vaginal, or anal sex with &[SX18]? Just tell me the month and year.**

LASTSXP1 Date last had sex with P1

mm/yyyy.....	Unlimited - Unlimited
Don't Know.....	9999
Refuse to Answer	7777

HardEditCheck_SX18a_1. If SX17 GT 0 and SX18a is before AGO_3M, DISPLAY: "Interviewer: the date of last sex must be within the past 3 months since they have had &[SX17] partners in the past 3 months. If they have NOT had sex in the past 3 months, go back and correct the number of partners in past 3 months question." Then go to HardEditCheck_SX18a_2. Else, go to HardEditCheck_SX18a_3.

HardEditCheck_SX18a_2. If SX17 GT 0 and SX18a is before AGO_3M, DISPLAY: "READ: Earlier you told me you have had &[SX17] sex partners in the past 3 months. Please think about the LAST person you had sex with." Then go back to SX18a. Else, go to HardEditCheck_SX18a_3.

HardEditCheck_SX18a_3. If SX17CONFa EQ 1 and SX18a is before AGO_3M, DISPLAY: "Interviewer: the date of last sex must be within the past 3 months since they have had 3 or more partners in the past 3 months. If they have NOT had sex in the past 3 months, go back and correct the number of partners in past 3 months question." Then go to HardEditCheck_SX18a_4. Else, go to FlowCheck_SX19.

HardEditCheck_SX18a_4. If SX17CONFa EQ 1 and SX18a is before AGO_3M, DISPLAY: "READ: Earlier you told me you have had 3 or more sex partners in the past 3 months. Please think about the LAST person you had sex with." Then go back to SX18a. Else, go to FlowCheck_SX19.

FlowCheck_SX19. If (SX17 EQ 0 or 1) or (SX17CONFa NE 1, go to INTRO_SX22. Else, go to SX19.

SX19. **How should I refer to the second-to-last person you had sex with?**
NICKP2 Nickname – 2nd most recent sex partner

{text response; max length = 30 characters}

SX19a. **Now I would like you to think about the last time you had sex with &[SX19]. When was the last time you had oral, vaginal, or anal sex with &[SX19]? Just tell me the month and year.**

LASTSXP2 Date last had sex with P2

mm/yyyy.....	Unlimited - Unlimited
Don't Know.....	9999
Refuse to Answer	7777

HardEditCheck_SX19a_1.	If SX17 GT 1 and SX19a is before AGO_3M, DISPLAY: "Interviewer: the date of last sex must be within the past 3 months since they have had &[SX17] partners in the past 3 months. If they have <u>NOT</u> had sex in the past 3 months, go back and correct the number of partners in past 3 months question." Then go to HardEditCheck_SX19a_2. Else, go to HardEditCheck_SX19a_3.
HardEditCheck_SX19a_2.	If SX17 GT 1 and SX19a is before AGO_3M, DISPLAY: " READ: Earlier you told me you have had &[SX17] sex partners in the past 3 months. Please think about the <u>SECOND-TO-LAST</u> person you had sex with." Then go back to SX19a. Else, go to HardEditCheck_SX19a_3.
HardEditCheck_SX19a_3.	If SX17CONFa EQ 1 and SX19a is before AGO_3M, DISPLAY: "Interviewer: the date of last sex must be within the past 3 months since they have had 3 or more partners in the past 3 months. If they have <u>NOT</u> had sex in the past 3 months, go back and correct the number of partners in past 3 months question." Then go to HardEditCheck_SX19a_4. Else, go to FlowCheck_SX20.
HardEditCheck_SX19a_4.	If SX17CONFa EQ 1 and SX19a is before AGO_3M, DISPLAY: " READ: Earlier you told me you have had 3 or more sex partners in the past 3 months. Please think about the <u>SECOND-TO-LAST</u> person you had sex with." Then go back to SX19a. Else, go to FlowCheck_SX20.

FlowCheck_SX20.	If SX17 EQ 2, go to INTRO_SX22. Else, go to SX20.
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SX20. **How should I refer to the third-to-last person you had sex with?**
NICKP3 Nickname – 3rd most recent sex partner

{text response; max length = 30 characters}

SX21. **Now I would like you to think about the last time you had sex with &[SX20]. When was the last time you had oral, vaginal, or anal sex with &[SX20]? Just tell me the month and year.**
LASTSXP3 Date last had sex with P3

mm/yyyy.....	Unlimited - Unlimited
Don't Know.....	9999
Refuse to Answer	7777

HardEditCheck_SX21_1.	If SX17 GT 2 and SX21 is before AGO_3M, DISPLAY: "Interviewer: the date of last sex must be within the past 3 months since they have had &[SX17] partners in the past 3 months. If they have <u>NOT</u> had sex in the past 3 months, go back and correct the number of partners in past 3 months question." Then go to HardEditCheck_SX21_2. Else, go to HardEditCheck_SX21_3.
HardEditCheck_SX21_2.	If SX17 GT 2 and SX21 is before AGO_3M, DISPLAY: " READ: Earlier you told me you have had &[SX17] sex partners in the past 3 months. Please think about the <u>THIRD-TO-LAST</u> person you had sex with." Then go back to SX21. Else, go to HardEditCheck_SX21_3.
HardEditCheck_SX21_3.	If SX17CONFa EQ 1 and SX21 is before AGO_3M, DISPLAY: "Interviewer: the date of last sex must be within the past 3 months since they have had 3 or more partners in the past 3 months. If they have <u>NOT</u> had sex in the past 3 months, go back and correct the number of partners in past 3 months question." Then go to HardEditCheck_SX21_4. Else, go to INTRO_SX22.
HardEditCheck_SX21_4.	If SX17CONFa EQ 1 and SX21 is before AGO_3M, DISPLAY: " READ: Earlier you told me you have had 3 or more sex partners in the past 3 months. Please think about the <u>THIRD-TO-LAST</u> person you had sex with." Then go back to SX21. Else, go to INTRO_SX22.

Last Partner

INTRO_SX22.	DISPLAY: " READ: Now I will ask you some questions about &[SX18], the last person you had sex with."
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SX22. What is &[SX18]'s age?

AGEP1 Age – PxP 1
Range..... 0-70
Don't Know..... 99
Refuse to Answer 77

SX23. Which of the following best describes &[SX18]'s racial or ethnic background? [READ CHOICES. CHECK ALL THAT APPLY.]

RACEP1 Race – PxP 1
RACEP1A American Indian or Alaska Native 1
RACEP1B Asian 2
RACEP1C Black or African American 3
RACEP1D Hispanic or Latino 4
RACEP1E Native Hawaiian or Other Pacific Islander 5
RACEP1F White 6
Don't Know..... 9
Refuse to Answer 7

SX24. Is &[SX18] a male or a female?

SEXP1 Sex – PxP 1
Male 1
Female..... 2
Don't Know..... 9
Refuse to Answer 7

SX25. Where did you first meet &[SX18]? [DO NOT read choices. CHECK only ONE.]

MEETP1 Where met partner – PxP 1
Internet 1
Chat line 2
Bar/Club 3
Circuit party or rave
..... 4
Cruising area..... 5
Adult bookstore..... 6
Bath house, sex club or sex resort..... 7
Private sex party..... 8
Mobile App (Grindr, Jack'd, Scruff, etc.) 9
School 10
Church or other religious setting..... 11
House-ball event 12
Through a friend..... 13
Somewhere else 14
Don't Know..... 99
Refuse to Answer 77

FlowCheck_SX25spec. If SX25 EQ 14, go to SX25spec. Else, go to SX26.

SX25spec. Specify where you first met &[SX18]:

SPECMP1 Specify where met partner—PxP 1

{text response; max length = 50 characters}

SX26.

[GIVE RESPONDENT FLASHCARD H] Was &[SX18] a serious partner or a casual partner? Remember, a serious sex partner is someone you feel committed to above anyone else. And a casual sex partner is someone you do not feel committed to or don't know very well.

SERCASP1

Serious or casual – PxP 1

Serious sex partner.....	1
Casual sex partner	2
Don't Know.....	9
Refuse to Answer	7

SX27.**How long had you been having a sexual relationship with &[SX18]? Please tell me how many days, months, or years.****[Interviewer: If "one night stand," enter 0]**

LENP1

Length of sexual relationship – PxP 1

Range.....	0-365
Don't Know	999
Refuse to Answer	777

FlowCheck_SX27.dmy.	If SX27 EQ DK or REF, go to SX28. Else, go to SX27.dmy.
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SX27.dmy.**Interviewer: Was this days or months or years? [Interviewer: If "one night stand," enter 0]**

LENP1DMY

Length of sexual relationship – PxP 1 - DMY

# of Days.....	0
# of Months.....	1
# of Years.....	2

SX28.**At the time you first had sex with &[SX18], how long had you known them?**

KNOWNP1

Length of time before first sex – PxP 1

Less than 1 week	1
1 week to 1 month	2
2 to 5 months	3
6 months to 11 months	4
1 year or more.....	5
Don't Know.....	9
Refuse to Answer	7

FlowCheck_SX29_1.	If (SX27 LT 8 and SX27.dmy EQ 0), go to SX31. Else, go to FlowCheck_SX29_2.
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FlowCheck_SX29_2.	If (SX27 EQ 365 and SX27.dmy EQ 0) or ((SX27 GT or EQ 12) and SX27.dmy EQ 1) or ((SX27 GT or EQ 1) and SX27.dmy EQ 2), go to SX32. Else, go to SX29.
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SX29.**[GIVE RESPONDENT FLASHCARD J] As far as you know, during the time you were having a sexual relationship with &[SX18], did he/she have sex with other people? Would you say he/she: [READ CHOICES. CHECK only ONE.]**

OTHPAP1

Partner having sex with others – PxP 1

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

SX30.**During the time you were having a sexual relationship with &[SX18], did you have sex with other people?**

ROTHPAP1

Respondent having sex with others – PxP 1

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

FlowCheck_SX31.	Go to SX34.
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SX31. As far as you know, was &[SX18] in a sexual relationship with anyone else when you had sex?

ONSOTP1 One night stand – partner sex with others – PxP 1

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

SX31a. Were you in a sexual relationship with anyone else when you had sex with &[SX18]?

ONSROTP1 One night stand – respondent sex with others – PxP 1

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

FlowCheck_SX32.	Go to SX34.
------------------------	-------------

SX32. As far as you know, during the past 12 months when you were having a sexual relationship with &[SX18], did he/she have sex with other people? Would you say he/she: [READ CHOICES. CHECK only ONE.]

OPP12P1 Partner sex with others past 12 months – PxP 1

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

SX33. During the past 12 months when you were having a sexual relationship with &[SX18], did you have sex with other people?

OPRP12P1 Respondent sex with others past 12 months – PxP 1

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

SX34. The last time you had sex with &[SX18], did you know his/her HIV status?

KNOHIVP1 Respondent know partner HIV status – PxP 1

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

FlowCheck_SX35.	If SX34 EQ 1, go to SX35. Else, go to SX36.
------------------------	---

SX35. What was &[SX18]'s HIV status?

HIVSTP1	Partner HIV status – PxP 1	
	HIV-negative	0
	HIV-positive	1
	Indeterminate	2
	Refuse to Answer	7

SX36. As far as you know, has &[SX18] ever injected drugs like heroin, cocaine, or speed? Would you say he/she: [READ CHOICES. CHECK only ONE.]

EVRINJP1	Partner ever injected drugs – PxP 1	
	Definitely did not.....	0
	Probably did not.....	1
	Probably did	2
	Definitely did	3
	Don't Know.....	9
	Refuse to Answer	7

SX37. As far as you know, has &[SX18] ever been in prison or jail for more than 24 hours?

JAILP1	Partner ever been in jail – PxP 1	
	Definitely has not	0
	Probably has not.....	1
	Probably has.....	2
	Definitely has.....	3
	Don't Know.....	9
	Refuse to Answer	7

FlowCheck_INTRO_SX38. If (SX17 EQ 0) or (SX17=DK and (SX17CONFa=0, DK, or REF))go to INTRO_SX45. Else, go to INTRO_SX38.

Sex Acts Past 3 Months

INTRO_SX38. “READ: Now I will ask you some questions about the number of times you had sex with &[SX18] in the past 3 months.”

FlowCheck_SX38. If SX24 EQ 1, go to SX40. Else, go to SX38.

SX38. In the past 3 months, how many times did you have vaginal sex with &[SX18]?

VAG3MP1	Number times had vaginal sex past 3 months – PxP 1	
	Range.....	0-1000
	Don't Know.....	9999
	Refuse to Answer	7777

FlowCheck_SX39. If SX38 EQ 0, DK, or REF, go to SX40. Else, go to SX39.

SX39. Of the &[SX38] time(s) you had vaginal sex, how many times did you or your partner use a condom?

VCON3MP1	Number times used condom during vaginal sex past 3 months – PxP 1	
	Range.....	0-1000
	Don't Know.....	9999
	Refuse to Answer	7777

HardEditCheck_SX39. If SX39 GT SX38, DISPLAY: "The number of times used a condom during vaginal sex during the past 3 months cannot be greater than the number of times had vaginal sex during the past 3 months." Then go back to SX39. Else, go to SX40.

SX40. In the past 3 months, how many times did you have anal sex with &[SX18]?

ANAL3MP1 Number times had anal sex past 3 months – PxP 1

Range.....	0-1000
Don't Know.....	9999
Refuse to Answer	7777

FlowCheck_SX40a_1. If SX40 EQ 0, DK, or REF, go to INTRO_SX45. Else, go to FlowCheck_SX40a_2.

FlowCheck_SX40a_2. If SX24 EQ 2, go to SX40a. Else, go to SX41.

SX40a. Of the &[SX40] time(s) you had anal sex, how many times did you or your partner use a condom?

ACON3MP1 Number times used condom during anal sex with female past 3 months – PxP 1

Range.....	0-1000
Don't Know.....	9999
Refuse to Answer	7777

HardEditCheck_SX40a. If SX40a GT SX40, DISPLAY: "The number of times used a condom during anal sex during the past 3 months cannot be greater than the number of times had anal sex during the past 3 months." Then, go back to SX40a. Else, go to INTRO_SX45.

SX41. Of the &[SX40] time(s) you had anal sex, how many times did you have insertive anal sex, meaning you put your penis in &[SX18]'s anus/butt?

INS3MP1 Number times had insertive anal sex past 3 months – PxP 1

Range.....	0-1000
Don't Know.....	9999
Refuse to Answer	7777

FlowCheck_SX42. If SX41 EQ 0, DK, or REF, go to SX43. Else, go to SX42.

SX42. Of the &[SX41] time(s) you had insertive anal sex, how many times did you use a condom?

ICON3MP1 Number times used condom during insertive anal sex past 3 months – PxP 1

Range.....	0-1000
Don't Know.....	9999
Refuse to Answer	7777

HardEditCheck_SX42. If SX42 GT SX41, DISPLAY: "The number of times used a condom during insertive anal sex during the past 3 months cannot be greater than the number of times had insertive anal sex during the past 3 months." Then go back to SX42. Else, go to SX43.

SX43. Of the &[SX40] time(s) you had anal sex, how many times did you have receptive anal sex, meaning he put his penis in your anus/butt?

REC3MP1 Number times had receptive anal sex past 3 months – PxP 1

Range.....	0-1000
Don't Know.....	9999
Refuse to Answer	7777

FlowCheck_SX44. If SX43 EQ 0, DK, or REF, go to INTRO_SX45. Else, go to SX44.

SX44. Of the &[SX43] time(s) you had receptive anal sex, how many times did he use a condom?

RCON3MP1 Number times used condom during receptive anal sex past 3 months – PxP 1
Range..... 0-1000
Don't Know..... 9999
Refuse to Answer 7777

HardEditCheck_SX44. If SX44 GT SX43, DISPLAY: "The number of times used a condom during receptive anal sex during the past 3 months cannot be greater than the number of times had receptive anal sex during the past 3 months." Then go back to SX44. Else, go to INTRO_SX45.

Last sex act

INTRO_SX45. "READ: Now I will ask you some questions about the last time you had sex with &[SX18]."

FlowCheck_SX45. If SX24 EQ 1, go to SX47. Else, go to SX45.

SX45. When you had sex that last time, did you have vaginal sex?

VAGLSP1 Vaginal sex during last sex – PxP 1
No 0
Yes 1
Don't Know..... 9
Refuse to Answer 7

FlowCheck_SX46. If SX45 EQ 1, go to SX46. Else, go to SX47.

SX46. During vaginal sex that last time, did you or your partner use a condom the whole time?

VCONLSP1 Used condom during vaginal sex last time – PxP 1
No 0
Yes 1
Don't Know..... 9
Refuse to Answer 7

SX47. When you had sex that last time, did you have anal sex?

ANALLSP1 Anal sex during last sex – PxP 1
No 0
Yes 1
Don't Know..... 9
Refuse to Answer 7

FlowCheck_SX47CONF. If (SX24 EQ 1 and SX47 EQ 0) or (SX24 EQ 2 and SX45 EQ 0 and SX47 EQ 0), go to SX47CONF. Else, go to FlowCheck_SX48_3.

SX47CONF. So this means you only had oral sex the last time you had sex?

ORLLSP1 Confirmation: oral sex only during last sex – PxP 1
No 0
Yes 1
Don't Know..... 9
Refuse to Answer 7

FlowCheck_SX48_1. If (SX24 EQ 2 and SX47CONF EQ 0), go back to SX45. Else, go to FlowCheck_SX48_2.

FlowCheck_SX48_2. If (SX24 EQ 1 and SX47CONF EQ 0), go back to SX47. Else, go to FlowCheck_SX48_3.

FlowCheck_SX48_3. If SX47 EQ 1, go to SX48. Else, go to SX49.

SX48. During anal sex that last time, did you or your partner use a condom the whole time?

ACONLSP1 Used condom during anal sex last time – PxP 1

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

SX49. Before or during the last time you had sex with &[SX18], did you use: [READ CHOICES. CHECK only ONE.]

DRALLSP1 Drugs or alcohol at last sex – PxP 1

Alcohol	1
Drugs	2
Both alcohol and drugs	3
Neither one	4
Don't Know	9
Refuse to Answer	7

FlowCheck_SX50. If SX49 EQ 2 or 3, go to SX50. Else, go to SX51.

SX50. Which drugs did you use? [DO NOT read choices. CHECK ALL THAT APPLY.]

DRGLSP1 Drugs used at last sex – PxP 1

DRGLSP1A Marijuana	1
DRGLSP1B Synthetic marijuana (K2, Spice)	2
DRGLSP1C Speedball (heroin and cocaine together)	3
DRGLSP1D Heroin	4
DRGLSP1E Crack cocaine	5
DRGLSP1F Powder cocaine	6
DRGLSP1G Crystal meth (tina, crank, ice)	7
DRGLSP1H X or Ecstasy (molly)	8
DRGLSP1I Special K (ketamine)	9
DRGLSP1J GHB	10
DRGLSP1K Painkillers (Oxycontin, Vicodin, Percocet)	11
DRGLSP1L Downers (Valium, Klonopin, Ativan, Xanax)	12
DRGLSP1M Hallucinogens (LSD, mushrooms)	13
DRGLSP1N Poppers	14
DRGLSP1O Other drug	15
Don't Know	99
Refuse to Answer	77

FlowCheck_SX50spec. If SX50 EQ 15, go to SX50spec. Else, go to SX51.

SX50spec. Specify other drug used:

SPECDRP1 Specify other drug used at last sex – PxP 1

{text response; max length = 50 characters}

SX51. When you had sex that last time, did you give &[SX18] money or drugs in exchange for sex?

GIVELSP1 Give money or drugs at last sex – PxP 1

No	0
Yes	1

Don't Know 9
Refuse to Answer 7

SX52. When you had sex that last time, did &[SX18] give you money or drugs in exchange for sex?

RECELP1 Receive money or drugs at last sex – PxP 1

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

FlowCheck_INTRO_SX53. If (SX17 EQ 0 or 1) or (SX17CONFa NE 1), go to INTRO_SX115a. Else, go to INTRO_SX53.

Last Partner

INTRO_SX53. DISPLAY: "READ: Now I will ask you some questions about &[SX19], the second-to-last person you had sex with."

SX53. What is &[SX19]'s age?

AGEP2

Age – PxP 2
Range 0-70
Don't Know 99
Refuse to Answer 77

Which of the following best describes &[SX19]'s racial or ethnic background? [READ CHOICES. CHECK ALL THAT APPLY.]

SX54.

RACEP2

Race – PxP 2
American Indian or Alaska Native 1
Asian 2
Black or African American 3
Hispanic or Latino 4
Native Hawaiian or Other Pacific Islander 5
White 6
Don't Know 9
Refuse to Answer 7

SX55. Is &[SX19] a male or a female?

SEXP2

Sex – PxP 2
Male 1
Female 2
Don't Know 9
Refuse to Answer 7

SX56. Where did you first meet &[SX19]? [DO NOT read choices. CHECK only ONE.]

MEETP2

Where met partner – PxP 2
Internet 1
Chat line 2
Bar/Club 3
Circuit party or rave 4
Cruising area 5
Adult bookstore 6
Bath house, sex club or sex resort 7
Private sex party 8
Mobile App (Grindr, Jack'd, Scruff, etc.) 9
School 10

Church or other religious setting.....	11
House-ball event	12
Through a friend.....	13
Somewhere else	14
Don't Know.....	99
Refuse to Answer	77

FlowCheck_SX56spec. If SX56 EQ 14, go to SX56spec. Else, go to SX57.

SX56spec. Specify where you first met &[SX19]:
SPECMP2 Specify where met partner—PxP 2

{text response; max length = 50 characters}

SX57. [GIVE RESPONDENT FLASHCARD H] Was &[SX19] a serious partner or a casual partner? Remember, a serious sex partner is someone you feel committed to above anyone else. And a casual sex partner is someone you do not feel committed to or don't know very well.

SERCASP2	Serious or causal – PxP 2	
	Serious sex partner.....	1
	Casual sex partner	2
	Don't Know.....	9
	Refuse to Answer	7

SX58. How long had you been having a sexual relationship with &[SX19]? Please tell me how many days, months, or years. [Interviewer: If "one night stand," enter 0]
LENP2 Length of sexual relationship – PxP 2

Range.....	0-365
Don't Know	999
Refuse to Answer	777

FlowCheck_SX58.dmy. If SX58 EQ DK or REF, go to SX59. Else, go to SX58.dmy.

SX58.dmy. Interviewer: Was this days or months or years? [Interviewer: If "one night stand," enter 0]
LENP2DMY Length of sexual relationship – PxP 2 - DMY

# of Days.....	0
# of Months.....	1
# of Years.....	2

SX59. At the time you first had sex with &[SX19], how long had you known them?
KNOWNP2 Length of time before first sex – PxP 2

Less than 1 week	1
1 week to 1 month	2
2 to 5 months	3
6 months to 11 months	4
1 year or more.....	5
Don't Know.....	9
Refuse to Answer	7

FlowCheck_SX60_1. If (SX58 LT 8 and SX58.dmy EQ 0), go to SX62. Else, go to FlowCheck_SX60_2.

FlowCheck_SX60_2. If (SX58 EQ 365 and SX58.dmy EQ 0) or ((SX58 GT or EQ 12) and SX58.dmy EQ 1) or ((SX58 GT or EQ 1) and SX58.dmy EQ 2), go to SX63. Else, go to SX60.

SX60. [GIVE RESPONDENT FLASHCARD J] As far as you know, during the time you were having a sexual relationship with &[SX19], did he/she have sex with other people? Would you say he/she: [READ CHOICES. CHECK only ONE.]

OTHPAP2

Partner having sex with others – PxP 2

Definitely did not..... 0

Probably did not..... 1

Probably did 2

Definitely did 3

Don't Know..... 9

Refuse to Answer 7

SX61.

During the time you were having a sexual relationship with &[SX19], did you have sex with other people?

ROTHPAP2

Respondent having sex with others – PxP 2

No 0

Yes 1

Don't Know..... 9

Refuse to Answer 7

FlowCheck_SX62. Go to SX65.

SX62.

As far as you know, was &[SX19] in a sexual relationship with anyone else when you had sex?

ONSOTP2

One night stand – partner sex with others – PxP 2

Definitely not..... 0

Probably not..... 1

Probably 2

Definitely 3

Don't Know..... 9

Refuse to Answer 7

SX62a.

Were you in a sexual relationship with anyone else when you had sex with &[SX19]?

ONSROTP2

One night stand – respondent sex with others – PxP 2

No 0

Yes 1

Don't Know..... 9

Refuse to Answer 7

FlowCheck_SX63. Go to SX65.

SX63.

As far as you know, during the past 12 months when you were having a sexual relationship with &[SX19], did he/she have sex with other people? Would you say he/she: [READ CHOICES. CHECK only ONE.]

OPP12P2

Partner sex with others past 12 months – PxP 2

Definitely did not..... 0

Probably did not..... 1

Probably did 2

Definitely did 3

Don't Know..... 9

Refuse to Answer 7

SX64. During the past 12 months when you were having a sexual relationship with &[SX19], did you have sex with other people?

OPRP12P2 Respondent sex with others past 12 months – PxP 2

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

SX65. The last time you had sex with &[SX19], did you know his/her HIV status?

KNOHIVP2 Respondent know partner HIV status – PxP 2

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

FlowCheck_SX66. If SX65 EQ 1, go to SX66. Else, go to SX67.
--

SX66. What was &[SX19]'s HIV status?

HIVSTP2 Partner HIV status – PxP 2

HIV-negative	0
HIV-positive	1
Indeterminate	2
Refuse to Answer	7

SX67. As far as you know, has &[SX19] ever injected drugs like heroin, cocaine, or speed? Would you say he/she: [READ CHOICES. CHECK only ONE.]

EVRIINJP2 Partner ever injected drugs – PxP 2

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

SX68. As far as you know, has &[SX19] ever been in prison or jail for more than 24 hours?

JAILP2 Partner ever been in jail – PxP 2

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

Sex Acts Past 3 Months

INTRO_SX69. "READ: Now I will ask you some questions about the number of times you had sex with &[SX19] in the past 3 months."

FlowCheck_SX69. If SX55 EQ 1, go to SX71. Else, go to SX69.
--

SX69. In the past 3 months, how many times did you have vaginal sex with &[SX19]?

VAG3MP2

Number times had vaginal sex past 3 months – PxP 2

Range..... 0-1000

Don't Know..... 9999

Refuse to Answer 7777

FlowCheck_SX70. If SX69 EQ 0, DK, or REF, go to SX71. Else, go to SX70.

SX70. Of the &[SX69] time(s) you had vaginal sex, how many times did you or your partner use a condom?

VCON3MP2

Number times used condom during vaginal sex past 3 months – PxP 2

Range..... 0-1000

Don't Know..... 9999

Refuse to Answer 7777

HardEditCheck_SX70. If SX70 GT SX69, DISPLAY: "The number of times used a condom during vaginal sex during the past 3 months cannot be greater than the number of times had vaginal sex during the past 3 months." Then go back to SX70. Else, go to SX71.

SX71. In the past 3 months, how many times did you have anal sex with &[SX19]?

ANAL3MP2

Number times had anal sex past 3 months – PxP 2

Range..... 0-1000

Don't Know..... 9999

Refuse to Answer 7777

FlowCheck_SX71a_1. If SX71 EQ 0, DK, or REF, go to INTRO_SX76. Else, go to FlowCheck_SX71a_2.

FlowCheck_SX71a_2. If SX55 EQ 2, go to SX71a. Else, go to SX72.

SX71a. Of the &[SX71] time(s) you had anal sex, how many times did you or your partner use a condom?

ACON3MP2

Number times used condom during anal sex with female past 3 months – PxP 2

Range..... 0-1000

Don't Know..... 9999

Refuse to Answer 7777

HardEditCheck_SX71a. If SX71a GT SX71, DISPLAY: "The number of times used a condom during anal sex during the past 3 months cannot be greater than the number of times had anal sex during the past 3 months." Then, go back to SX71a. Else, go to INTRO_SX76.

SX72. Of the &[SX71] time(s) you had anal sex, how many times did you have insertive anal sex, meaning you put your penis in &[SX19]'s anus/butt?

INS3MP2

Number times had insertive anal sex past 3 months – PxP 2

Range..... 0-1000

Don't Know..... 9999

Refuse to Answer 7777

FlowCheck_SX73. If SX72 EQ 0, DK, or REF, go to SX74. Else, go to SX73.

SX73. Of the &[SX72] time(s) you had insertive anal sex, how many times did you use a condom?

ICON3MP2

Number times used condom during insertive anal sex past 3 months – PxP 2

Range..... 0-1000

Don't Know..... 9999

Refuse to Answer 7777

HardEditCheck_SX73. If SX73 GT SX72, DISPLAY: "The number of times used a condom during insertive anal sex during the past 3 months cannot be greater than the number of times had insertive anal sex during the past 3 months." Then go back to SX73. Else, go to SX74.

SX74. Of the &[SX71] time(s) you had anal sex, how many times did you have receptive anal sex, meaning he put his penis in your anus/butt?

REC3MP2

Number times had receptive anal sex past 3 months – PxP 2

Range..... 0-1000

Don't Know..... 9999

Refuse to Answer 7777

FlowCheck_SX75. If SX74 EQ 0, DK, or REF, go to INTRO_SX76. Else, go to SX75.

SX75. Of the &[SX74] time(s) you had receptive anal sex, how many times did he use a condom?

RCON3MP2

Number times used condom during receptive anal sex past 3 months – PxP 2

Range..... 0-1000

Don't Know..... 9999

Refuse to Answer 7777

HardEditCheck_SX75. If SX75 GT SX74, DISPLAY: "The number of times used a condom during receptive anal sex during the past 3 months cannot be greater than the number of times had receptive anal sex during the past 3 months." Then go back to SX75. Else, go to INTRO_SX76.

Last sex act

INTRO_SX76. "READ: Now I will ask you some questions about the last time you had sex with &[SX19]."

FlowCheck_SX76. If SX55 EQ 1, go to SX78. Else, go to SX76.

SX76. When you had sex that last time, did you have vaginal sex?

VAGLSP2

Vaginal sex during last sex – PxP 2

No 0

Yes 1

Don't Know..... 9

Refuse to Answer 7

FlowCheck_SX77. If SX76 EQ 1, go to SX77. Else, go to SX78.

SX77. During vaginal sex that last time, did you or your partner use a condom the whole time?

VCONLSP2

Used condom during vaginal sex last time – PxP 2

No 0

Yes 1

Don't Know..... 9

Refuse to Answer 7

SX78. When you had sex that last time, did you have anal sex?

ANALLSP2

Anal sex during last sex – PxP 2

No 0

Yes 1

Don't Know 9
Refuse to Answer 7

FlowCheck_SX78CONF. If (SX55 EQ 1 and SX78 EQ 0) or (SX55 EQ 2 and SX76 EQ 0 and SX78 EQ 0), go to SX78CONF. Else, go to FlowCheck_SX79_3.

SX78CONF. So this means you only had oral sex the last time you had sex?

ORLLSP2 Confirmation: oral sex only during last sex – PxP 2
No 0
Yes 1
Don't Know 7
Refuse to Answer 9

FlowCheck_SX79_1. If (SX55 EQ 2 and SX78CONF EQ 0), go back to SX76. Else, go to FlowCheck_SX79_2.

FlowCheck_SX79_2. If (SX55 EQ 1 and SX78CONF EQ 0), go back to SX78. Else, go to FlowCheck_SX79_3.

FlowCheck_SX79_3. If SX78 EQ 1, go to SX79. Else, go to SX80.

SX79. During anal sex that last time, did you or your partner use a condom the whole time?

ACONLSP2 Used condom during anal sex last time – PxP 2
No 0
Yes 1
Don't Know 9
Refuse to Answer 7

SX80. Before or during the last time you had sex with &[SX19], did you use: [READ CHOICES. CHECK only ONE.]

DRALLSP2 Drugs or alcohol at last sex – PxP 2
Alcohol 1
Drugs 2
Both alcohol and drugs 3
Neither one 4
Don't Know 9
Refuse to Answer 7

FlowCheck_SX81. If SX80 EQ 2 or 3, go to SX81. Else, go to SX82.

SX81. Which drugs did you use? [DO NOT read choices. CHECK ALL THAT APPLY.]

DRGLSP2 Drugs used at last sex – PxP 2
DRGLSP2A Marijuana 1
DRGLSP2B Synthetic marijuana (K2, Spice) 2
DRGLSP2C Speedball (heroin and cocaine together) 3
DRGLSP2D Heroin 4
DRGLSP2E Crack cocaine 5
DRGLSP2F Powder cocaine 6
DRGLSP2G Crystal meth (tina, crank, ice) 7
DRGLSP2H X or Ecstasy (molly) 8
DRGLSP2I Special K (ketamine) 9
DRGLSP2J GHB 10
DRGLSP2K Painkillers (Oxycontin, Vicodin, Percocet) 11
DRGLSP2L Downers (Valium, Klonopin, Ativan, Xanax) 12
DRGLSP2M Hallucinogens (LSD, mushrooms) 13

OMB No: xxxx-xxxx
OMB Exp. Date: xx/xx/xxxx

Sexual Behavior

DRGLSP2N	Poppers	14
DRGLSP2O	Other drug	15
	Don't Know	99
	Refuse to Answer	77

FlowCheck_SX81spec. If SX81 EQ 15, go to SX81spec. Else, go to SX82.

SX81spec. **Specify other drug used:**
SPECDRP2 Specify other drug used at last sex – PxP 2

{text response; max length = 50 characters}

SX82. **When you had sex that last time, did you give &[SX19] money or drugs in exchange for sex?**
GIVELSP2 Give money or drugs at last sex – PxP 2

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

SX83. **When you had sex that last time, did &[SX19] give you money or drugs in exchange for sex?**
RECELSP2 Receive money or drugs at last sex – PxP 2

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

FlowCheck_INTRO_SX84. If SX17 EQ 2, go to INTRO_SX115a. Else, go to INTRO_SX84.

Last Partner

INTRO_SX84. DISPLAY: "READ: Now I will ask you some questions about &[SX20], the third-to-last person you had sex with."

SX84. **What is &[SX20]'s age?**
AGEP3 Age – PxP 3

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

SX85. **Which of the following best describes &[SX20]'s racial or ethnic background? [READ CHOICES. CHECK ALL THAT APPLY.]**

RACEP3	Race – PxP 3	
RACEP3A	American Indian or Alaska Native	1
RACEP3B	Asian	2
RACEP3C	Black or African American	3
RACEP3D	Hispanic or Latino	4
RACEP3E	Native Hawaiian or Other Pacific Islander	5
RACEP3F	White	6
	Don't Know	9
	Refuse to Answer	7

SX86. **Is &[SX20] a male or a female?**
SEXP3 Sex – PxP 3

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

SX87. Where did you first meet &[SX20]? [DO NOT read choices. CHECK only ONE.]

MEETP3

Where met partner – PxP 3

Internet	1
Chat line	2
Bar/Club	3
Circuit party or rave	
.....	4
Cruising area.....	5
Adult bookstore.....	6
Bath house, sex club or sex resort.....	7
Private sex party.....	8
Mobile App (Grindr, Jack'd, Scruff, etc.)	9
School.....	10
Church or other religious setting.....	11
House-ball event	12
Through a friend.....	13
Somewhere else	14
Don't Know.....	99
Refuse to Answer	77

FlowCheck_SX87spec. If SX87 EQ 14, go to SX87spec. Else, go to SX88.

SX87spec.

Specify where you first met &[SX20]:

SPECMP3

Specify where met partner—PxP 3

{text response; max length = 50 characters}

[GIVE RESPONDENT FLASHCARD H] Was &[SX20] a serious partner or a casual partner? Remember, a serious sex partner is someone you feel committed to above anyone else. And a casual sex partner is someone you do not feel committed to or don't know very well.

SX88.

SERCASP3

Serious or causal – PxP 3

Serious sex partner.....	1
Casual sex partner	2
Don't Know.....	9
Refuse to Answer	7

How long had you been having a sexual relationship with &[SX20]? Please tell me how many days, months, or years.

SX89.

LENP3

[Interviewer: If "one night stand," enter 0]

Length of sexual relationship – PxP 3

Range.....	0-365
Don't Know.....	999
Refuse to Answer	777

FlowCheck_SX89.dmy. If SX89 EQ DK or REF, go to SX90. Else, go to SX89.dmy.

SX89.dmy.

Interviewer: Was this days or months or years? [Interviewer: If "one night stand," enter 0]

LENP3DMY Length of sexual relationship – PxP 3 - DMY

# of Days.....	0
# of Months.....	1
# of Years.....	2

SX90. At the time you first had sex with &[SX20], how long had you known them?

KNOWNP3 Length of time before first sex – PxP 3

Less than 1 week	1
1 week to 1 month	2
2 to 5 months	3
6 months to 11 months	4
1 year or more.....	5
Don't Know.....	9
Refuse to Answer	7

FlowCheck_SX91_1. If (SX89 LT 8 and SX89.dmy EQ 0), go to SX93. Else, go to FlowCheck_SX91_2.

FlowCheck_SX91_2. If (SX89 EQ 365 and SX89.dmy EQ 0) or ((SX89 GT or EQ 12) and SX89.dmy EQ 1) or ((SX89 GT or EQ 1) and SX89.dmy EQ 2), go to SX94. Else, go to SX91.

SX91. [GIVE RESPONDENT FLASHCARD J] As far as you know, during the time you were having a sexual relationship with &[SX20], did he/she have sex with other people? Would you say he/she: [READ CHOICES. CHECK only ONE.]

OTHPAP3 Partner having sex with others – PxP 3

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

SX92. During the time you were having a sexual relationship with &[SX20], did you have sex with other people?

ROTHPAP3 Respondent having sex with others – PxP 3

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

FlowCheck_SX93. Go to SX96.

SX93. As far as you know, was &[SX20] in a sexual relationship with anyone else when you had sex?

ONSOTP3 One night stand – partner sex with others – PxP 3

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

SX93a. Were you in a sexual relationship with anyone else when you had sex with &[SX20]?

ONSROTP3 One night stand – respondent sex with others – PxP 3

No.....	0
---------	---

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

FlowCheck_SX94.	Go to SX96.
------------------------	-------------

SX94. As far as you know, during the past 12 months when you were having a sexual relationship with &[SX20], did he/she have sex with other people? Would you say he/she: [READ CHOICES. CHECK only ONE.]

OPP12P3 Partner sex with others past 12 months – PxP 3

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

SX95. During the past 12 months when you were having a sexual relationship with &[SX20], did you have sex with other people?

OPRP12P3 Respondent sex with others past 12 months – PxP 3

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

SX96. The last time you had sex with &[SX20], did you know his/her HIV status?

KNOHIVP3 Respondent know partner HIV status – PxP 3

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

FlowCheck_SX97.	If SX96 EQ 1, go to SX97. Else, go to SX98.
------------------------	---

SX97. What was &[SX20]'s HIV status?

HIVSTP3 Partner HIV status – PxP 3

HIV-negative.....	0
HIV-positive.....	1
Indeterminate	2
Refuse to Answer	7

SX98. As far as you know, has &[SX20] ever injected drugs like heroin, cocaine, or speed? Would you say he/she: [READ CHOICES. CHECK only ONE.]

EVRIJNP3 Partner ever injected drugs – PxP 3

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

SX99. As far as you know, has &[SX20] ever been in prison or jail for more than 24 hours?

JAILP3 Partner ever been in jail – PxP 3

Definitely has not	0
--------------------------	---

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

Sex Acts Past 3 Months

INTRO_SX100. "READ: Now I will ask you some questions about the number of times you had sex with &[SX20] in the past 3 months."

FlowCheck_SX100. If SX86 EQ 1, go to SX102. Else, go to SX100.

SX100. In the past 3 months, how many times did you have vaginal sex with &[SX20]?

VAG3MP3

Number times had vaginal sex past 3 months – PxP 3

Range.....	0-1000
Don't Know.....	99
Refuse to Answer	77

FlowCheck_SX101. If SX100 EQ 0, DK, or REF, go to SX102. Else, go to SX101.

SX101. Of the &[SX100] time(s) you had vaginal sex, how many times did you or your partner use a condom?

VCON3MP3

Number times used condom during vaginal sex past 3 months – PxP 3

Range.....	0-1000
Don't Know.....	9999
Refuse to Answer	7777

HardEditCheck_SX101. If SX101 GT SX100, DISPLAY: "The number of times used a condom during vaginal sex during the past 3 months cannot be greater than the number of times had vaginal sex during the past 3 months." Then go back to SX101. Else, go to SX102.

SX102. In the past 3 months, how many times did you have anal sex with &[SX20]?

ANAL3MP3

Number times had anal sex past 3 months – PxP 3

Range.....	0-1000
Don't Know.....	9999
Refuse to Answer	7777

FlowCheck_SX102a_1. If SX102 EQ 0, DK, or REF, go to INTRO_SX107. Else, go to FlowCheck_SX102a_2.

FlowCheck_SX102a_2. If SX86 EQ 2, go to SX102a. Else, go to SX103.

SX102a. Of the &[SX102] time(s) you had anal sex, how many times did you or your partner use a condom?

ACON3MP3

Number times used condom during anal sex with female past 3 months – PxP 3

Range.....	0-1000
Don't Know.....	9999
Refuse to Answer	7777

HardEditCheck_SX102a. If SX102a GT SX102, DISPLAY: "The number of times used a condom during anal sex during the past 3 months cannot be greater than the number of times had anal sex during the past 3 months." Then, go back to SX102a. Else, go to INTRO_SX107.

SX103. Of the &[SX102] time(s) you had anal sex, how many times did you have insertive anal sex, meaning you put your penis in &[SX20]'s anus/butt?

INS3MP3

Number times had insertive anal sex past 3 months – PxP 3

Range..... 0-1000

Don't Know..... 9999

Refuse to Answer 7777

FlowCheck_SX104. If SX103 EQ 0, DK, or REF, go to SX105. Else, go to SX104.

SX104. Of the &[SX103] time(s) you had insertive anal sex, how many times did you use a condom?

ICON3MP3

Number times used condom during insertive anal sex past 3 months – PxP 3

Range..... 0-1000

Don't Know..... 9999

Refuse to Answer 7777

HardEditCheck_SX104. If SX104 GT SX103, DISPLAY: "The number of times used a condom during insertive anal sex during the past 3 months cannot be greater than the number of times had insertive anal sex during the past 3 months." Then go back to SX104. Else, go to SX105.

SX105. Of the &[SX102] time(s) you had anal sex, how many times did you have receptive anal sex, meaning he put his penis in your anus/butt?

REC3MP3

Number times had receptive anal sex past 3 months – PxP 3

Range..... 0-1000

Don't Know..... 9999

Refuse to Answer 7777

FlowCheck_SX106. If SX105 EQ 0, DK, or REF, go to INTRO_SX107. Else, go to SX106.

SX106. Of the &[SX105] time(s) you had receptive anal sex, how many times did he use a condom?

RCON3MP3

Number times used condom during receptive anal sex past 3 months – PxP 3

Range..... 0-1000

Don't Know..... 9999

Refuse to Answer 7777

HardEditCheck_SX106. If SX106 GT SX105, DISPLAY: "The number of times used a condom during receptive anal sex during the past 3 months cannot be greater than the number of times had receptive anal sex during the past 3 months." Then go back to SX106. Else, go to INTRO_SX107.

Last sex act

INTRO_SX107. "READ: Now I will ask you some questions about the last time you had sex with &[SX20]."

FlowCheck_SX107. If SX86 EQ 1, go to SX109. Else, go to SX107.

SX107. When you had sex that last time, did you have vaginal sex?

VAGLSP3

Vaginal sex during last sex – PxP 3

No 0

Yes 1

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

FlowCheck_SX108. If SX107 EQ 1, go to SX108. Else, go to SX109.

SX108. During vaginal sex that last time, did you or your partner use a condom the whole time?

VCONLSP3

Used condom during vaginal sex last time – PxP 3

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

SX109. When you had sex that last time, did you have anal sex?

ANALLSP3

Anal sex during last sex – PxP 3

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

FlowCheck_SX109CONF. If (SX86 EQ 1 and SX109 EQ 0) or (SX86 EQ 2 and SX107 EQ 0 and SX109 EQ 0), go to SX109CONF. Else, go to FlowCheck_SX110_3.

SX109CONF. So this means you only had oral sex the last time you had sex?

ORLLSP3

Confirmation: oral sex only during last sex – PxP 3

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

FlowCheck_SX110_1. If (SX86 EQ 2 and SX109CONF EQ 0), go back to SX107. Else, go to FlowCheck_SX110_2.

FlowCheck_SX110_2. If (SX86 EQ 1 and SX109CONF EQ 0), go back to SX109. Else, go to FlowCheck_SX110_3.

FlowCheck_SX110_3. If SX109 EQ 1, go to SX110. Else, go to SX111.

SX110. During anal sex that last time, did you or your partner use a condom the whole time?

ACONLSP3

Used condom during anal sex last time – PxP 3

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

SX111. Before or during the last time you had sex with &[SX20], did you use: [READ CHOICES. CHECK only ONE.]

DRALLSP3

Drugs or alcohol at last sex – PxP 3

Alcohol.....	1
Drugs	2
Both alcohol and drugs.....	3
Neither one	4
Don't Know.....	9
Refuse to Answer	7

FlowCheck_SX112. If SX111 EQ 2 or 3, go to SX112. Else, go to SX113.

SX112. Which drugs did you use? [DO NOT read choices. CHECK ALL THAT APPLY.]

DRGLSP3	Drugs used at last sex – PxP 3	
DRGLSP3A	Marijuana	1
DRGLSP3B	Synthetic marijuana (K2, Spice)	2
DRGLSP3C	Speedball (heroin and cocaine together)	3
DRGLSP3D	Heroin.....	4
DRGLSP3E	Crack cocaine.....	5
DRGLSP3F	Powder cocaine	6
DRGLSP3G	Crystal meth (tina, crank, ice)	7
DRGLSP3H	X or Ecstasy (molly)	8
DRGLSP3I	Special K (ketamine)	9
DRGLSP3J	GHB	10
DRGLSP3K	Painkillers (Oxycontin, Vicodin, Percocet)	11
DRGLSP3L	Downers (Valium, Klonopin, Ativan, Xanax)	12
DRGLSP3M	Hallucinogens (LSD, mushrooms)	13
DRGLSP3N	Poppers	14
DRGLSP3O	Other drug	15
	Don't Know.....	99
	Refuse to Answer	77

FlowCheck_SX112spec. If SX112 EQ 15, go to SX112spec. Else, go to SX113.

SX112spec. Specify other drug used:

SPECDRP3 Specify other drug used at last sex – PxP 3

{text response; max length = 50 characters}

SX113. When you had sex that last time, did you give &[SX20] money or drugs in exchange for sex?

GIVELSP3	Give money or drugs at last sex – PxP 3	
	No	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

SX114. When you had sex that last time, did &[SX20] give you money or drugs in exchange for sex?

RECELSP3	Receive money or drugs at last sex – PxP 3	
	No	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

INTRO_SX115a. “**READ:** “No matter how well a couple gets along, there are times when they disagree or fight. Couples have many ways of settling their differences. Please indicate if the following things have occurred with your boyfriends, girlfriends, or sex partners.”

SX115a. Have you ever been hit, slapped, punched or hurt by a boyfriend, girlfriend or sexual partner?

PARTDV

M_YMSM Partner perpetrated DV

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

SX115b. Have YOU ever hit, slapped, punched or hurt your boyfriend, girlfriend or sexual partner?

RESPDV

M_YMSM Respondent perpetrated DV

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

SX115c. Have you ever been forced to have sex when you did not want to? (This includes physical and non-physical pressure, such as pushing you, arguing with you or threatening you in order to have sex?)

M_MFORCE

M_YMSM forced sex experience

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

FlowCheck_End of Sexual Behavior.	Go to Alcohol Use (AL).
--	-------------------------

NHBS YMSM QUESTIONNAIRE

ALCOHOL USE (AL)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preloaded variables	--	ONEYRM	Autofill for interview month, 1 year ago
Preloaded variables		ABBREV	Ending for day (st, nd, rd, or th)
Preloaded variables		DAY	Autofill: 30 days before interview (day of month)

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

AL1. In the past **12 months**, that is, since &[ONEYRM] of last year, did you drink any alcohol such as beer, wine, malt liquor, or hard liquor?
ALC12M Had one or more drinks past 12 months

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

FlowCheck_AL2. If AL1 NE 1, go to Non-Injection Drug Use Section. Else, go to AL2.

AL2 . In the past **12 months**, how often did you have 5 or more alcoholic drinks in one sitting? [GIVE RESPONDENT FLASHCARD I] [READ CHOICES. CHECK only ONE.]
ALC512 Had 5+ drinks 12 months - frequency

Never	0
More than once a day	1
Once a day	2
More than once a week	3
Once a week	4
More than once a month	5
Once a month	6
Less than once a month	7
Don't Know	99
Refuse to Answer	77

INTRO_AL3. "READ: The next questions are about drinking alcohol during the past 30 days, that is since the &[DAY]&[ABBREV] of last month."

AL3. During the past **30 days**, on how many days did you drink alcohol?
ALC30USE Number of days consumed alcohol in past 30 days

Range	0-30
Don't Know	999
Refuse to Answer	777

FlowCheck_AL4. If AL3 EQ 0, go to Non-Injection Drug Use Section. Else, go to AL4.

AL4. **During the past 30 days, on the days when you drank alcohol, how many drinks did you usually have?**
ALC30USU Number of drinks usually consumed past 30 days

— —
Range..... 1-99
Don't Know..... 999
Refuse to Answer 777

AL5. **During the past 30 days, how many times did you have 5 or more alcoholic drinks in one sitting?**
ALC30BIN Number times binge drank in past 30 days

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

FlowCheck_End of Alcohol Use. Go to Non Injection Drug Use (ND).

NHBS YMSM QUESTIONNAIRE

NON-INJECTION DRUG USE (ND)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preloaded variable	--	ONEYRM	Actual Month

INTRO_ND1. “**READ:** Now I'm going to ask you about non-injection drugs that you may have used. This includes drugs like marijuana, crystal meth, cocaine, crack, club drugs, painkillers, or poppers.”

ND1. **In the past 12 months, that is, since &[ONEYRM] of last year, have you used any drugs you did not inject, other than those prescribed for you?**

NIUSE12 Non-injection drug use - 12 months

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

FlowCheck_ND2A. If ND1 EQ 0, DK or REF, go to Injection Drug use section (ID). Else, go to INTRO_ND2A.

INTRO_ND2A. “**READ:** I'm going to read you a list of drugs. For each drug I mention, please tell me how often you used it in the past 12 months. Do not include drugs you injected or drugs that were prescribed for you. **[GIVE RESPONDENT FLASHCARD I]**”

ND2A. **How often did you use marijuana?**

NI12A How often used marijuana past 12 months

Never	0
More than once a day	1
Once a day	2
More than once a week	3
Once a week	4
More than once a month	5
Once a month	6
Less than once a month	7
Don't know	99
Refuse to Answer	77

ND2A.2. **How often did you use synthetic marijuana, also called spice or K2?**

NI12A2 How often used synthetic marijuana past 12 months

Never	0
More than once a day	1
Once a day	2
More than once a week	3
Once a week	4
More than once a month	5
Once a month	6
Less than once a month	7
Don't know	99
Refuse to Answer	77

ND2B. **How often did you use crystal meth, also called tina, crank, or ice?**

NI12B	How often used crystal meth (tina, crank, or ice) past 12 months	
	Never	0
	More than once a day	1
	Once a day	2
	More than once a week.....	3
	Once a week	4
	More than once a month	5
	Once a month.....	6
	Less than once a month	7
	Don't know	99
	Refuse to Answer	77

ND2C. How often did you use crack cocaine?

NI12C	How often used crack cocaine past 12 months	
	Never	0
	More than once a day	1
	Once a day	2
	More than once a week.....	3
	Once a week	4
	More than once a month	5
	Once a month.....	6
	Less than once a month	7
	Don't know	99
	Refuse to Answer	77

ND2D. How often did you use powdered cocaine that is smoked or snorted?

NI12D	How often used powdered cocaine that is smoked or snorted past 12 months	
	Never	0
	More than once a day	1
	Once a day	2
	More than once a week.....	3
	Once a week	4
	More than once a month	5
	Once a month.....	6
	Less than once a month	7
	Don't know	99
	Refuse to Answer	77

ND2E. How often did you use downers, also called benzos, such as Klonopin, Valium, Ativan, or Xanax?

NI12E	How often used downers (benzos) such as Valium past 12 months	
	Never	0
	More than once a day	1
	Once a day	2
	More than once a week.....	3
	Once a week	4
	More than once a month	5
	Once a month.....	6
	Less than once a month	7
	Don't know	99
	Refuse to Answer	77

ND2F. How often did you use pain killers such as Oxycontin, Vicodin, or Percocet?

NI12F	How often used pain killers such as Oxycontin, Vicodin past 12 months	
	Never	0
	More than once a day	1
	Once a day	2
	More than once a week.....	3

Once a week	4
More than once a month	5
Once a month.....	6
Less than once a month	7
Don't know	99
Refuse to Answer	77

ND2H. How often did you use X or ecstasy, also called MDMA or Molly?

NI12H	How often used X or ecstasy past 12 months	
	Never	0
	More than once a day	1
	Once a day.....	2
	More than once a week.....	3
	Once a week	4
	More than once a month	5
	Once a month.....	6
	Less than once a month	7
	Don't know	99
	Refuse to Answer	77

ND2I. How often did you use heroin that is smoked or snorted?

NI12I	How often used heroin that is smoked or snorted past 12 months	
	Never	0
	More than once a day	1
	Once a day.....	2
	More than once a week.....	3
	Once a week	4
	More than once a month	5
	Once a month.....	6
	Less than once a month	7
	Don't know	99
	Refuse to Answer	77

ND2J. How often did you use Poppers, also called amyl nitrite?

NI12J	How often used Poppers (amyl nitrite) past 12 months	
	Never	0
	More than once a day	1
	Once a day.....	2
	More than once a week.....	3
	Once a week	4
	More than once a month	5
	Once a month.....	6
	Less than once a month	7
	Don't know	99
	Refuse to Answer	77

ND2K. In the past 12 months, have you used any other non-injection drugs?

OTHNIDR	Used other non-injecting drugs past 12 mos	
	No	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

FlowCheck_ND2K.spec. If ND2K EQ 1, go to ND2K.spec. Else, go to Injection Drug Use section (ID).

ND2K.spec. Specify other non-injection drug
SPEC_DRG Other non-injection drug

{text response; max length = 30 characters}

Refuse to Answer..... 7

FlowCheck_ND2K.2. If ND2K.spec EQ REF, go to Injection Drug Use section (ID). Else, go to ND2K.2.

ND2K.2. How often did you use &[SPEC_DRG]?
NI12K How often used other drug past 12 months

Never	0
More than once a day	1
Once a day	2
More than once a week.....	3
Once a week	4
More than once a month	5
Once a month.....	6
Less than once a month	7
Don't know	99
Refuse to Answer	77

FlowCheck_EndofNonInjectionDrugUse. Go to Injection Drug Use section (ID).

NHBS YMSM QUESTIONNAIRE

INJECTION DRUG USE (ID)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preloaded variables	--	AGE	QDS calculated age today

INTRO_ID1.	"READ: The next questions are about injection drug use. This means injecting drugs yourself or having someone who isn't a health care provider inject you. Please remember your answers will be kept private."		
-------------------	---	--	--

ID1.	Have you ever in your life shot up or injected any drugs other than those prescribed for you? By shooting up, I mean anytime you might have used a needle to inject drugs in your veins, under the skin, or in the muscle.		
EVRINJ	Ever Injected drugs		
	No	0	
	Yes	1	
	Don't Know	9	
	Refuse to Answer	7	

FlowCheck_ID1a.	If ID1 NE 1, go to HIV Testing Experiences section (HT). Else, go to ID1a.		
------------------------	--	--	--

ID1a.	Think back to the very first time you injected any drugs, other than those prescribed for you. How old were you when you first injected any drug?		
AGEINJ	INJ Age at first injection		
	Range.....	0-18	
	Don't Know	99	
	Refuse to Answer	77	

HardEditCheck_ID1a.	If ID1a GT AGE, DISPLAY: "The age of first injection cannot be greater than your current age (&[age])." Then, go back to ID1a. Else, go to ID1b.num.		
----------------------------	--	--	--

ID1b.num.	When was the last time you injected any drug? That is, how many days or months or years ago did you last inject? [Interviewer: Enter the number below. If today, enter "000"]		
LINJN	When last injected, number		
	Range.....	0-365	
	Don't Know	999	
	Refuse to Answer	777	

FlowCheck_ID1b.dmy.	If ID1b.num EQ 0, 00, or 000, DK, or REF, go to INTRO_ID2. Else, go to ID1b.dmy.		
----------------------------	--	--	--

ID1b.dmy.	Interviewer: Was this days or months or years ago that respondent last injected? [If today, enter "days" .]		
LINJ_U	When last injected: day, month or year		
	# of Days.....	0	
	# of Months	1	
	# of Years.....	2	

INTRO_ID2. "READ: The next questions are about injection drug use in your lifetime."

Which drug did you inject <u>most often</u>?	
[DO NOT read choices. CHECK only ONE.]	
ID2.	Drug injected most often
INJMOFT	Speedball (heroin & cocaine together) 1
	Heroin, by itself 2
	Powder cocaine, by itself..... 3
	Crack cocaine, by itself 4
	Methamphetamine, which includes meth, crystal meth, speed, or crank..... 5
	Painkillers, such as Oxycontin, Dilaudid, morphine, Percocet, or Demerol..... 6
	Other 7
	Don't Know..... 99
	Refuse to Answer 77

FlowCheck_ID2spec. If ID2 EQ 7, go to ID2spec. Else, go to ID3.

ID2spec. **Specify other drug injected most often:**
SPECINJ Other drug injected most often

{text response; max length = 30 characters}

Refuse to Answer..... 7

Did you inject any other drugs?	
ID3.	Did respondent inject any drugs other than most often
INJOTH1	No 0
	Yes 1
	Don't Know..... 9
	Refuse to Answer 7

FlowCheck_ID4. IF ID3 EQ 0, DK or REF then go to HIV Testing Experiences section. Else go to ID4.

What other drugs did you inject?	
[DO NOT read choices. CHECK ALL THAT APPLY.]	
ID4.	Drugs injected other than most often - lifetime
INJOTH	Speedball (heroin & cocaine together) 1
INJOTHA	Heroin, by itself 2
INJOTHB	Powder cocaine, by itself..... 3
INJOTHC	Crack cocaine, by itself 4
INJOTHD	Methamphetamine, which includes meth, crystal meth, speed, or crank 5
INJOTHE	Painkillers, such as Oxycontin, Dilaudid, morphine, Percoset or Demerol..... 6
INJOTHF	Other 7
INJOTHG	Don't Know..... 99
	Refuse to Answer 77

FlowCheck_ID4spec.	If INJOTHG EQ 1, go to ID4spec. Else, go to HIV Testing Experiences section (HT).
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ID4spec. **Specify other drugs you injected:**
SPECIDRG INJ Other drug specify - lifetime

{text response; max length = 50 characters}

Refuse to Answer..... 7

FlowCheck_EndofInjectionDrugUse.	Go to HIV Testing Experiences section (HT).
---	---

NHBS YMSM QUESTIONNAIRE

HIV TESTING EXPERIENCES (HT)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preloaded Variable	--	AGO2YRSL	Two years before interview—text date
Preloaded Variable	--	IDATE	Interview date
Preloaded Variable	--	AGO_6M	6 months ago
Preloaded Variable	--	AGO2YRS	Two years before interview
Preloaded Variable	--	AGO_12MT	12 months ago HIV Testing
Preloaded Variable	--	AGO12_YR	Two years ago: Year
Preloaded Variable	--	IDATEY	Interview date: Year
Eligibility Screener	ES1b	DOB	Date of birth
Interviewer Entered Information	INT2	CITY	City

HIV Testing

INTRO_HT1. “READ: Now I’m going to ask you a few questions about getting tested for HIV. Remember, an HIV test checks whether someone has the virus that causes AIDS.”

HT1. Have you ever had an HIV test?

EVERTEST Ever tested for HIV

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

FlowCheck_HT2_1. If HT1 EQ 0, go to FlowCheck_HT6_2. Else, go to FlowCheck_HT2_2.

FlowCheck_HT2_2. If HT1 EQ DK or REF, go to INTRO_HT9. Else, go to HT2.

HT2. When did you have your first HIV test? Please tell me month and year. [MM/YYYY]

TST1ST First HIV test

mm/yyyy.....	Unlimited - Unlimited
Don’t Know	9999
Refuse to Answer	7777

FlowCheck_CALC_TST1ST_C. If HT2 EQ DK or REF, go to CALC_TST1ST_C. Else, go to HardEditCheck_HT2_1.

HardEditCheck_HT2_1. If HT2 After IDATE, DISPLAY: “The date of the first test cannot be after today’s date.” Then, go back to HT2. Else, go to HardEditCheck_HT2_2.

HardEditCheck_HT2_2. If HT2 Before ES1b, DISPLAY: “The date of the first test cannot be before your date of birth (&[DOB]).” Then, go back to HT2. Else, go to CALC_TST1ST_C.

CALC_TST1ST_C.		
TST1ST_C	Calculated variable:First test date	TST1ST_C = DATEYMD(TST1STY,TST1STM,1)

CALC_TSTFSTMO.		
TSTFSTMO	First test: Month	TSTFSTMO = TST1STM

CALC_TSTFSTM.		
TSTFSTM	First Test Month	TSTFSTM = if(TST1STM=01, "January", if(TST1STM=02, "February", if(TST1STM=03, "March", if(TST1STM=04, "April", if(TST1STM=05, "May", if(TST1STM=06, "June", if(TST1STM=07, "July", if(TST1STM=08, "August", if(TST1STM=09, "September", if(TST1STM=10, "October", if(TST1STM=11, "November", if(TST1STM=12, "December", "Unspecified"))))))))))))

CALC_TSTFSTMY.		
TSTFSTMY	First Test: Month and Year	TSTFSTMY = concat(TSTFSTM,concat(" ",TST1STY))

HT2b. CPLSHIV	Have you ever gotten a couples HIV test? A couples HIV test is when you receive HIV test counseling in the same session as your boyfriend, girlfriend, or sex partner.	
	Ever received couples HIV test?	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

HT3. TEST2YRS	In the past 2 years, that is, since &[AGO2YRSL] how many times have you had an HIV test?	
	Number of times tested, past 2 years	
	Range.....	0-700
	Don't Know.....	999
	Refuse to Answer	777

HardEditCheck_HT3. If TST1ST_C After AGO2YRS and HT3 EQ 0, DISPLAY: "The number of times you have been tested for HIV in the past 2 years cannot be 0, because your <u>FIRST</u> HIV test was within the past 2 years." Then, go back to HT3. Else, go to HT4.		
---	--	--

HT4. RCNTST	When did you have your <u>most recent</u> HIV test? Please tell me month and year. [MM/YYYY]	
	Date most recent HIV test	
	mm/yyyy.....	Unlimited - Unlimited
	Don't Know.....	9999
	Refuse to Answer	7777

FlowCheck_HT4conf_1. If HT4 EQ REF, go to HT4a. Else, go to FlowCheck_HT4conf_2.		
FlowCheck_HT4conf_2. If HT4 EQ DK, go to CALC_AGO1Y. Else, go to FlowCheck_HT4conf_3.		
FlowCheck_HT4conf_3. If (LENGTH(RCNTSTM) EQ 0 and IDATEY – RCNTSTY EQ 1), go to CALC_AGO1Y. Else, go to HardEditCheck_HT4_1.		

HardEditCheck_HT4_1.	If HT4 Before AGO2YRS and HT3 GT 0, DISPLAY: "The most recent test cannot be before 2 years ago because you've been tested &[TEST2YRS] time(s) in the past 2 years." Then, go back to HT4. Else, go to FlowCheck_HT4conf_4.
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FlowCheck_HT4conf_4.	If HT2 EQ DK or REF, go to HardEditCheck_HT4_3. Else, go to HardEditCheck_HT4_2.
-----------------------------	--

HardEditCheck_HT4_2.	If HT4 Before HT2, DISPLAY: "The date of the most recent HIV test cannot be before the date of your first test ever (&[TSTFSTMY])." Then go back to HT4. Else, go to HardEditCheck_HT4_3.
HardEditCheck_HT4_3.	If HT4 After IDATE, DISPLAY: "The date of the most recent HIV test cannot be after today's date." Then go back to HT4. Else, go to HardEditCheck_HT4_4.
HardEditCheck_HT4_4.	If HT4 Before ES1B, DISPLAY: "The date of the most recent HIV test cannot be before your date of birth (&[DOB])." Then go back to HT4. Else, go to CALC_RCNTSTMM.

CALC_AGO1Y.	
AGO1Y	12 months ago: Month and Year AGO1Y = concat(ONEYRM,concat(" ",AGO12_YR))
HardEditCheck_HT4_5.	If HT4Y Before HT2Y and Length(HT4M) EQ 0, DISPLAY: "The date of the most recent HIV test cannot be before the date of your first test ever (&[TSTFSTMY])." Then, go back to HT4. Else, go to HT4conf.

HT4conf.	Was your most recent HIV test in the past 12 months, that is, since &[AGO1Y]?
C_RCNTST	HIV test in 12 months - y/n
	No 0
	Yes 1
	Don't Know..... 9
	Refuse to Answer 7

CALC_RCNTSTMM.	
	RCNTSTMM = if(RCNTSTM=01, "January", if(RCNTSTM=02, "February", if(RCNTSTM=03, "March", if(RCNTSTM=04, "April", if(RCNTSTM=05, "May", if(RCNTSTM=06, "June", if(RCNTSTM=07, "July", if(RCNTSTM=08, "August", if(RCNTSTM=09, "September", if(RCNTSTM=10, "October", if(RCNTSTM=11, "November", if(RCNTSTM=12, "December", "Unspecified"))))))))))
RCNTSTMM	Sub text: recent test month

CALC_RCNTSTST.	
	IF((RCNTST=.DK OR RCNTST=.REF), "that last time",
CALC_RCNTST_C.	IF(LENGTH(RCNTSTM)=0, concat("in ",RCNTSTY),concat("in ", concat (RCNTSTMM , concat (" ",RCNTSTY))))
RCNTST_C	Calculated variable for RCNTST_C = DATEYMD(RCNTSTY,RCNTSTM,1)
RCNTST_C	RCNTST_C substitution token

FlowCheck_HT4a.	If HT4conf EQ 0 or 1, go to HardEditCheck_HT4conf. Else, go to HT4a.
------------------------	--

HardEditCheck_HT4conf. If HT3 EQ 0 and (HT4 After AGO2YRS or HT4conf EQ 1), DISPLAY: "You said that you did not have any HIV tests in the past 2 years. However, your most recent HIV test is within the past 2 years. Please correct the number of HIV tests that you had in the past 2 years." Then, go back to HT3. Else, go to HT4a.

Persons who have been tested for HIV – ever

HT4a. RECTEST	Did you get the result of your most recent HIV test? Receipt of most recent HIV test result	
	No	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

FlowCheck_HT4b. If HT4a EQ 0, DK, or REF, go to HT4c. Else, go to HT4b.

HT4b. RCNTRSLT	What was the result of your most recent HIV test? [READ CHOICES. CHECK only ONE.] Result most recent HIV test	
	Negative, you do not have HIV.....	1
	Positive, you do have HIV.....	2
	Indeterminate	3
	Don't Know.....	9
	Refuse to Answer	7

HT4c. LOCTHIV	When you got tested &[RCNTSTST], where did you get tested? [Interviewer: Enter the site name.] Location of recent HIV test- text	
	----- {text response; max length = 50 characters}	
	Don't Know.....	9
	Refuse to answer.....	7

HT4d. LOCHIV	Location of recent HIV test: [Interviewer: classify test site from the following list of choices. Probe with additional questions if necessary. DO NOT read choices. Choose only one site type.] Location of recent HIV test	
	HIV counseling and testing site	1
	HIV/AIDS street outreach program/Mobile Unit.....	2
	Drug treatment program.....	3
	Needle exchange program	4
	Correctional facility (juvenile detention center, jail or prison) ...	5
	Family planning or obstetrics clinic	6
	Public health clinic/Community health center	7
	Private doctors office (including HMO)	8
	Emergency room	9
	Hospital (inpatient)	10
	At home.....	11
	At school.....	12
	Other	13
	Don't Know.....	99
	Refuse to Answer	77

HT4e.		The last time you got tested for HIV, why was it that you got tested? [READ CHOICES. CHECK ALL THAT APPLY.]	
HIVREAS	Reason for last HIV Test		
HIVREASA	Because I thought I had symptoms of a recent HIV infection		
HIVREASB	Because it was time for my regularly scheduled HIV test		
HIVREASC	Because I did something risky		
HIVREASD	Because a sexual partner disclosed they were HIV positive		
HIVREASE	Because I had an STD		
HIVREASF	Because I read something about HIV testing online		
HIVREASG	Because an organization approached me to take a test		
HIVREASH	Because I was starting a new relationship		
HIVREASI	Because I wanted to stop using condoms		
HIVREASJ	Other		
	Don't Know.....		99
	Refuse to Answer		77

FlowCheck_HT4f. If HIVREASJ EQ 1, go to HT4f. Else, go to FlowCheck_HT5_1.

HT4f. **The last time you got tested for HIV, why did you get tested?**
HIVREASK Other reason for getting HIV test

{text response; max length = 255 characters}

FlowCheck_HT5_1. IF HT4b EQ 1 or REF, go to FlowCheck_HT6_2. Else, go to Flowcheck_HT5_2.

FlowCheck_HT5_2. IF HT4b EQ 2, go to CALC_RCNTSTST. Else, go to HT5.

HT5.		Before your test &[RCNTSTST], did you ever test positive for HIV?	
EVRPOS	Before recent test, ever test positive for HIV		
	No		0
	Yes		1
	Don't Know.....		9
	Refuse to Answer		7

FlowCheck_HT6_1. If HT5 EQ 1, go to HT7a. Else, go to FlowCheck_HT6_2.

Persons who have not been tested for HIV in the last 12 months

FlowCheck_HT6_2. If (RCNTST_C After AGO_12MT) or (LENGTH(RCNTSTM) EQ 0 and IDATEY – RCNTSTY EQ 0) or (C_RCNTST EQ 1, DK or REF), go to HT6b. Else, go to HT6.

HT6.		I'm going to read you a list of reasons why some people have not been tested for HIV. Which of these best describes the <u>most important reason</u> you have not been tested for HIV in the past 12 months? [READ CHOICES. CHECK only ONE.]	
RENT12M	Reason not tested past 12 mos		
	You think you are at low risk for HIV infection.....		1
	You were afraid of finding out that you had HIV.....		2
	You didn't have time		3
	You didn't know where to go		4

You didn't have access to a testing site.....	5
You were afraid people would discover your sexual orientation	6
You didn't have the money to pay for the test.....	7
Some other reason	8
No particular reason.....	9
Don't Know	99
Refuse to Answer	77

FlowCheck_HT6a. If HT6 EQ 8, go to HT6a. Else, go to HT6b.

HT6a. **What was the most important reason you have not been tested for HIV in the past 12 months?**
SPECNTST Most important reason not tested past 12 months

{text response; max length = 50 characters}

HT6b. **How likely do you think it is that you will become infected with HIV in your lifetime? [READ CHOICES. CHECK only ONE.]**
PRHIVRSK Perceived risk of HIV infection

No chance of it	1
Very unlikely	2
Unlikely.....	3
Likely.....	4
Very Likely	5
Don't Know	9
Refuse to Answer	7

FlowCheck_CALC_RCNTSTST. Go to INTRO_HT9.

Persons who have tested HIV positive

CALC_RCNTSTST.

IF((RCNTST=.DK OR RCNTST=.REF), "that last time",
IF(LENGTH(RCNTSTM)=0, concat("in ",RCNTSTY),concat("in ", concat (RCNTSTM ,
concat (" ",RCNTSTY))))))

RCNTSTST RCNTST substitution token

HT7. **Was your test &[RCNTSTST] your first positive test?**
RCNTFRST Most recent positive test was first positive result

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

FlowCheck_HT7a. If HT7 EQ 1, DK or REF, go to HT7b. Else, go to HT7a.

HT7a. **When did you first test positive? Please tell me month and year. [MM/YYYY]**
POS1ST Date of first positive test (before most recent result)

mm/yyyy.....	Unlimited - Unlimited
Don't Know	9999

FlowCheck_ CALC_POS1STMM_1.	If HT7a EQ DK or REF, go to CALC_POS1STMM. Else, go to FlowCheck_ CALC_POS1STMM_2.
FlowCheck_ CALC_POS1STMM_2.	If HT7a Before ES1b go to HardEditCheck_HT7a_4. Else, go to HardEditCheck_HT7a_1.

HardEditCheck_HT7a_1.	If HT7a After IDATE, DISPLAY: "The date of the first positive HIV test cannot be after today's date." Then, go back to HT7a. Else, go to HardEditCheck_HT7a_2.
HardEditCheck_HT7a_2.	If HT7a After HT4, DISPLAY: "The date of your first positive test cannot be after the date of your recent HIV test (&[RCNTSTST])." Then, go back to HT7a. Else, go to FlowCheck_ CALC_POS1STMM_3.

FlowCheck_ CALC_POS1STMM_3.	If HT2 EQ DK or REF, go to HardEditCheck_HT7a_4. Else, go to HardEditCheck_HT7a_3.
--	--

HardEditCheck_HT7a_3.	If HT7a Before HT2, DISPLAY: "The date of your first positive test cannot be before the date of your first test ever (&[TSTFSTMY])." Then, go back to HT7a. Else, go to HardEditCheck_HT7a_4.
HardEditCheck_HT7a_4.	If HT7a Before ES1B, DISPLAY: "The date of the first positive HIV test cannot be before your date of birth." Then, go back to HT7a. Else, go to CALC_POS1STMM.

CALC_POS1STMM.	
POS1STMM	Sub text: First positive test month
	POS1STMM = if(POS1STM=01, "January", if(POS1STM=02, "February", if(POS1STM=03, "March", if(POS1STM=04, "April", if(POS1STM=05, "May", if(POS1STM=06, "June", if(POS1STM=07, "July", if(POS1STM=08, "August", if(POS1STM=09, "September", if(POS1STM=10, "October", if(POS1STM=11, "November", if(POS1STM=12, "December", "Unspecified")))))))))))

CALC_POS1STST.	
CALC_POS1ST_C.	POS1STST = IF((POS1ST=.DK or POS1ST=.REF), "that time", IF(LENGTH(POS1STM)=0, concat("in ", POS1STY), concat("in ", concat(POS1STMM, concat(" ", POS1STY)))))
POS1STST	Calculation version of POS1
POS1ST_C	POS1ST substitution token date POS1ST_C = DATEYMD(POS1STY, POS1STMM, 1)

	After you tested positive, were you asked by someone from the health department or your health care provider to give the names of your sex or drug use partners so they could be notified that they may have been exposed to HIV?	
HT7b.		
POSASKED	Asked about your sex partners	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

FlowCheck_HT7c.	If HT7b EQ 1, go to HT7c. Else, go to FlowCheck_HT7d.1.
------------------------	---

HT7c.	Did you give the names or contact information of any of your partners when asked?	
POSCONT	Gave names or contact information of partners when asked	
	No	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

FlowCheck_HT7d.1. If HT7 EQ 1, DK, or REF, go to HT7d.1. Else, go to HT7d.2.

HT7d.1.	Before your first positive test &[RCNTSTST], did you ever have a negative HIV test? By negative HIV test, I mean the test showed you did not have HIV infection.	
NEGBEF1	Ever had negative HIV test before 1st positive, most recent test IS first positive test	
	No	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

FlowCheck_HT7d.2. If HT7d.1 NE 1, go to FlowCheck_HT7e.1_7. Else, go HT7d.3.

HT7d.2.	Before your first positive test &[POS1STST], did you ever have a negative HIV test? By negative HIV test, I mean the test showed you did not have HIV infection.	
NEGBEF2	Ever had negative HIV test before 1st positive, most recent test NOT first positive test	
	No	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

FlowCheck_HT7d.3. If HT7d.2 NE 1, go to FlowCheck_HT7e.1_7. Else, go to HT7d.3.

HT7d.3.	What was the month and year that you got your last negative HIV test? Tell me when you got your last test, not when you got your results.	
WHLSTNG	When did you get your last HIV negative test	
	mm/yyyy.....	Unlimited - Unlimited
	Don't Know.....	9999
	Refuse to Answer	7777

FlowCheck_HT7e.1_1. If HT7d.3 EQ DK or REF, go to FlowCheck_HT7e.1_7. Else, go to HardEditCheck_HT7d.3_1.

HardEditCheck_HT7d.3_1. If HT7d.3. After IDATE, DISPLAY: "Date of HIV test cannot be after the current date." Then, go back to HT7d.3. Else, go to HardEditCheck_HT7d.3_2.

HardEditCheck_HT7d.3_2. If HT7d.3 Before ES1B, DISPLAY: "The date of the last negative HIV test cannot be before your date of birth." Then, go back to HT7d.3. Else, go to FlowCheck_HT7e.1_2.

FlowCheck_HT7e.1_2. If HT2 EQ DK or REF, go to FlowCheck_HT7e.1_3. Else, go to HardEditCheck_HT7d.3_3.

HardEditCheck_HT7d.3_3. If HT7d.3 Before HT2, DISPLAY: "The date of your last negative HIV test cannot be earlier than your first test ever (&[TSTFSTMY])." Then, go back to HT7d.3. Else, go to FlowCheck_HT7e.1_3.

FlowCheck_HT7e.1_3. If HT7 EQ 1, go to FlowCheck_HT7e.1_4. Else, go to FlowCheck_HT7e.1_5.

FlowCheck_HT7e.1_4. If HT4 EQ DK or REF, go to FlowCheck_HT7e.1_7. Else, go to HardEditCheck_HT7d.3_4.

HardEditCheck_HT7d.3_4. If HT7d.3 After HT4, DISPLAY: "The date of your last negative HIV test cannot be after your first positive test." Then, go back to HT7d.3. Else, go to FlowCheck_HT7e.1_5.

FlowCheck_HT7e.1_5. If HT7 EQ 0 or HT5 EQ 1, go to FlowCheck_HT7e.1_6. Else, go to FlowCheck_HT7e.1_7.

FlowCheck_HT7e.1_6. If HT7a EQ DK or REF, go to FlowCheck_HT7e.1_7. Else, go to HardEditCheck_HT7d.3_5.

HardEditCheck_HT7d.3_5. If HT7d.3 After HT7a, DISPLAY: "The date of your last negative HIV test cannot be after your first positive test." Then, go back to HT7d.3. Else, go to FlowCheck_HT7e.1_7.

FlowCheck_HT7e.1_7. If HT7 EQ 1, go to HT7e.1. Else, go to FlowCheck_HT7e.2.

HT7e.1. In the 2 years before your first positive test &[RCNTSTST], how many times did you get tested for HIV? Don't include your first positive test in that total number.

BFPSNUM1

Number times tested before 1st positive test, most recent test IS first positive test

Range..... 0-700

Don't Know..... 999

Refuse to Answer 777

FlowCheck_HT7e.2. If (HT7 EQ 0, DK or REF), or HT5 EQ 1, go to HT7e.2. Else, go to HT7f.

HT7e.2. In the 2 years before your first positive test &[POS1STST], how many times did you get tested for HIV? Don't include your first positive test in that total number.

BFPSNUM2

Number times tested before 1st positive test, most recent test NOT first positive test

Range..... 0-700

Don't Know..... 999

Refuse to Answer 777

HT7f. Have you ever been seen by a doctor, nurse or other health care provider for a medical evaluation or care related to your HIV infection?

POSMD

Seen health care provider for HIV infection

No 0

Yes 1

Don't Know..... 9

Refuse to Answer 7

FlowCheck_HT7f.1_1. If HT7f EQ DK or REF, go to INTRO_HT8b. Else, go to FlowCheck_HT7f.1_2.

FlowCheck_HT7f.1_2. If HT7f EQ 1, go to HT7g. Else, go to HT7f.1.

HT7f.1.		What is the main reason you have never gone to a health care provider for a medical evaluation or care related to your HIV infection? [DO NOT read choices. Choose only one reason.]
POSRNHCP		Reason didn't go to health care provider for HIV
		Feel good, don't need to go 1
		Don't want to think about being HIV positive/Denial 2
		Didn't have money or insurance 3
		Inconvenient (location/hours/time, etc.) 4
		Forgot to go/Missed appointment 5
		I didn't want my provider to know that I was drinking or using drugs..... 6
		I have made an appointment but I have not gone yet 7
		Other 8
		Don't Know..... 99
		Refuse to Answer 77

FlowCheck_HT7f.2. If HT7f.1 NE 8, go to FlowCheck_HT7g_1. Else, go to HT7f.2.

HT7f.2. Interviewer: Specify other reason Respondent never sought HIV care.
SPECNSC Other reason never sought care

{text response; max length = 50 characters}

FlowCheck_HT7g. Go to INTRO_HT8b.

HT7g. When did you first go to your health care provider after learning you had HIV? Please tell me month and year. [MM/YYYY]
FRSTMD First saw health care provider after learning HIV+
mm/yyyy..... Unlimited - Unlimited
Don't Know..... 9999(Year)
Refuse to Answer 7777(Year)

CALC_FRSTMDCA

Calculation version of FIRST

FRSTMDCA MD date FRSTMDCA = DATEYMD(FRSTMDY,FRSTMDM,1)

FlowCheck_HT7g.1_1. If HT7g EQ DK or REF or if FRSTMDM EQ DK, go to HT7g.1. Else, go to HardEditCheck_HT7g_1.

HardEditCheck_HT7g_1. If HT7g After IDATE, DISPLAY: "The date you first saw your health care provider about your positive serostatus cannot be after today's date." Then, go back to HT7g. Else, go to HardEditCheck_HT7g_2.

HardEditCheck_HT7g_2. If HT7g Before ES1B, DISPLAY: "The date you first saw your health care provider about your positive serostatus cannot be before your date of birth (&[DOB])." Then, go back to HT7g. Else, go to FlowCheck_HT7g.1_2.

FlowCheck_HT7g.1_2. If (HT4 NE DK or REF) and (HT7 NE DK or REF), go to HardEditCheck_HT7g_3. Else, go to FlowCheck_HT7g.1_3.

HardEditCheck_HT7g_3. If HT7g Before HT4, and if HT7 EQ 1, DISPLAY: "The date you first saw your health care provider about your positive serostatus should not be before your most recent HIV test." Then, go back to HT7g. Else, go to FlowCheck_HT7g.1_3.

FlowCheck_HT7g.1_3. If HT7a NE DK and HT7a NE REF, go to HardEditCheck_HT7g_4. Else go to FlowCheck_HT7g.1_4.

HardEditCheck_HT7g_4. If HT7g Before HT7a, DISPLAY: "The date you first saw your health care provider about your positive serostatus should not be before your first positive test." Then, go back to HT7g. Else, go to FlowCheck_HT7g.1_4.

FlowCheck_HT7g.1_4. If HT7 EQ DK or REF or HT5 EQ DK or REF, go to HT7g.1. Else, go to FlowCheck_HT7g.1_5.

FlowCheck_HT7g.1_5. If HT7 EQ 0 or HT5 EQ 1, go to FlowCheck_HT7g.1_11. Else, go to FlowCheck_HT7g.1_6.

FlowCheck_HT7g.1_6. If HT4 EQ DK or REF, go to HT7g.1. Else, go to FlowCheck_HT7g.1_7.

FlowCheck_HT7g.1_7. If FRSTMDY – RCNTSTY GT 1, go to HT7h. Else, go to FlowCheck_HT7g.1_8.

FlowCheck_HT7g.1_8. If FRSTMDY – RCNTSTY EQ 0 or 1, go to FlowCheck_HT7g.1_9. Else, go to FlowCheck_HT7g.1_10.

FlowCheck_HT7g.1_9. If LENGTH(FRSTMDM) EQ 0 or LENGTH(RCNTSTM) EQ 0, go to HT7g.1. Else, go to FlowCheck_HT7g.1_10.

FlowCheck_HT7g.1_10. If FRSTMDCA - RCNTST_C LT 93, go to HT7i. Else, go to FlowCheck_HT7g.1_11.

FlowCheck_HT7g.1_11. If HT7 EQ 1, go to HT7h. Else, go to FlowCheck_HT7g.1_12.

FlowCheck_HT7g.1_12. If HT7a EQ DK or REF, go to HT7g.1. Else, go to FlowCheck_HT7g.1_13.

FlowCheck_HT7g.1_13. If FRSTMDY – POS1STY GT 1, go to HT7h. Else, go to HardEditCheck_HT7g_5.

HardEditCheck_HT7g_5. If HT7g LT HT7a, DISPLAY: "The date you first saw your health care provider about your positive serostatus should not be before your first positive test." Then, go back to HT7g. Else, go to FlowCheck_HT7g.1_14.

FlowCheck_HT7g.1_14. If FRSTMDY - POS1STY EQ 0 or 1, go to FlowCheck_HT7g.1_15. Else, go to FlowCheck_HT7g.1_16.

FlowCheck_HT7g.1_15. If LENGTH(FRSTMDM) EQ 0 or LENGTH(POS1STM) EQ 0, go to HT7g.1. Else, go to FlowCheck_HT7g.1_16.

FlowCheck_HT7g.1_16. If FRSTMDCA – POS1ST_C LT 93, go to HT7i. Else, go to HT7h.

HT7g.1. Did you first go to your health care provider for HIV care more than 3 months after learning you had HIV?

C_FRSTMD

Confirm: 1st MD visit more than 3 months of HIV

No 0

Yes 1

Don't Know 9

Refuse to Answer 7

FlowCheck_HT7h. If HT7g.1. EQ 0, DK or REF, go to HT7i. Else, go to HT7h.

HT7h.
RDELYHCP

Some people go to a health care provider soon after learning they are positive; others do not. What is the main reason you didn't go to a health care provider soon after you learned of your HIV infection? [DO NOT read choices. CHECK only ONE reason.]

Main reason delayed visit to health care provider for HIV care	
Felt good, didn't need to go	1
Didn't want to think about being HIV positive/Denial.....	2
Didn't have money or insurance	3
Inconvenient (location/hours/time, etc.).....	4
Forgot to go/Missed appointment	5
Drinking or using drugs.....	6
Unable to get earlier appointment.....	7
Other	8
Don't Know	99
Refuse to Answer	77

FlowCheck_HT7h.1. If HT7h NE 8, go to HT7i. Else, go to HT7h.1.

HT7h.1.
SPECRCAD

Interviewer: Specify other reason Respondent did not seek HIV care soon after diagnosis:
Specified reason no care after diagnosis

{text response; max length = 50 characters}

HT7i.
LASTMD

When did you last go to your health care provider for HIV care? (Please tell me month and year.)
[MM/YYYY]

Last saw health care provider	
mm/yyyy.....	Unlimited - Unlimited
Don't Know	9999
Refuse to Answer	7777

FlowCheck_HT7i.1_1. If HT7i EQ REF, go to HT8. Else, go to FlowCheck_HT7i.1_2.

FlowCheck_HT7i.1_2. If HT7i EQ DK, go to FlowCheck_HT7i.1_5. Else, go to HardEditCheck_HT7i_1.

HardEditCheck_HT7i_1. If HT7i After IDATE, DISPLAY: "The date you last saw your health care provider cannot be after today's date." Then, go back to HT7i. Else, go to HardEditCheck_HT7i_2.

HardEditCheck_HT7i_2. If HT7i Before ES1B, DISPLAY: "The date of the last visit cannot be before your date of birth." Then, go back to HT7i. Else, go to FlowCheck_HT7i.1_3.

FlowCheck_HT7i.1_3. If HT7g EQ DK or REF, go to FlowCheck_HT7i.1_4. Else, go to HardEditCheck_HT7i_3.

HardEditCheck_HT7i_3. If HT7i Before HT7g, DISPLAY: "The date of your last visit cannot be earlier than the date of your first visit." Then, go back to HT7i. Else, go to FlowCheck_HT7i.1_4.

FlowCheck_HT7i.1_4. If IDATEY – LASTMDY GT 1, go to HT7j. Else, go to FlowCheck_HT7i.1_5.

FlowCheck_HT7i.1_5. If HT7i EQ DK or ((LENGTH(LASTMDM) EQ 0) and ((IDATEY – LASTMDY EQ 1) or (IDATEY – LASTMDY EQ 0))) go to HT7i.1. Else, go to FlowCheck_HT7j_1.

HT7i.1. What was your last visit for HIV care in the past 6 months?

C_LASTMD	Last HIV care in the past 6 months - n/y	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

FlowCheck_HT7j_1. If HT7i.1 EQ 1, DK or REF, go to HT8. Else, go to FlowCheck_HT7j_2.

FlowCheck_HT7j_2. If HT7i.1 EQ 0, go to HT7j. Else, go to FlowCheck_HT7j_3.

FlowCheck_HT7j_3. If HT7i After AGO_6M, go to HT8. Else, go to HT7j.

HT7j. What is the main reason you have not gone to a health care provider for HIV care in the past 6 months? [DO NOT read reason types. Choose only one reason.]

REANOHCP	Main reason not seen health care provider in 6 mos	
	Felt good, didn't need to go	1
	Didn't want to think about being HIV positive/Denial.....	2
	Didn't have money or insurance	3
	Inconvenient (location/hours/time, etc.).....	4
	Forgot to go/Missed appointment	5
	Didn't want my provider to know that I was drinking or using drugs.....	6
	I have an appointment scheduled but I haven't gone yet	7
	Other	8
	Don't Know	99
	Refuse to Answer	77

FlowCheck_HT7j.1 If HT7j EQ 8, go to HT7j.1. Else, go to HT8.

HT7j.1. Interviewer: Specify other reason Respondent has not sought HIV care in past 6 months:

SPECDCSC Specified reason no care past 6 months

{text response; max length = 50 characters}

HIV Medications

HT8. Are you currently taking antiretroviral medicines to treat your HIV infection?

CURRAMED	Currently taking antiretrovirals	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

FlowCheck_HT8a. If HT8 EQ 1, DK or REF, go to INTRO_HT8b. Else, go to HT8a.

HT8a. WHNOMEDS	What is the main reason you are not currently taking any antiretroviral medicines? [DO NOT read reason types. Choose only one reason.]	
	Main reason not currently taking AIDS meds	
	Feel good, don't need them	1
	CD4 count and viral load are good	2
	Doctor advised to delay treatment	3
	Don't want to think about being HIV positive/Denial	4
	Worried about side effects	5
	Don't have money or insurance	6
	Drinking or using drugs.....	7
	Recently into medical care	8
	Other	9
	Don't Know.....	99
	Refuse to Answer	77

FlowCheck_HT8a.1. If HT8a EQ 9, go to HT8a.1. Else, go to INTRO_HT8b.

HT8a.1.
SPECNOM **Interviewer: Specify other reason Respondent is not currently taking ARVs:**
Other reason not taking AIDS meds

{text response; max length = 50 characters}

INTRO_HT8b. “**READ:** Researchers are studying whether antiretroviral medicines could possibly be taken to prevent HIV infection.”

HT8b. ANTRPREV	Before today, have you ever heard of people who do <u>not</u> have HIV taking antiretroviral medicines to keep from getting HIV - also known as PrEP?	
	HIV (-) take antiretrovirals	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

FlowCheck_INTRO_HT9. Go to INTRO_HT11.

For Participants who have not previously tested HIV+

INTRO_HT9. “**READ:** Researchers are studying whether anti-HIV medicine (also called antiretrovirals) -- a pill -- could possibly be taken to prevent HIV infection.”

HT9. AHMPREV	Before today, have you ever heard of people who do <u>not</u> have HIV taking anti-HIV medicines to keep from getting HIV - also known as PrEP?	
	Heard of people taking anti-HIV meds for prevention	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

HT10. Would you be willing to take anti-HIV medicines every day to lower your chances of getting HIV?

WANTHIVD

Willing to take anti-HIV meds daily

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

For All Participants

INTRO_HT11. "READ: Now I'm going to read you some statements. Please tell me how strongly you agree or disagree with each statement, using the options on this card. **[GIVE RESPONDENT FLASHCARD F]"**

HT11.

PHIVDISC

The first statement is...Most people in &[CITY] would discriminate against someone with HIV. Do you... [READ CHOICES. CHECK only ONE.]

Perceived discrimination against someone with HIV

Strongly agree	1
Agree	2
Neither agree nor disagree.....	3
Disagree.....	4
Strongly disagree.....	5
Don't Know	9
Refuse to Answer	7

HT12.

PSUPPHIV

Most people in &[CITY] would support the rights of a person with HIV to live and work wherever they wanted to. Do you... [READ CHOICES. CHECK only ONE.]

Perceived support of rights of persons with HIV

Strongly agree	1
Agree	2
Neither agree nor disagree.....	3
Disagree.....	4
Strongly disagree.....	5
Don't Know	9
Refuse to Answer	7

HT13.

PERFRHIV

Most people in &[CITY] would not be friends with someone with HIV. Do you... [READ CHOICES. CHECK only ONE.]

Perceived friendships with persons with HIV

Strongly agree	1
Agree	2
Neither agree nor disagree.....	3
Disagree.....	4
Strongly disagree.....	5
Don't Know	9
Refuse to Answer	7

HT14.

PPUNISHH

Most people in &[CITY] think that people who got HIV through sex or drug use have gotten what they deserve. Do you... [READ CHOICES. CHECK only ONE.]

Belief people with HIV got what they deserved

Strongly agree	1
Agree	2
Neither agree nor disagree.....	3
Disagree.....	4
Strongly disagree.....	5
Don't Know	9
Refuse to Answer	7

FlowCheck_EndofHIVTestingExperiences.	Go to Health Conditions Section (HC).
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NHBS YMSM QUESTIONNAIRE

HEALTH CONDITIONS (HC)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Preloaded Variables	--	AGE	QDS calculated age today

CALC_AGO1Y.			
AGO1Y	Sub text for one year ago	AGO1Y = concat(ONEYRM,concat (" ",AGO12_YR))	

INTRO_HC1_1.	“READ: Now, I'm going to ask you some questions about sexually transmitted diseases, or STDs, other than HIV.”		
INTRO_HC1_2.	“READ: Has a doctor or other health care provider EVER told you that you had any of the following: [READ CHOICES, CHECK NO OR YES FOR EACH ONE.]”		

HC1.	Genital herpes?		
EVRHERP	Ever diagnosed genital herpes		
	No		0
	Yes		1
	Don't Know		9
	Refuse to Answer		7

HC2.	Genital warts, also known as HPV?		
EVRGWAR	Ever diagnosed genital warts		
	No		0
	Yes		1
	Don't Know		9
	Refuse to Answer		7

HC3.	In the past <u>12 months</u>, that is, since &[AGO1Y], were you tested by a doctor or other health care provider for a sexually transmitted disease like gonorrhea, chlamydia, or syphilis? Do <u>NOT</u> include tests for HIV or hepatitis.		
STDTEST	Tested for STD past 12 months		
	No		0
	Yes		1
	Don't Know		9
	Refuse to Answer		7

INTRO_HC3a.	“READ: In the <u>past 12 months</u>, has a doctor or other health care provider told you that you had... [READ CHOICES, CHECK NO OR YES FOR EACH ONE.]”		
--------------------	--	--	--

HC3a.	Gonorrhea?		
GONORR	Gonorrhea past 12 months		
	No		0
	Yes		1
	Don't Know		9
	Refuse to Answer		7

HC4. Chlamydia?
CHLAMYD Chlamydia past 12 months
No 0
Yes 1
Don't Know 9
Refuse to Answer 7

HC5. Syphilis?
SYPHILIS Syphilis past 12 months
No 0
Yes 1
Don't Know 9
Refuse to Answer 7

HC6. Any other STD?
OTHSTD Other STD past 12 months
No 0
Yes 1
Don't Know 9
Refuse to Answer 7

FlowCheck_HC6spec. If HC6 EQ 1, go to HC6spec. Else, go to HC7.

HC6spec. Specify other STD:
SPECSTD Specify other STD past 12 months

{text response; max length = 50 characters}

HC7. Have you ever received a vaccine against HPV, the virus that causes genital warts? HPV vaccine is also called GARDASIL, which prevents genital warts, anal cancer, and cervical cancer.
HPVSHOT Ever received HPV shot
No 0
Yes 1
Don't Know 9
Refuse to Answer 7

FlowCheck_HC8. If HC7 EQ 1, go to HC8. Else, go to INTRO_HC9a.

HC8. How old were you when you received your first dose of the HPV vaccine?
AGEVAC Age first dose HPV vaccine

Range 5-18
Don't Know 99
Refuse to Answer 77

HardEditCheck_HC8. If HC8 GT AGE, DISPLAY: "The age of first vaccination cannot be greater than current age of the respondent, &[AGE]." Then, go back to HC8. Else, go to HC8a.

HC8a. Did you receive all 3 doses of the HPV vaccine?

HPVSHOT1	Received all doses of the HPV vaccine	
	No	0
	Yes	1
	Don't Know	9
	Refuse to Answer	7

INTRO_HC9a. **"READ:** The next questions ask about the support you have from other people in your life. **[GIVE RESPONDENT FLASHCARD F]** I'm going to read you some statements. Please tell me how strongly you agree or disagree with them, using one of the options on this card."

HC9a. **I often feel isolated and alone. Do you... [READ CHOICES. CHECK only ONE.]**

SOCSUP1	Social support 1 – isolated and alone	
	Strongly agree	1
	Agree	2
	Neither agree nor disagree.....	3
	Disagree.....	4
	Strongly disagree.....	5
	Don't Know	9
	Refuse to Answer	7

HC9b. **There is no one I can talk to about the important decisions in my life. Do you... [READ CHOICES. CHECK only ONE.]**

SOCSUP2	Social support 2 – no one to talk to	
	Strongly agree	1
	Agree	2
	Neither agree nor disagree.....	3
	Disagree.....	4
	Strongly disagree.....	5
	Don't Know	9
	Refuse to Answer	7

HC9c. **I feel no one respects who I am. Do you... [READ CHOICES. CHECK only ONE.]**

SOCSUP3	Social support 3 – no one respects who I am	
	Strongly agree	1
	Agree	2
	Neither agree nor disagree.....	3
	Disagree.....	4
	Strongly disagree.....	5
	Don't Know	9
	Refuse to Answer	7

HC9d. **No one really understands my most private worries and fears. Do you... [READ CHOICES. CHECK only ONE.]**

SOCSUP4	Social support 4 – no one understands fears	
	Strongly agree	1
	Agree	2
	Neither agree nor disagree.....	3
	Disagree.....	4
	Strongly disagree.....	5
	Don't Know	9
	Refuse to Answer	7

HC9e. **There is no one I can depend on to lend me \$50 if I needed it in an emergency. Do you... [READ CHOICES. CHECK only ONE.]**

SOCSUP5	Social support 5 - no one to lend money	
	Strongly agree	1
	Agree	2

Neither agree nor disagree.....	3
Disagree.....	4
Strongly disagree.....	5
Don't Know.....	9
Refuse to Answer	7

INTRO_HC10a.

“READ: The next questions ask about the support you have from your family. I'm going to read you some statements. Please tell me how strongly you agree or disagree with them, using one of the options on this card. **[GIVE RESPONDENT FLASHCARD F]”**

HC10a.

My family really tries to help me. Do you... [READ CHOICES. CHECK only ONE.]

FAMSUP1

Family social support 1 – tries to help

Strongly agree	1
Agree	2
Neither agree nor disagree.....	3
Disagree.....	4
Strongly disagree.....	5
Don't Know.....	9
Not applicable	8
Refuse to Answer	7

HC10b.

I get the emotional help and support I need from my family. Do you... [READ CHOICES. CHECK only ONE.]

FAMSUP2

Family social support 2 – emotional support

Strongly agree	1
Agree	2
Neither agree nor disagree.....	3
Disagree.....	4
Strongly disagree.....	5
Don't Know.....	9
Not applicable	8
Refuse to Answer	7

HC10c.

I can talk about my problems with my family. Do you... [READ CHOICES. CHECK only ONE.]

FAMSUP3

Family social support 3 – talk about problems

Strongly agree	1
Agree	2
Neither agree nor disagree.....	3
Disagree.....	4
Strongly disagree.....	5
Not applicable	8
Don't Know.....	9
Refuse to Answer	7

HC10d.

My family is willing to help me make decisions. Do you... [READ CHOICES. CHECK only ONE.]

FAMSUP4

Family social support 4 – help make decisions

Strongly agree	1
Agree	2
Neither agree nor disagree.....	3
Disagree.....	4
Strongly disagree.....	5
Not applicable	8
Don't Know.....	9
Refuse to Answer	7

INTRO_HC11a. **"READ:** The next questions ask about how you have been feeling over the last 2 weeks. Over the last 2 weeks, how often have you been bothered by the following problems? **[GIVE RESPONDENT FLASHCARD L]"**

HC11a. Feeling nervous, anxious or on edge? [READ CHOICES. CHECK only ONE.]

DEPANX1 Depression Anxiety PHQA4 1 - anxious

Not at all.....	1
Several days.....	2
More than half the days	3
Nearly every day.....	4
Don't Know.....	9
Refuse to Answer	7

HC11b. Not being able to stop or control worrying? [READ CHOICES. CHECK only ONE.]

DEPANX2 Depression Anxiety PHQA4 2 - worrying

Not at all.....	1
Several days.....	2
More than half the days	3
Nearly every day.....	4
Don't Know.....	9
Refuse to Answer	7

HC11c. Little interest or pleasure in doing things? [READ CHOICES. CHECK only ONE.]

DEPANX3 Depression Anxiety PHQA4 3 – interest in doing things

Not at all.....	1
Several days.....	2
More than half the days	3
Nearly every day.....	4
Don't Know.....	9
Refuse to Answer	7

HC11d. Feeling down, depressed, or hopeless? [READ CHOICES. CHECK only ONE.]

DEPANX4 Depression Anxiety PHQA4 4 - depressed

Not at all.....	1
Several days.....	2
More than half the days	3
Nearly every day.....	4
Don't Know.....	9
Refuse to Answer	7

HC12a. Has there been a time in the past month when you had serious thoughts about ending your life?

SUICD1 Past month suicidal ideation

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

HC12b. Have you ever, in your whole life, tried to kill yourself or made a suicide attempt?

SUICD2 Ever suicidal attempt

No.....	0
Yes	1

OMB No: xxxx-xxxx
OMB Exp. Date: xx/xx/xxxx

Health Conditions

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

FlowCheck_EndofHealthConditions.

Go to Incarceration Experiences (INC).

NHBS YMSM QUESTIONNAIRE

INCARCERATION EXPERIENCES (INC)

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	--	ONEYRM	Actual Month

INTRO_INC1.	"READ: Now I will ask about experiences you may have had with the criminal justice system. Please remember your answers will be kept private."		
--------------------	---	--	--

INC1. **Have you ever been held in a juvenile detention center, jail, or prison for more than 24 hours?**

EVHELD

Ever held or arrested

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

FlowCheck_INC2.	If INC1 EQ 1, go to INC2. Else, go to Prevention Activities Section (PA).
------------------------	---

INC2. **During the past 12 months, that is, since &[ONEYRM] of last year, have you been held in a juvenile detention center, jail, or prison, for more than 24 hours?**

HELD12M

Held or arrested past 12 months

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

FlowCheck_End of Incarceration Experiences.	Go to Prevention Activities Section (PA).
--	---

NHBS YMSM QUESTIONNAIRE

ASSESSMENT OF PREVENTION ACTIVITIES (PA)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
DM	DM5	SCHOOL1	Education – currently in school

INTRO_PA1. “READ: Next I'd like to ask you about HIV prevention activities that happen around here.”

PA1. **In the past 12 months, have you gotten any free condoms, not counting those given to you by a friend, relative or sex partner?**

COND12 Received free condoms past 12 mos

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

FlowCheck_PA1a. If PA1 EQ 1, go to PA1a. Else, go to PA2.

PA1a. **[GIVE RESPONDENT FLASHCARD M.] Which place or places on this list did you get free condoms from? [READ CHOICES. CHECK ALL THAT APPLY.]**

FCONMSM	Location got free condoms MSM	
FCONMSMA	HIV/AIDS-focused community-based organization	
FCONMSMB	GLBTQ organization or community health center	
FCONMSMC	Health center or clinic	
FCONMSMD	Bar, club, bookstore, or other business	
FCONMSME	School	
FCONMSMF	Some other place	
	Don't Know	9
	Refuse to Answer	7

FlowCheck_PA1aspec. If FCONMSMF EQ 1, go to PA1aspec. Else, go to PA2.

PA1aspec. **Specify other place:**

SPECFCON Specify other place got free condoms MSM

{text response; max length = 50 characters}

PA2. **In the past 12 months, have you had a one-on-one conversation with an outreach worker, counselor, or prevention program worker about ways to prevent HIV? Don't count the times when you had a conversation as part of an HIV test.**

TALKHIV Talked to counselor about prevention past 12 mos

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

FlowCheck_PA2a. If PA2 EQ 1, go to PA2a. Else, go to PA3.

PA2a. [GIVE RESPONDENT FLASHCARD M.] Which type of organization did they work for? [READ CHOICES. CHECK ALL THAT APPLY.]

ILISRCM	Individual intervention sources	
ILISRCMA	HIV/AIDS-focused community-based organization	
ILISRCMB	GLBTQ organization or community health center	
ILISRCMC	Health center or clinic	
ILISRCMD	Bar, club, bookstore, or other business	
ILISRCME	School	
ILISRCMF	Some other type of organization	
	Don't Know.....	9
	Refuse to Answer	7

FlowCheck_PA2aspec. If ILISRCMF EQ 1, go to PA2aspec. Else, go to PA3.

PA2aspec. Specify other type of organization:
SPECILIS Specify other type of individual intervention source

{text response; max length = 50 characters}

PA3. In the past 12 months, have you been a participant in any organized session(s) involving a small group of people to discuss ways to prevent HIV? Don't include discussions you had with a group of friends.

GROUP12	Participate in group session past 12 mos	
	No.....	0
	Yes	1
	Don't Know.....	9
	Refuse to Answer	7

FlowCheck_PA3a. If PA3 EQ 1, go to PA3a. Else, go to INTRO_PA4.

PA3a. [GIVE RESPONDENT FLASHCARD M.] Which type of organization sponsored those sessions? [READ CHOICES. CHECK ALL THAT APPLY.]

GLISRCM	Group intervention sources	
GLISRCMA	HIV/AIDS-focused community-based organization	
GLISRCMB	GLBTQ organization or community health center	
GLISRCMC	Health center or clinic	
GLISRCMD	Bar, club, bookstore, or other business	
GLISRCME	School	
GLISRCMF	Some other organization	
	Don't Know.....	9
	Refuse to Answer	7

FlowCheck_PA3aspec. If GLISRCMF EQ 1, go to PA3aspec. Else, go to INTRO_PA4.

PA3aspec. Specify other type of organization:
SPECGLIS Specify other type of group intervention source

{text response; max length = 50 characters}

INTRO_PA4. "READ: The next questions are about education on sexuality, HIV/AIDS prevention, and other health education."

PA4. Have you ever been taught about AIDS or HIV infection in school?

HIVSCHOL

Ever taught about HIV in school

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

PA5. In school, have you ever been taught how to use condoms?

CDMSCHL

Ever taught about condoms in school

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

FlowCheck_PA6. If PA5 EQ 1, go to PA6. Else, go to PA7a.

PA6. Did this include information about how to use condoms for oral or anal sex?

SCLORANA

Ever taught about condoms for oral or anal sex

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

PA7a. In your school classes, was information about sexual orientation ever included, such as in discussions of dating, sexuality/sex education, or family relationships?

SXORISCL

Ever taught about sexual orientation in school

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

FlowCheck_PA7b. If PA7a EQ 1, go to PA7b. Else, go to PA8a.

PA7b. How would you describe the tone of these conversations about sexual orientation? [READ CHOICES. CHECK only ONE.]

SEXTONE

Tone of conversations about sexuality

Positive	0
Neutral	1
Negative	2
Don't Know	9
Refuse to Answer	7

PA8a. In school, have you ever been taught about lesbian, gay, bisexual, or transgender (LGBT) people, history, or events in any of your classes?

LGBTHIST

Ever taught about LGBT history in school

No	0
Yes	1

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

FlowCheck_PA8b. If PA8a EQ 1, go to PA8b. Else, go to CALC_SCHL_TX2..

PA8b.	How would you describe the tone of these conversations about LGBT people? [READ CHOICES. CHECK only ONE.]
LGBTTONE	Tone of conversation about LGBT people
	Positive..... 0
	Neutral 1
	Negative 2
	Don't Know..... 9
	Refuse to Answer 7

CALC_SCHL_TX2.	School environment substitution
SCHL_TX2	text calculation SCHL_TX2 = if(DM5 EQ 1, "Does your", "Did your")

PA9.	&[SCHL_TX2] school have a Gay/Straight Alliance (GSA) or another type of club that addresses LGBT student issues?
GSASCHL	Gay straight alliance in school
	No..... 0
	Yes 1
	Don't Know..... 9
	Refuse to Answer 7

INTRO_PA10. "READ: Next, I'd like to ask you some questions about what it was like for you to participate in this survey. How did it feel to answer the questions about:"

PA10.	Sexual behavior? [READ CHOICES. CHECK only ONE.]
SUREXP1	Experience of answering questions about sexual behavior
	Very comfortable..... 1
	Comfortable 2
	Uncomfortable 3
	Very uncomfortable 4
	Don't Know..... 9
	Refuse to Answer 7

PA11.	HIV testing and HIV status? [READ CHOICES. CHECK only ONE.] [Interviewer: be prepared to clarify that this refers to answering questions about HIV testing, not the HIV test that will be administered as part of the study]
SUREXP2	Experience of answering questions about HIV
	Very comfortable..... 1
	Comfortable 2
	Uncomfortable 3
	Very uncomfortable 4
	Don't Know..... 9
	Refuse to Answer 7

PA12.	Mental health and suicide? [READ CHOICES. CHECK only ONE.]
SUREXP3	Experience of answering questions about mental health

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Very comfortable.....	1
Comfortable	2
Uncomfortable	3
Very uncomfortable	4
Don't Know.....	9
Refuse to Answer	7

PA13.
SUREXP4 **Did answering any of these questions make you more uncomfortable than a typical visit to your physician, doctor, psychologist, or counselor? [READ CHOICES. CHECK only ONE.]**

Experience study compared to MD visit	
Yes, answering these questions made me more uncomfortable	1
No, it was more comfortable to answer these questions	2
I felt about the same answering these questions.....	3
Don't Know.....	9
Not applicable	8
Refuse to Answer	7

FlowCheck_EndofPreventionActivities.	Go to END Section (END).
---	--------------------------

NHBS YMSM QUESTIONNAIRE

END VARIABLES, INCLUDING AUTO-LAUNCH AND COMMENTS (END)

Variables from prior section(s) used in this section of the questionnaire			
Section	Question #	Variable name	Variable label
Interviewer Entered Information	INT3b	METHOD	YMSM Method
Consent	CN2	CONSENTB	Consent to HIV testing
Consent	CN3	CONSENTC	Consent to Blood Storage
Eligibility Screener	--	EL_YMSM	Eligible: MSM cycle

END1. Interviewer: Please confirm. Did the person complete the survey?

C_CMPLT	Confirm Complete	
	Did not complete the survey	0
	Did complete the survey	1

CALC_ENDCORE.

ENDCORE	Timestamp at end of core	ENDCORE = Current time
---------	--------------------------	------------------------

CALC_COMPLETE.

COMPLETE	Interview complete	COMPLETE = IF(C_CMPLT EQ 1, 1, 0)
----------	--------------------	-----------------------------------

FlowCheck_END2. If CN2 EQ 0, go to END2. Else, go to FlowCheck_END4a.

END2. My records reflect that you did not agree to HIV testing when asked earlier during the interview. Before I close out the survey, I'd like to ask you again about whether or not you would like an HIV test. Did you want the HIV test that is part of today's survey?

C_T_CNST	Confirmation of HIV Testing Consent	
	No – Respondent DOES NOT want an HIV test.....	0
	Yes – Respondent DOES want an HIV test.....	1

FlowCheck_END3. If END2 EQ 1, go to END3. Else, go to END5.

END3. Do you agree to HIV counseling and testing?

HIVCNSTB	Revised Consent to HIV testing	
	No	0
	Yes	1

END4. Do you agree to let us store a sample of your blood for future testing?

HIVCNSTD

Revised Consent to Blood Storage

No	0
Yes	1

FlowCheck_END4a. If CN2 EQ 1 and CN3 EQ 0, go to END4a. Else, go to END5.

END4a.

C_B_CNST

My records reflect that you did not agree to storing a sample of blood for future testing when asked earlier during the interview. Before I close out the survey, I'd like to ask you again about whether or not you would like to store a sample of blood for future testing. Did you want to store your blood for future testing?

Consent to store blood for future testing

No – Respondent DOES NOT want blood storage	0
---	---

Yes – Respondent DOES want blood storage	1
--	---

END5.

VALIDITY

To Interviewer: How confident are you of the validity of the respondent's answers?

Confidence in validity of answers

Confident	1
-----------------	---

Some doubts	2
-------------------	---

Not confident at all	3
----------------------------	---

FlowCheck_END5a. If END5 EQ 1, go to FlowCheck_CALC_YMSM_RCT. Else, go to END5a.

END5a.

VALSPEC

Please explain why you are not confident in the respondent's answers:

Specify why not confident in answers

{text response; max length = 200 characters}

FlowCheck_CALC_YMSM_RCT. If INT3b EQ 1 OR 3, go to END6. Else, go to CALC_YMSM_RCT.

RDS Recruiter Variables

CALC_YMSM_RCT.

YMSM_RCT

Eligible: YMSM RDS Recruiter

YMSM_RCT = IF(INT3b=2 AND EL_YMSM=1 AND COMPLETE=1 AND (VALIDITY=1 OR VALIDITY=2)),1, 0)

FlowCheck_INTRO_END6_1. If YMSM_RCT EQ 1, then go to FlowCheck_INTRO_END6_2. Else, go to FlowCheck_INTRO_END6_3.

FlowCheck_INTRO_END6_2. DISPLAY: "This respondent is **ELIGIBLE** to recruit others and receive coupons." Then, go to END6.

FlowCheck_INTRO_END6_3. DISPLAY: "This respondent **IS NOT** eligible to recruit others and receive coupons." Then, go to END6.

INTRO_END6. “**READ:** Thank you for answering these questions. Unfortunately, the computer has not selected you to participate in the health survey. Thank you again for your time.”

END6. To interviewer: Do you have any comments to add?

INTCOMM

Interviewer Comments

No

0

Yes

1

FlowCheck_END7. If END6 EQ 1, go to END7. Else, go to CALC_END.

END7. Enter interviewer comments

INTTXT

Interviewer comments text

This image shows a single sheet of white paper with horizontal dashed lines, typical of primary-ruled notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

```
{text response; max length = 1000 characters}
```

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

CALC END.

END

Interview end time

END = Current time

CALC EDATE.

EDATE

End date

EDATE = Today's date

CALC_INTTIME.

INTTIME

Elapsed interview/data entry
time

INTTIME = Elapsed interview/data entry time

FlowCheck_END8. If EL_YMSM EQ 0, go to END9. Else go to END8.

END8.	Interviewer: Do you want to proceed to the local survey?	
LOCSURV	Proceed to local survey	
	No	0
	Yes	1

FlowCheck_END9_1. If END8 EQ 1, open local interview control file. Else, go to END9.

END9.	Do you want to end this survey?	
ENDSURV	End survey	
	No	0
	Yes	1

FlowCheck_END9_2. If END9 EQ 0, go back to END6. Else, end interview.
--

A model Recruiter Training Script is outlined below.

Whom to Recruit

We're going to give you *[insert #]* coupons to give to other young men between 13 and 18 years of age whom you know identify as gay or bisexual, or are attracted to or have sex with other men so that they can be in the study too. You should only give the coupons to people who live in *[insert project area]* and you have seen in the past 30 days. Since people can be in the study only once, don't give the coupons to anyone who has already participated. Most importantly, you should NOT give the coupons to strangers. The young men you recruit will have to bring in their coupons and answer questions to determine if they are selected for the study.

Coupons

To be in the study, everyone has to have a coupon. Be sure to tell the young men you give a coupon to that they need to have the coupon with them when they come in or when they call to make an appointment. The first thing we'll do is check to see if their coupon is valid.

Your coupons cannot be replaced if they are lost or stolen or if the person you recruited is not selected for the study. A coupon cannot be used more than once. Each coupon has a date when it expires, and after that date, it can't be used anymore. So, you should tell people you give the coupon to that they need to come in or call to make an appointment before the expiration date written on the coupon.

Process

Be sure to tell the young men you recruit to come in or make an appointment at a time when they are able to complete the whole survey process, which takes about 1 hour. People you give coupons to who complete the interview will be given \$25. They will get an additional \$25 for taking an HIV test. We won't do an interview with anyone who is under the influence of drugs or alcohol; people who are not capable of completing the interview will not be allowed to participate in the study.

Reward

You will get \$10 for each person you recruit who is selected for the study and who completes the interview. But, it's not guaranteed that you will get the \$10 just for recruiting someone:

- You will not get a reward for someone who is not selected for the study.
- You will not get a reward for recruiting someone who has already participated in the study.
- You will not get a reward for someone who does not complete an interview.

Not everyone in this study gets the opportunity to recruit others, and not everyone gets the same number of coupons. Who gets to recruit other people for the study and how many coupons they get is determined by the computer. When you give the coupon to someone else and they become part of the study, they might get a different number of coupons than you did. The study is time-limited, so eventually there will be no more coupons given out and no more interviews conducted.

Recruiter Information

In order for us to be sure that we give the reward for recruiting others to the right person, we're going to ask you a few questions and enter the information into the computer to create an identification number that is unique to you. When you come in to get your reward, we'll ask you those same questions again to create the number and check it in the computer. The coupons we give you are linked to you so we'll know which ones to you can get a reward for.

You can call our office to see if the people you gave coupons to were selected for the study and completed an interview, so that you can come in to get your reward. We can't tell you who came in or not, but we can tell you whether you can get a reward. We will only give the reward to you, so do not send someone else in to get it.

Wrap-up

Do you have any questions?

Thanks for helping us, and remember, give the coupons to young men who are between 13 and 18 years old whom you know identify as gay or bisexual or are attracted to or have sex with other men.

Appendix L

Intercept Form and Instructions

Intercept Form										
Venue Code: _____		Event Number: _____				Date: ____ / ____ / ____				
Venue Name: _____						Recruiter: _____				
#	Age	Previously Participated				Post-event Appointment		Agreed to Screening		Comments
1		Y	N	D	R	Y	N	Y	N	
2		Y	N	D	R	Y	N	Y	N	
3		Y	N	D	R	Y	N	Y	N	
4		Y	N	D	R	Y	N	Y	N	
5		Y	N	D	R	Y	N	Y	N	
6		Y	N	D	R	Y	N	Y	N	
7		Y	N	D	R	Y	N	Y	N	
8		Y	N	D	R	Y	N	Y	N	
9		Y	N	D	R	Y	N	Y	N	
10		Y	N	D	R	Y	N	Y	N	
11		Y	N	D	R	Y	N	Y	N	
12		Y	N	D	R	Y	N	Y	N	
13		Y	N	D	R	Y	N	Y	N	
14		Y	N	D	R	Y	N	Y	N	
15		Y	N	D	R	Y	N	Y	N	
16		Y	N	D	R	Y	N	Y	N	
17		Y	N	D	R	Y	N	Y	N	
18		Y	N	D	R	Y	N	Y	N	
19		Y	N	D	R	Y	N	Y	N	
20		Y	N	D	R	Y	N	Y	N	
										← Sub-totals
Page (circle one): 1 2 3 4 5 of ____										

Overview

Recruiters should record all information collected during an intercept on the Intercept Form. Project sites may customize the Intercept Form to meet their own needs, but if they do, they must include all the data elements collected on the model form provided by CDC. Instructions for completing the Intercept Form are outlined below.

Recruitment Event Information

Information needed to identify the recruitment event is collected at the top of the Intercept Form. To help keep track of forms, recruiters should enter the required information on all forms used during the recruitment event, not just on the first form.

Description of the recruitment event information

Venue Code: The 4-digit venue identification code assigned to the venue where the recruitment event is being conducted.

Venue Name: The name of the venue where the recruitment event is being conducted.

Event Number: The consecutive number assigned to the recruitment event. Each recruitment event must have its own unique number.

Date: The date of the recruitment event in a month/day/year format. If an event runs over two days (e.g., starts at 10:00 PM one day and ends at 2:00 AM the next), project sites should record the date the event began.

Recruiter: The recruiter's name or, if a project site prefers, the recruiter's identification code. Each recruiter working at a recruitment event must have their own Intercept Form(s).

Recruitment Data

Each numbered line on the Intercept Form represents recruitment data on a different venue attendee approached to participate in NHBS-YMSM. To ensure that recruitment data are accurate, recruiters must make an entry on the Intercept Form for every venue attendee they attempt to intercept, even if the attendee ignores them and does not stop.

Description of the recruitment data

(Number): A running count of the venue attendees approached to participate in NHBS-YMSM. The first attendee approached by the recruiter is number 1, the second attendee approached is number 2, and so on. The recruiter should consecutively circle the numbers on the form when they approach venue attendees for recruitment.

Didn't Stop: If a recruiter attempts to intercept a venue attendee and the attendee ignores them or does not stop, the recruiter should check “Didn't Stop.” The recruiter should also check “Didn't Stop” if the attendee stops, but refuses to answer both recruiter questions (“Previously Participated” and “Previously Asked” below). When a recruiter checks “Didn't Stop” for a venue attendee, they do not need to record any other recruitment data on the attendee. Nevertheless, if the venue attendee provides a reason why he is not interested in participating in the survey, the recruiter should note this in the “comments” field.

Age: After a recruiter intercepts a venue attendee and greets him, they should ask their age.

Previously Participated: After a recruiter asks a venue attendee's age, they should ask:

During 2015, did you complete at least part of the health survey that (project name or sponsoring agency's name) is conducting? It could have been here or at another location.

Based on the venue attendee's response, the recruiter should circle either the “Y” (yes), “N” (no), or “U” (unsure) in the “Previously Participated” field:

Venue Attendee's Response	Letter to Circle
Indicates that he completed at least part of the survey during the current project cycle. (This includes young men who were found to be ineligible or stopped the survey prematurely.)	Y
Indicates that he did not complete any of the survey during the current project cycle.	N
Indicates that he is unsure whether he completed any of the survey during the current project cycle.	U
Does not answer or refuses to answer.	None

If the attendee already completed at least part of the survey (“Y” [yes] response), the recruiter should thank him for helping with the project and the recruiter should end the intercept. For all other attendees, the recruiter should continue the intercept.

Previously Asked: If the venue attendee does not indicate that he completed at least part of the survey, the recruiter should ask the second recruiter question:

During 2015, did anyone approach you like I did and ask you to participate in the health survey that (project name or sponsoring agency's name) is conducting? It could have been here or at another location.

Based on the venue attendee's response, the recruiter should circle either the "Y" (yes), "N" (no), or "U" (unsure) in the "Previously Asked" field:

Venue Attendee's Response	Letter to Circle
Indicates that he was previously asked to participate in the survey during the current project cycle.	Y
Indicates that he was not previously asked to participate in the survey during the current project cycle.	N
Indicates that he is unsure whether he was previously asked to participate in the survey during the current project cycle.	U
Does not answer or refuses to answer.	None

Accepted Intercept: The recruiter must record a response in the "Accepted Intercept" field for all venue attendees they approach, including those who did not stop to answer the two recruiter questions. Based on the entries in the "Didn't Stop," "Previously Participated," and "Previously Asked" fields, the recruiter should circle either the "Y" (yes) or "N" (no) in the "Accepted Intercept" field.

The recruiter should circle the "Y" if:

- the "Y" is circled for "Previously Participated"

OR

- the "N" or "U" is circled for "Previously Participated" **and** the "Y," "N," or "U" is circled for "Previously Asked."

The recruiter should circle the "N" if:

- "Didn't Stop" is checked

OR

- the venue attendee refused to answer **either** of the recruiter questions.

Agreed to Screening: As described in Chapter 5, venue attendees who have not previously participated in NHBS-YMSM should be invited to participate in the survey. If the attendee agrees to be screened for NHBS-YMSM eligibility, the recruiter should circle the “Y” (yes) in the “Agreed to Screening” field, and if the attendee does not agree to be screened, the recruiter should circle the “N” (no).

Comments: The recruiter can use the “Comments” field to record any additional information provided by the venue attendees they approach, such as reasons for refusing to accept the intercept or for declining to participate in the survey. Project sites can use this information to identify any potential barriers to recruitment or participation.

Page Numbers

To help keep track of the Intercept Forms, the recruiter should number the forms they have used during a recruitment event. The bottom of the form has a field for the recruiter to circle the page number and indicate the total number of forms they used.

Data Summation

At the end of a recruitment event, the Field Supervisor should collect all the Intercept Forms used during the event. They should then tabulate the number of venue attendees approached and the number of “Y” (yes) responses recorded in each column on the form. The columns that need to be tabulated on the Intercept Form have been shaded and the bottom of the form has a line to record the column sub-totals. The Field Supervisor should calculate the column sub-totals on each form, and then add them together to calculate totals for the recruitment event. Event-level data should be submitted to the CDC and DCC.

Tabulating column sub-totals

Number of Venue Attendees Approached: The highest number circled in the “#” (number) field. For example, if numbers 1 through 12 were circled, the number of venue attendees approached would be 12.

Number of Venue Attendees Who Previously Participated: The number of “Y” (yes) responses circled in the “Previously Participated” field.

Number of Venue Attendees Who Were Previously Asked to Participate: The number of “Y” (yes) responses circled in the “Previously Asked” field.

Number of Venue Attendees Who Accepted the Intercept: The number of “Y” (yes) responses circled in the “Accepted Intercept” field.

Number of Venue Attendees Who Agreed to Screening: The number of “Y” (yes) responses circled in the “Agreed to Screening” field.

#1: How to set parameters on who sees the ad

Edit Your Ad

You are currently advertising **Young Mens Health Study** to get Page likes.
If you want to advertise something else or change your goal, create a similar ad.

[Create a Similar Ad](#)

Your Ad

Headline: [?] 0 characters left
Young Men's Health Survey

Text: [?] 39 characters left
Complete a university research survey! Receive \$50!

Landing View: [?]
Timeline

Image: [?] 100 px x 72 px
Browse...
or Choose From Image Library

Right Column Preview

Young Men's Health Survey
Complete a university research survey! Receive \$50!

[Like](#)

Choose Your Audience [Learn More About Targeting](#)

Location: [?] United States

☐ Country
☐ State/Province
☒ City
☐ Zip Code

Chicago, IL

☐ Include cities within 10 miles

Age: [?] 13 - 17 ☐ Require exact age match [?]

Gender: [?]
☒ Men
☐ Women

Audience

3,760 people

- who live in the United States
- who live in Chicago, IL
- 17 years old and younger
- who are male
- who are interested in men
- who are not already connected to Young mens health study

facebook

Choose Your Audience [Learn More About Targeting](#)

Location: [?]

- ☐ Country
- ☐ State/Province
- ☒ City
- ☐ Zip Code

☐ Include cities within miles

Age: [?] - ☐ Require exact age match [?]

Gender: [?]

- ☐ All
- ☒ Men
- ☐ Women

Precise Interests: [?]

Broad Categories: [?]

- Activities
 - ☐ Console Gamers
 - ☐ Cooking
 - ☐ Dancing
 - ☐ DIY/Crafts
 - ☐ Event Planning
 - ☐ Fast Food Diners/QSR
 - ☐ Food & Dining
 - ☐ Frequent Casual Diner
 - ☐ Gaming (Social/Online)
- Business/Technology
- Ethnic
- Events
- Family Status
- Interests
- Mobile Users (All)
- Mobile Users (Android)

Connections: [?]

- ☐ Anyone
- ☐ Only people connected to Young mens health study
- ☒ Only people not connected to Young mens health study
- ☐ Advanced connection targeting

Friends of Connections: [?]

Interested In: [?]

- ☐ All
- ☒ Men
- ☐ Women

Relationship Status: [?]

- ☒ All
- ☒ Single
- ☒ In a Relationship
- ☐ Married

Audience

3,760 people

- who live in the United States
- who live in Chicago, IL
- 17 years old and younger
- who are male
- who are interested in men
- who are not already connected to Young mens health study

Click on the ad

The screenshot displays the Facebook Ads Manager interface. At the top, there's a navigation bar with links like Billing, Conversion Tracking, Power Editor, Help, and Learn More. The main section shows campaign performance metrics: Page Likes (0), Campaign Reach (0), Frequency (0.0), and Total Spent (\$0.00). Below this is a graph titled 'Page Likes' showing data from 03/29 to 04/02. A table lists ads, with one selected: 'Young mens health study - Likes - Ad'. An 'Ad Preview' pop-up is shown, detailing the ad's targeting criteria (e.g., who live in the United States, who are male) and its creative elements (image of two men, text about a health survey). The bottom of the page includes footer information like 'About', 'Create an Ad', and 'Facebook © 2013 · English (US)'.

Facebook Ads Manager Interface:

- Scheduled:** \$10.00 Daily, Apr 4, 2013 11:55am – Apr 5, 2013 11:55am, 3,740 people
- Summary Metrics:**
 - Page Likes[?]: 0
 - Campaign Reach[?]: 0
 - Frequency[?]: 0.0
 - Total Spent[?]: \$0.00
- Graph:** Page Likes (Line chart showing 0 likes over time)
- Table:**

Name	Status [?]	Page Likes [?]	Ad Reach [?]	Freq. [?]	Clicks [?]	Click-Through Rate [?]	Avg. Price [?]
Young mens health study - Likes - Ad	[Clock icon]	0	0	0.0	0	0.000%	\$0.00 <small>Optimized CPM</small>
- Ad Preview Details:**
 - Title:** Young Men's Health Survey
 - Description:** Complete a university research survey! Receive \$50!
 - Image:** [Two young men looking at each other]
 - Action:** Like
 - Targeting:** This ad targets 3,760 people:
 - who live in the United States
 - who live in Chicago, IL
 - 17 years old and younger
 - who are male
 - who are interested in men
 - who are not already connected to Young mens health study
- Footer:** About Create an Ad Create a Page Developers Careers Privacy Cookies Terms Help

These are sample images that could be used in the Facebook ad.

#3 Sample Images



What is [Local project brand name for NHBS-YMSM by site]?

(Local project name) is a study designed by the [Local Health Department or Subcontracting Entity NOT CDC]. We want to learn more about the health of young men so we can design better health programs.

What topics are covered in [name of project]?

[Local project name] will ask questions about your health (including mental health and sexual health), family and community connections, and access to health care services.

How much time does it take to complete the [name of project] survey?

It will take you approximately 40 minutes to complete the [name of project] survey. You will also be offered a free, anonymous HIV test as a part of the survey. If you decide you want to take the HIV test, it will take an additional 20 minutes.

What will happen as a part of this study?

If you are eligible and decide to participate in this study, one of our staff members will contact you to schedule an appointment for you to come to one of our field site locations in [Project city]. A trained interviewer will administer the survey using a mobile tablet. Your answers will be stored anonymously. After completing the interview a blood sample will be collected to conduct an HIV test.

Is there a payment for taking part in this study?

You will be paid \$25 for the time you spend completing the survey. You will be paid an additional a \$25 if you decide you would like to take the HIV test.

How will my privacy be protected?

Your email address and other contact information will always be kept separately from your answers to the survey. Your answers to the survey questions will be kept on a password protected encrypted computer file stored on a password protected server. Only staff members at [Local agency], who need this information to contact you to schedule your appointment, will have access to it. To protect your privacy we will only contact you using information you have approved. We won't share your personal information, like your name, email or phone number with anyone else. We respect your privacy and we won't use your email or phone number other than to contact you to let you know more about the study.

If you are interested in participating in [Name of Study] and would like to find out if you are eligible, please fill out the registration information below and one of our staff members will contact you to provide you with more information about the study. You can also contact us at xxxx@yyy.com or 555-555-5555.

Name: _____

Email address: _____

Phone number: _____

Is it okay for us to leave a message at this number?

☐ **Yes**

☐ **No**

Can you receive text messages?

☐ **Yes**

☐ **No**

What is your preferred method of contact?

☐ **Email**

☐ **Phone**

☐ **Text Message**

Section 1: For Type 1 and Type 2 Enumerations

Venue: _____

Counter: _____

Enumeration Type: 1 2

Date: ____ / ____ / ____

Start Time: ____ : ____ AM PM

End Time: ____ : ____ AM PM

Elapsed Time: _____ minutes

Count: _____

Standardized Count: _____

Section 2: For Type 2 Enumerations

Number Interviewed: _____

Number Eligible: _____

Eligible Percent: _____

Eligible Count: _____

Calculations

1. Elapsed Time in Hours= Elapsed Time in Minutes / 60
2. Standardized Count= (4 X Count) / Elapsed Time in Hours
3. Eligible Percent= Number Eligible / Number Interviewed
4. Eligible Count= Standardized Count X Eligible Percent

Appendix O-2

Count Form for Type 1 and 2 Enumerations: Instructions

Overview

The Count Form for Type 1 and 2 Enumerations (Appendix O-1) may be used as is or modified to meet local needs. Count forms should be completed by the counter during Type 1 and Type 2 enumerations. The following instructions apply to each of the variables (noted in capital letters) included on the form.

Section 1: For Type 1 and Type 2 Enumerations

During all enumerations (Type 1 or 2), section 1 should be completed.

Venue. Name of the venue where the enumeration is being conducted.

Counter. Name of the staff member responsible for counting men who appear to be 13-18 years of age who enter the counting area.

Enumeration Type: Record whether Type 1 or Type 2 enumeration is being conducted.

Date. DATE is the date the enumeration was conducted in month/day/year format.

Time. START TIME is the time when counting begins and END TIME is the time when counting ends. Time is written in hours/minutes and a.m. or p.m. is circled. ELAPSED TIME is the difference in minutes between START TIME and END TIME. Note: ELAPSED TIME should be between 30 and 60 minutes, the recommended duration of an enumeration period.

Count. COUNT is the total number of men who appear to be 13-18 years of age who are "clicked" by the counter from the start of the enumeration period (START TIME) to the end (END TIME).

Standardized Count. The product of the number of persons counted and 4, divided by the time in hours.

Section 2: For Type 2 Enumerations

Data from brief eligibility interviews conducted with participants during Type 2 enumerations are recorded in this section. Information from the Interview Form for Type 2 Enumerations (Appendix P2) can be used to complete this section.

Number Interviewed. Total number of men who completed brief eligibility interviews during Type 2 enumerations.

Number Eligible. Number of men determined to be eligible following brief eligibility interviews.

Eligible Percent. Number of eligible men divided by the number of men interviewed.

Eligible Count. Standardized count multiplied by the eligible percent.

Appendix P-1

Interview Form for Type 2 Enumerations

Venue: _____

Interviewer: _____

Date: ____ / ____ / ____

#	Accepted Intercept	Gender	Age	Race/Ethnicity	MSA Resident	Sex in Past Year	Type of Sex Partners	Eligible
1	Y N	M F U		W B H A N U	Y N U	Y N U	M W B U	Y N U
2	Y N	M F U		W B H A N U	Y N U	Y N U	M W B U	Y N U
3	Y N	M F U		W B H A N U	Y N U	Y N U	M W B U	Y N U
4	Y N	M F U		W B H A N U	Y N U	Y N U	M W B U	Y N U
5	Y N	M F U		W B H A N U	Y N U	Y N U	M W B U	Y N U
6	Y N	M F U		W B H A N U	Y N U	Y N U	M W B U	Y N U
7	Y N	M F U		W B H A N U	Y N U	Y N U	M W B U	Y N U
8	Y N	M F U		W B H A N U	Y N U	Y N U	M W B U	Y N U
9	Y N	M F U		W B H A N U	Y N U	Y N U	M W B U	Y N U
10	Y N	M F U		W B H A N U	Y N U	Y N U	M W B U	Y N U

Page (circle one): 1 2 3 4 5

Appendix P-2 Interview Form for Type 2 Enumerations: Instructions

Overview

The model Interview Form for Type 2 Enumerations (Appendix P1) may be used as is or modified to meet local needs. Modified forms should collect all the data elements included on the model form. Interview forms should be completed during brief eligibility interviews. The following instructions apply to each of the variables (noted in capital letters) included on the form. Listed below the respective variables are the questions staff should ask participants during the brief eligibility interview. ***Note: not all variables have a corresponding question.***

Enumeration Variables

Data that characterize the Type 2 enumeration, such as the venue, the counter, dates, times of the enumeration, count and standardized count, should be collected on the Count Form for Type 1 and 2 Enumerations (Appendix O1). The interviewer conducting the brief eligibility interview should complete the following fields on the interview form:

Venue. Name of the venue where the Type 2 enumeration is being conducted.

Interviewer. Name of the staff member who intercepts men who have been counted.

Date. DATE is the date the Type 2 enumeration was conducted.

Page #. PAGE is used to identify individual records when multiple forms are used during an enumeration event. Code PAGE sequentially beginning with “1” for the first form used, “2” for the second form used, and so forth for all forms that are used during the event.

Participant Records

Data on participants should be recorded in the table below the enumeration variables. Each row of the table represents a record of an attempted intercept and, if the intercept is successful, a brief eligibility interview. Each record has 9 variables that head the columns of the table. Six of these variables are asked of participants. Instructions for completing all 9 variables are listed below.

Accepted Intercept. ACCEPTED INTERCEPT is coded by the interviewer based on whether sufficient information is obtained to determine NHBS-MSM3 eligibility. Code ACCEPTED INTERCEPT as “Y” (yes) for venue attendees who stop and answer at least AGE, RESIDENCE, and TYPE OF SEX PARTNERS. Code ACCEPTED INTERCEPT as “N” (no) for venue attendees

who do not stop, refuse the brief interview outright, or do not answer all three questions listed above. If a venue attendee does not stop or refuses to answer any of the questions, the remaining variables should be coded as “U” (unknown) or in the case of AGE, “99”.

Age. Ask venue attendee their current age and record their responses in the space provided. Code AGE as “99” for attendees who refuse to provide their age, or if the question was accidentally skipped.

Question: *What is your age?*

Race/Ethnicity. Ask venue attendees their race/ethnicity. Circle **one or more** of the codes: A = Asian/Native Hawaiian/Pacific Islander; B = Black; H = Hispanic or Latino; N = American Indian/Alaskan Native; W = White. Circle U (unknown) if an attendee refuses to answer the question or if it was accidentally skipped.

Question: *What is your race or ethnicity?*

MSA Resident. Ask whether attendees currently live in the local area. Circle “Y” if the attendee lives in the MSA and “N” if they don’t. Circle “U” if an attendee refuses to answer this question or if the question was accidentally skipped.

Question: *Do you live in the (project city) area?*

Sex in the past year. Ask venue attendees whether they have had sex in the past 12 months. Circle “Y” if they have and “N” if they haven’t. Circle “U” if an attendee refuses to answer the question or if the question was accidentally skipped. If an attendee responds no to this question, end the interview and code ELIGIBLE “N” (no). If the response is “unknown,” end the interview and code both SEX PARTNERS and ELIGIBLE as “U” (unknown).

Question: *Have you had sex in the past 12 months?*

Type of sex partners. For only those venue attendees who have had sex, ask whether they have had sex with men, women, or both in the past 12 months. Circle only one response. Circle “M” if they only had sex with men, “W” if they only had sex with women, and “B” if they had sex with both men and women. Circle “U” if a venue attendee refuses to answer this question or if the question was accidentally skipped.

Question: *In the past 12 months, have you had sex with men only, with women only, or with both men and women?*

Eligible. ELIGIBLE is coded by the interviewer based on an attendee’s responses to AGE, MSA RESIDENT, and TYPE OF SEX PARTNERS. Circle "Y" for men 13-18 years of age who are residents of the MSA and report having sex with another man in the past 12 months. Circle "N" for attendees who do not meet these criteria. Circle “U” if data were not obtained on AGE, MSA RESIDENT, or TYPE OF SEX PARTNERS.

Appendix Q

Facebook Data Tracking Form

Date tracking form was completed: _____

Date banner advertisement was set up on Facebook: _____

# in Facebook universe	
# of ad impressions	
# of ad clicks	
Click-through rate: (#ad clicks/ # of ad impressions)	
# of landing page hits	
# of landing page screener completions	
# of participant calls to site staff	
# of calls to participants	
# of texts to participants	
# of emails to participants	
# of completed telephone screeners	
# of participants deemed eligible (phone)	
# of participants deemed ineligible (phone)	
# of completed in-person screeners	
# of participants assented	
# of participants completed behavioral assessment	

Instructions

Overview

The Facebook data tracking form may be modified to meet local needs. Modified forms should collect all the data elements included on the model form. Facebook data tracking forms should be completed at the end of the month. The data included in this form will be cumulative starting with the date the banner advertisement was placed on Facebook. The following instructions apply to each of the rows included on the form.

Date tracking form was completed: The date the tracking form was completed.

Date banner advertisement was set up on Facebook: The date banner advertisement was set up on Facebook. This date should be the same over the course of data collection.

in Facebook universe: At the time this form is completed, the number of men aged 13 to 18 who indicate on their profile that they are interested in other men and live in the MSA.

of ad impressions: Obtained from the Facebook Banner ad page, the number under the column *Ad Reach*

of ad clicks: Obtained from the Facebook Banner ad page, the number under the column labeled *Clicks*

Click-through rate: The #ad clicks/ # of ad impressions; this rate is available on the Facebook Banner ad page under the column labeled *Click-Through Rate*

of landing page hits: The number of persons taken to the landing page. The landing page will be designed to count the number of visitors to the landing page.

of landing page screener completions: The number of persons providing their contact information on the landing page.

of participant calls to site staff: The number of calls made by participants to site staff. This information will be tracked locally.

of calls to participants: The number of calls site staff make to participants. This information will be tracked locally.

of texts to participants: The number of texts site staff make to participants. This information will be tracked locally.

of emails to participants: The number of emails site staff make to participants. This information will be tracked locally.

of completed telephone screeners: The number of telephone screeners completed. This information will be tracked locally.

of participants deemed eligible (phone): The number of participants deemed eligible during the telephone screener

of participants deemed ineligible (phone): The number of participants deemed ineligible during the telephone screener

of completed in-person screeners: The number of participants deemed eligible using the electronic version of the screener. This number can be obtained by summing the number of records in the electronic database where eligibility was either yes or no. (i.e., EL_YMSM is 0 or 1).

of participants consented: The number of participants who assented to the behavioral assessment. Assent to the behavioral assessment is documented electronically. This number can be obtained by summing the number of records in the electronic database where assent to the behavioral assessment is indicated (i.e., CONSENTA is 1).

of participants completed the behavioral assessment: The number of participants who completed the behavioral assessment. This is tracked in the electronically. This number can be obtained by summing the number of records in the electronic database where completion of the interview is indicated (i.e., COMPLETE is 1).

Appendix R

Model Confidentiality Agreement

I, (print name) _____, have read and had an opportunity to ask questions about [Pertinent State or Local Privacy Law] and the current version of the [insert Health Department Name] *Confidentiality Guidelines*. I understand and will comply with the requirements therein. I understand that failure to adhere to these requirements could result in administrative or legal action.

I agree ...

- Not to communicate personally identifiable information (PII) to others except as necessary to conduct DPH-authorized work on NHBS-YMSM (including any information maintained by DPH that can be used to distinguish an individual such as name, mother's maiden name, street address, date/place of birth, social security number, medical record number; and, other information that is linkable to an individual, such as medical, educational, financial, and employment information);
- To protect encryption keys, passwords, and other security access codes from release to unauthorized persons and protect computers, servers, laptops, mobile devices, and storage media for which I am responsible from unauthorized access, loss, or theft;
- Not to enable others to gain access to PII who are not authorized by the [Principle Investigator/Project Coordinator];
- Not to remove PII from my worksite except when authorized by the [Principle Investigator/Project Coordinator];
- To report to the [Principle Investigator/Project Coordinator] breaches or suspected breaches of confidentiality protocol or loss of PII.

Signed

Employee or contractor: _____ Date: _____

Section/Program: _____

[Principal Investigator/Project Coordinator]: _____ Date: _____

Appendix S Recruitment Debriefing Instrument (RDS only)

RQ1. How many of the coupons did you give out?

[Refused= 7, Don't Know= 9] ____

RQ2. Has anyone refused the coupons?

No.....

☐ 0

Yes.....

☐ 1

RQ3. What is the race or ethnic background of those who refused coupons? That is...

a. How many were American Indian or Alaska Native? ____

b. How many were Asian? ____

c. How many were Black or African American? ____

d. How many were Hispanic or Latino? ____

e. How many were Native Hawaiian or Pacific Islander? ____

f. How many were white? ____

RQ4. What is the age of those who refused coupons? That is, how many were 13, 14, 15, 16, 17, or 18?

a. 13 ____

- b. 14 —
- c. 15 —
- d. 16 —
- e. 17 —
- f. 18 —

RQ5. Which of the following are reasons that people who refused gave you about why they did not take a coupon? **[Read each one. Check all that apply.]**

- They didn't have time..... ☐ 1
- They didn't live in the area..... ☐ 2
- They didn't trust you (recruiter)..... ☐ 3
- They don't like research/surveys..... ☐ 4
- They already participated in this survey..... ☐ 5
- They didn't want to be identified as gay or bisexual... ☐ 6
- They weren't eligible..... ☐ 7
- Some other reason (**specify:** _____)..... ☐ 8
- Refused..... ☐ 77
- Don't know..... ☐ 99

Appendix T

Cost Evaluation Form

Period Covered: ___/___/___ to ___/___/___ (Form should be completed month)

Recruitment Method: ☐ RDS ☐ VBS ☐ FB

- ☐ Preliminary Research Activities
- ☐ Implementation Activities
- ☐ Post-Implementation Activities

Today's Date ___/___/___

Name: _____

A. PERSONNEL

	Hourly Wage Rate (include salary and fringe) ^a	Hours	Total Cost (HWR x H)
Principle Investigator			
Project Coordinator			
Field Supervisor			
Interviewer			
Interviewer			
Interviewer			
Coupon Manager (RDS only)			
Data Manager			
Phlebotomist			
Other: _____			
Other: _____			
Subtotal:			

^a Indicate how the hourly wage rate is calculated

B. OFFICE SUPPLIES AND MATERIALS^a

	Total Cost (\$)
General office supplies (e.g., paper, copier supplies, printer supplies, other office supplies such as staples, pens, pencils)	
Prevention supplies (e.g., condoms, lubricant)	
Other: _____	
Other: _____	
Subtotal:	

^a Only document when office supplies and materials are actually purchased (rather than used)

C. TRAVEL

	Total Cost (\$)
In-State Travel	
Mileage	
Other: _____	
Other: _____	
Out-Of-State Travel	
Airfare	
Lodging	
Per diem	
Transportation	
Other: _____	
Other: _____	
Subtotal:	

D. DURABLE MATERIAL/EQUIPMENT COST

	Total Cost (\$)
Computer/Tablet	
Software	
SAS	
QDS	
Furniture	
Cell phone	
Other: _____	
Other: _____	

Subtotal:	

E. FACILITY SPACE AND UTILITIES

	Total Cost (\$)
Office rental	
Office utilities (e.g, electric, gas, water)	
Telephone line	
Cell phone plan	
Internet	
Other: _____	
Other: _____	
Subtotal:	

F. HIV TESTING

	Quantity	Unit Cost (\$)	Total Cost (\$)
Rapid tests			
Laboratory tests			
Biohazard disposal			
HIV testing materials (e.g., test tubes, safety/biohazard equipment, gloves, wipes)			
Other: _____			
Other: _____			
Subtotal:			

G. OTHER

	Total Cost (\$)
Incentives	
Focus groups	
Study interview	
HIV test	
Recruitment (RDS only)	
Public transportation	

Vehicle expenses	
Liability insurance	
Parking	
Gasoline and oil	
Registration	
Maintenance/Service/Emissions	
Computer support	
Training	
Other: _____	
Other: _____	
Subtotal:	

Log for Rapid HIV Testing:

Survey ID	Lab ID	Rapid Test Method*	Self-reported HIV+ during interview? (Y/N)	Rapid Test Result*	Returned Rapid Test Result (Y/N)	For preliminary HIV+: Collected Confirmatory Specimen (Y/N)	For preliminary HIV+: Type of Confirmatory Specimen	For preliminary HIV+ if did not self-report HIV+ during interview: Self-reported HIV+ during counseling session? (Y/N)	Comments**

* Project sites performing a multiple rapid test algorithm should modify the log accordingly.

** If unable to collect a confirmatory specimen, provide reason in comments section.

Log for Laboratory-based HIV Testing:

Survey ID	Lab ID	Collected Lab Specimen (Y/N)	Specimen Type	Self-reported HIV+ during interview? (Y/N)	<i>If did not self-report HIV+ during interview:</i> Self-reported HIV+ during counseling session? (Y/N)	Test Type*	Test Result*	Final Test Result Returned (Y/N)	Comments**

*The log will contain a column for each type of test (EIA, Western Blot, NAAT, etc) performed

** If unable to collect a confirmatory specimen, provide reason in comments section.

ASSURANCE OF CONFIDENTIALITY FOR SURVEILLANCE OF ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS) AND INFECTION WITH HUMAN IMMUNODEFICIENCY VIRUS (HIV) AND SURVEILLANCE-RELATED DATA (INCLUDING SURVEILLANCE INFORMATION, CASE INVESTIGATIONS AND SUPPLEMENTAL SURVEILLANCE PROJECTS, RESEARCH ACTIVITIES, AND EVALUATIONS)

The national surveillance program for HIV/AIDS is being coordinated by the Surveillance Branch of the Division of HIV/AIDS Prevention - Surveillance and Epidemiology (DHAP - SE), the National Center for HIV/STD/TB Prevention, a component of the Centers for Disease Control and Prevention (CDC), an agency of the United States Department of Health and Human Services. The surveillance information requested by CDC consists of reports of persons with suspected or confirmed AIDS or HIV infection, including children born to mothers infected with HIV, and reports of persons enrolled in studies designed to evaluate the surveillance program. The information collected by CDC is abstracted from laboratory, clinical, and other medical or public health records of suspected or confirmed HIV/AIDS cases; and from surveys that interview persons in recognized HIV risk groups or known to have a diagnosis of HIV/AIDS.

Surveillance data collection is conducted by State and Territorial health departments which forward information to CDC after deleting patient and physician names and other identifying or locating information. Records maintained by CDC are identified by computer-generated codes, patient date of birth, and a state/city assigned patient identification number. The data are used for statistical summaries and research by CDC scientists and cooperating state and local health officials to understand and control the spread of HIV/AIDS. In rare instances, expert CDC staff, at the invitation of state or local health departments, may participate in research or case investigations of unusual transmission circumstances or cases of potential threat to the public health. In these instances, CDC staff may collect and maintain information that could directly identify individuals.

Information collected by CDC under Section 306 of the Public Health Service Act (42 U.S.C. 242k) as part of the HIV/AIDS surveillance system that would permit direct or indirect identification of any individual or institution on whom a record is maintained, and any identifiable information collected during the course of an investigation on either persons supplying the information or persons described in it, is collected with a guarantee that it will be held in confidence, will be used only for the purposes stated in this Assurance, and will not

otherwise be disclosed or released without the consent of the individual or institution in accordance with Section 308 (d) of the Public Health Service Act (42 U.S.C. 242m(d)). This protection lasts forever, even after death. Information that could be used to identify any individual or institution on whom a record is maintained by CDC will be kept confidential. Full names, addresses, social security numbers, and telephone numbers will not be reported to this national HIV/AIDS surveillance system. Medical, personal, and lifestyle information about the individual, and a computer-generated patient code will be collected.

Surveillance information reported to CDC will be used without identifiers primarily for statistical and analytic summaries and for evaluations of the surveillance program in which no individual or institution on whom a record is maintained can be identified, and secondarily, for special research investigations of the characteristics of populations suspected or confirmed to be at increased risk for infection with HIV and of the natural history and epidemiology of HIV/AIDS. When necessary for confirming surveillance information or in the interest of public health and disease prevention, CDC may confirm information contained in case reports or may notify other medical personnel or health officials of such information; in each instance, only the minimum information necessary will be disclosed.

No CDC HIV/AIDS surveillance or research information that could be used to identify any individual or institution on whom a record is maintained, either directly or indirectly, will be made available to anyone for non-public health purposes. In particular, such information will not be disclosed to the public; to family members; to parties involved in civil, criminal, or administrative litigation, or for commercial purposes; to agencies of the federal, state, or local government. Data will only be released to the public, to other components of CDC, or to agencies of the federal, state, or local government for public health purposes in accordance with the policies for data release established by the Council of State and Territorial Epidemiologists.

Information in this surveillance system will be kept confidential. Only authorized employees of DHAP - SE in the Surveillance Branch and Statistics and Data Management Branch, their contractors, guest researchers, fellows, visiting scientists, research interns and graduate students who participate in activities jointly approved by CDC and the sponsoring academic institution, and the like, will have access to the information. Authorized individuals are required to handle the information in accordance with procedures outlined in the Confidentiality Security Statement for Surveillance of Acquired Immunodeficiency Syndrome (AIDS) and Infection with Human Immunodeficiency Virus (HIV) and Surveillance-Related Data (Including Surveillance Information, Case Investigations and Supplemental Surveillance Projects, Research Activities, and Evaluations.

English Version; Grade Reading Level by Flesch-Kincaid Method: 7.7

All participants will be provided a copy of the full assent/consent form.

1. This is a research study conducted by *[name of local agency/organization]* to collect information on HIV in your community. We will use this information to plan better HIV prevention and treatment programs for young men in your community.
2. Taking part in this project is your decision. Your choice will not affect your right to health care or other services. We will send information from this study to the CDC, but we will not send any information that could identify you.
3. If you agree to participate, you will do a survey with me. I'll ask you questions about your sex practices, drug use, and other health topics. You can refuse to answer any questions. You can stop the survey at any time without penalty. The survey will take about 40 minutes.
4. I'll offer you an HIV test. This will involve *[drawing a small amount of blood using a needle/swabbing your mouth for oral fluid]*. Your results will be ready within *[1 hour/1 week]*. *[Explain how participant will receive results of any non-rapid (standard or confirmatory) tests]*. *[If asking to store blood]:* If you agree, we'll store any blood left over for future studies.
5. I may give you the option to invite up to 5 people to participate in the study *(RDS only)*.
6. There are minimal risks from being in this study. Some survey questions may make you feel uncomfortable and knowing your HIV test status may be upsetting, but I am here to discuss any concerns you have.
7. You may benefit from this study by learning about HIV/AIDS and other sexually transmitted infections and how to avoid them. You will also learn your HIV status and we will connect you to local health care providers and other services you may need.
8. If you take the survey you will receive *[insert survey incentive amount]* as a token of appreciation for your time. If you take the HIV test, you will receive an additional *[insert HIV test incentive amount]*. *(RDS only)* After the survey, I may ask you to invite a small number of people you know to participate in this study. If you agree, you may receive *[insert recruitment incentive amount]* for each person you refer. *[Insert any additional incentives offered]*.
9. If you decide not to participate, there will be no penalty to you.
10. If you have any questions about this study, you can contact these people **[refer participant to contact information on full assent form]**.
11. Everything you tell us will be kept private—it will only be available to people working on this study.
12. Do you agree to take the survey?

13. Do you agree to the HIV test?
14. Do you agree to have your blood stored?

Appendix X

Assessment of Decisional Capacity

[Name of Project and Principal Investigator]

EVALUATION OF DECISIONAL CAPACITY
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Directions:

Make a subjective judgment regarding item 1 below. Ask the participant questions 2 through 5. The evaluator may select the appropriate language to use in formulating the questions in order to assist the participants' understanding.

Items:

- 1) Is the participant alert and able to communicate with the examiner? ____ Yes ____ No
- 2) Ask the participant to name at least two (2) potential risks incurred as a result of participating in the study.

- 3) Ask the participant to name at least two things that will be expected of him in terms of participant cooperation during the study.

- 4) Ask the participant to explain what he would do if he decides that they no longer wish to participate.

- 5) Ask the participant to explain what he would do if he is experiencing distress or discomfort.

I hereby certify that the above participant is alert, able to communicate and able to give acceptable answers to items 2, 3, 4 and 5 above.

Evaluator_____ **Date**_____

Witness_____ **Date**_____

For participants who request that the local NHBS-YMSM staff contact them via phone to complete the screening process, the study telephone number will show up on caller ID as a generic number. When answering the phone number for the NHBS-YMSM project, please use the following script as a guide.

“Hello, thank you for calling [Name of local NHBS-YMSM project]. How can I help you?”

If Caller indicates he heard about the study from Facebook:

“You said that you heard about our project on Facebook. Is that correct? Would you like to know if you are eligible to participate in our study?”

If caller says yes, conduct eligibility screener (Appendix H).

If participant is eligible:

“From what you have told me, you are eligible to participate in our project. I would like to schedule you for an appointment at one of our project sites. We have sites at [describe field sites available] locations. Which of our locations would be most convenient for you? [Consult staffing calendar for sites and provide available times to caller]. Ok, I have you down for [time] on [date] at [field site location]. Would you be okay with us contacting you with a reminder before your appointment? [If participant says yes] What is the best way to contact you?” [Collect contact information]

If caller is not eligible:

“From what you have told me you are not eligible to participate in our project at this time. Thank you so much for your interest in [Name of local NHBS-YMSM project]. Have a great day.”