



# ***Surveys of PLACE Patrons, PLACE Workers, and Men Who Have Sex with Men***

## **Final Report**

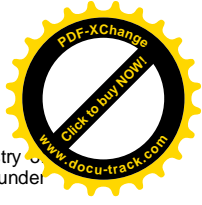
**July 29, 2012**

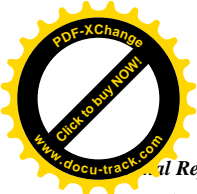
**University of the  
West Indies,  
Jamaica**

**Ministry of  
Health  
Jamaica**



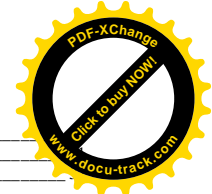
These surveys were made possible by support from the Global Fund, the Ministry of Health, Jamaica, and the U.S. Agency for International Development (USAID) under terms of Cooperative Agreement GPO-A-00-03-00003-00.





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## National Report: Overview and Main Findings

There is an urgent need in Jamaica to monitor and improve prevention, care and treatment programs to limit the spread of HIV. Many approaches are needed to contain the epidemic including targeted approaches for those most at risk.

This report describes behavioral surveillance conducted in 2010-2011 of:

- PLACE Site Staff
- PLACE Patrons
- Female Sex Workers identified among A & B above
- Men Who Have Sex with Men (MSM)

This report is divided into five parts reflecting the 5 steps of PLACE:

Part I Preparation and Protocol Development

Part II Community Informant Surveys

Part III Site and Event Surveys

Part IV PLACE Worker and Patron and MSM Surveys

Part V Data Use and Recommendations

### **Main Findings**

#### **Part I Preparation and Protocol Development**

PLACE surveys have been implemented in Jamaica since 2002, however, this was the first time that they were implemented on a national scale. Preparation and protocol development were designed so that the Ministry of Health could implement PLACE in the future without significant assistance.

#### **Part II Community Informant Surveys to Identify Risk Sites and Events**

Over 1200 sites and events where people meet new sexual partners were identified.

#### **Part III Site and Event Surveys**

All sites with sex work and a random sample of the remainder were visited. All together 485 sites and events were visited and characterized. Alcohol was consumed at 75% of sites. Ecstasy was used onsite at 9% of sites and was highest at sites with sex work. The MOH BCC team were enthusiastic about visiting sites that they did not previously know existed. The list of sites was used almost immediately by the BCC team to launch new outreach services.

Overall, about a third of the site informants reported that men come to the site to buy sex from women. This proportion was highest at street sites and clubs with dancers, but was not negligible at the randomly selected sites where 16% of the site informants reported that men come to buy sex from women. When asked directly if female sex workers solicited at the site, 35% of site informants reported that female sex workers came to the site, including 21% of randomly selected sites where sex work was not reported by a community informant. About 13% of site informants reported that gay men come to the site to meet male sex partners.

Over half of the sites reported no HIV prevention activities onsite. 40% reported some condom promotion activities. 28% reported that there had been onsite testing for HIV. 35% reported having had some outreach workers provide onsite HIV education. 27% of sites reported that condom had not been at the site anytime during the past 12 months. Only 37% of sites reported that condoms had been continuously available at the site during the past 12 months. Condoms were visible to the interviewer at only 23% of sites.

#### **Part IV PLACE Worker and Patron Surveys**

A total of 463 female workers, 263 female site and event patrons, and 278 male patrons were interviewed. Of the 729 women interviewed, 373 reported exchanging sex for money in the past 3 months. HIV prevalence ranged from 4.7% among female workers at venues to 0.5% among male venue patrons. The prevalence among female sex workers was similar to the prevalence among all women working at venues (4.7 vs 4.1). The proportion who had evidence of a current or previous syphilis infection was approximately 9% among female workers and sex workers. The most common STI was chlamydia.

Proximate determinants of the heterosexual epidemic include high numbers of sexual partners, lack of condom use and untreated STI. None of these factors was uncommon among female venue workers, female sex workers, female patrons of venues or male patrons of venues. Almost one fourth of women socializing at a venue reported having more than one partner in the past four weeks. Condom use with regular partners was low, especially among female patrons of venues.

Underlying determinants of the epidemic include young age, unemployment, history of jail or prison, low education and low socio-economic status.

#### **Part IV MSM Survey**

The prevalence of STI was high among MSM. The prevalence of HIV was 32.9%. 8.5% had a positive rapid test for syphilis, indicating that they had ever been infected with syphilis. The prevalence of gonorrhea was 2% and of chlamydia was 8.9%. The estimates for the prevalence of gonorrhea and chlamydia are underestimates because the test used did not uncover cases of rectal gonorrhea or chlamydia. MSM provided a urine specimen and not a rectal specimen. The results cannot be generalized to MSM in Jamaica. Most of the MSM in these surveys were poor, unemployed and socially vulnerable. Transactional & commercial sex was more common in this population than expected in a random sample of MSM.

HIV infection was associated with receptive anal intercourse, engaging in both receptive and insertive sex (known as "versed"), ever having a STD, commercial sex, and five or more one night stands. HIV was also associated with being a victim of physical violence, lower socio-economic status, and history of rape.



Discussion of these findings led to insights into why is HIV prevalence so high among MSM. Reasons that emerged based on the findings were the following reasons:

- The high proportion of men engaging in receptive anal sex
- Social vulnerability – homeless, poor, no family support, limited education
- Stigma
- Exploitation and power imbalance among MSM
- Lifestyle issues and living for the moment
- Poor risk perception and no life plan
- Prevention programs appear to be ineffective
- Social support programs are inadequate

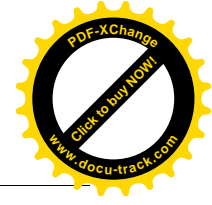
Strategies to reduce high HIV rates among MSM were identified:

- Empower and support MSM to take more responsibility for promoting safe sex among MSM
- Caribbean leaders need to promote policy that accepts adult MSM have a right to their sexuality
- Decriminalize sex between consenting adult men
- Take action when discrimination occurs
- Reduce social vulnerability among MSM
- More public education about the risk of anal sex and the need to use a condom always
- Resolve the problem of access to lubricants.

## Part V Data Use and Recommendations

PLACE findings were reviewed and reported in meetings with the MOH and in public meetings. Preliminary findings were described and discussed with the MOH BCC team in January 2011. During that discussion, some suggestions were made about simplifying the protocol so that it could be institutionalized by the MOH. During another session with the MOH in June, small groups were convened to further discuss operationalizing the method. In addition to operationalizing PLACE, there were other opportunities to use the PLACE and MSM findings:

- For reporting to the Global Fund
- For informing the Modes of Transmission Analysis
- For giving context to other interventions on the island
- For contributing to regional discussions at scientific meetings and at global meetings.



## Part I Preparation and Protocol Development

### Background and Rationale

The epidemic in Jamaica has features of both a generalized and concentrated epidemic. As of 2007, 27,000 persons or approximately 1.6% of the Jamaican adult population are estimated to be infected with HIV. Almost two thirds of HIV infected persons are unaware of their status. Higher HIV prevalence has been recorded in vulnerable groups such as commercial sex workers (SW) (4%), MSM (32%), and persons with STIs (3.6%), crack/cocaine users (5%), and prison inmates (3.3%). Sentinel surveillance of women attending antenatal clinics indicate that there is no significant change in the prevalence of HIV over the last decade despite prevention efforts.

However, persistent behavioral, social and cultural factors continue to fuel the epidemic in high risk groups and it may be premature to state that the epidemic has stabilized. High rates of multiple sex partners among men, increased transactional sex, and early age of sexual debut are important ingredients for further spread of HIV. Some of these behaviors are driven by increasing poverty, population dynamics, and well-established gender roles in which men are sexual decision makers. However, there has been a significant decline in AIDS Deaths and mother-to-child transmission of HIV, over the past two years.

There is an urgent need in Jamaica to develop effective prevention programs to limit the spread of HIV. Many approaches are needed to contain the epidemic including school-based programs, mass media campaigns and targeted approaches for those most at risk. Prevention efforts require current information about the HIV and STI epidemics in high risk groups.

### Objectives

Prevention programs need strategic information in order to improve programs. This includes information about prevalence of HIV and other STI. It also includes information about the characteristics and behaviors of key populations.

Overall objectives include:

- To estimate prevalence and incidence of HIV/STI among key populations
- To measure proximate & underlying determinants of HIV transmission
- To monitor program coverage
- To establish closer contacts with key populations in order to expand prevention and treatment services
- To institutionalize the survey protocols for implementation by MOH

The study questions are:

For workers and patrons of venues:

- What are the characteristics of venues where people meet new sexual partners in Jamaica?
- Where are venues located?
- What evidence is there of HIV prevention program efforts at the venues?
- Are condoms available onsite?
- Are HIV prevention messages displayed onsite?
- What is the prevalence and incidence of HIV and STI among men who women who work at and patronize venues identified as places where people meet new sexual partners?
- What is the prevalence and incidence of HIV and STI among women who exchange sex for money?
- What are the sociodemographic and behavioral characteristics of these groups?
- What is the access of these groups to HIV prevention programs?
- What are the characteristics of those infected with HIV?
- What are the characteristics of those infected with other STI?

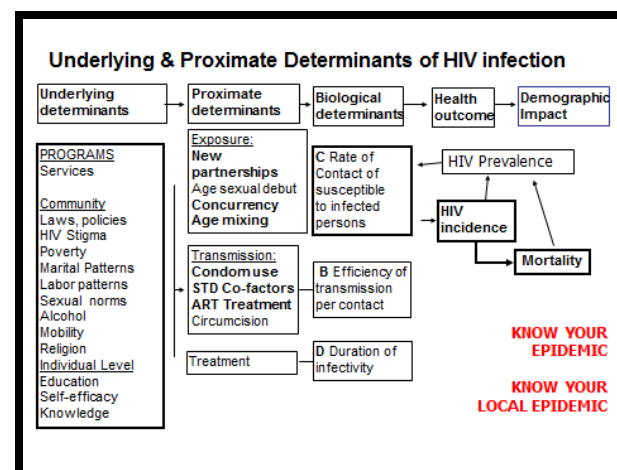
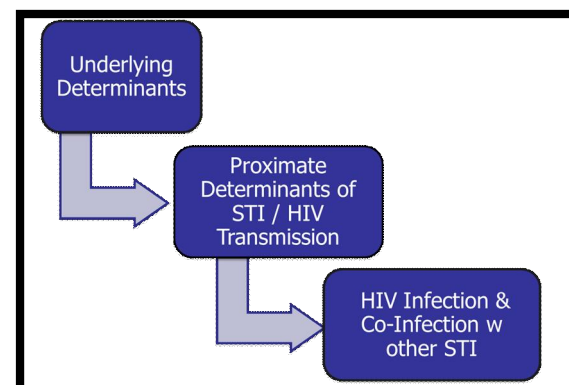
For men who have sex with men:

- What are the sociodemographic characteristics of men who have sex with men?
- What are their risk behaviors?
- What is the prevalence of HIV and other STI?
- What are the characteristics of those who are infected with HIV?
- Have MSM been exposed to HIV prevention programs?
- Do MSM use health services?
- Where are the gaps in HIV prevention services for MSM?

### Conceptual Model for Survey

The conceptual model for the surveys is the proximate determinants model. This model is an epidemiologic model of the epidemic. In the model, underlying determinants lead to the proximate

determinants of transmission and then to HIV infection and infection with other STI. See figures below. The top figure is a simpler version of the more detailed version of the conceptual model below.



The underlying determinants identified for all the survey populations in Jamaica are shown below. The underlying determinants are in five different categories ranging from general underlying determinants such as age to factors that disinhibit condom use and limiting the number of sexual partnerships. These underlying determinants were identified based on a review of the literature, experience in Jamaica and previous survey findings, particularly findings from the 2007 MSM survey and the 2008 sex worker survey. They represent a new and more complete organization of underlying determinant of HIV/STI transmission.

## Underlying Determinants Measured in the Survey- New Categories

- **General**
  - Region
  - Age
  - Marital status
  - Sex orientation
  - Have children
- **Vulnerabilities**
  - Unemployment
  - Low education
  - Low SES
  - Low literacy
  - Lack of Social support
- **Negative Life Events**
  - Homeless
  - Jail
  - Rape
- **Disinhibition**
  - Sexwork
  - Drugs /Alcohol
  - Venue visiting
  - Work at bars/clubs/street
- **Participation in Health Programs**
  - HIV Testing
  - Family planning
  - Seek health care
  - Condom carrying habit

In addition to better specifying the underlying determinants of transmission, the study team further specified the proximate determinants of transmission. The proximate determinants were divided into two categories: variables indicating an increased probability of exposure to HIV and variables indicating an increased probability of transmission given exposure. The outcomes measured are also listed below.

## Proximate Determinants

### Exposure:

#### Behaviors that increase exposure

- Number of sexual partners
- Sex with an HIV+ person
- Early age at first sex
- Age mixing
- Geographic mixing

### Transmissibility:

#### If exposure occurs, behaviors or factors that increase the chance of transmission

- Lack of condom use
- Having another STI
- If male- not being circumcised (not measured)
- Anal sex
- Partner has high viral load (not measured)

## Outcomes: HIV and STI Infections

- HIV
- Syphilis
- Gonorrhea
- Chlamydia
- Trichomoniasis (MSM excluded)

MSM were excluded from tests for trichomonas because there were no infections among 100 MSM tested in 2007. The test is very expensive and did not appear to be worth the cost given the previous findings.

### Protocol development

Protocols were developed primarily by Figueroa and Weir in collaboration with the National HIV program and key stakeholders including JAS, CDC, USAID and the Red Cross. Protocols included methods to interview persons at increased risk of acquiring and transmitting infection and collect biological specimens for surveillance of sexually transmitted infections. The surveys require the collection, storage and processing of biological specimens as well as the provision of test results to participants, procedures for assuring the confidentiality of data, and quality control measures.

Protocols were field tested and refined for implementation by the Ministry of Health. These surveys are implemented every 2-3 years. The MOH routinely monitors interventions using a monitoring system that complements these surveillance data.

### Funding

MOH provided support through Global Fund for coordination, supervision, data collection, data entry. GOJ provided support for HIV testing and laboratory support. UWI provided technical support and leadership. USAID provided technical and financial support through MEASURE.



Ethical approval was obtained from the Ministry of Health and from University of North Carolina.

### **Formation of PLACE and MSM Study Teams**

Dr. Peter Figueroa served as the Principal Investigator and Sharon Weir as Co-Principal Investigator. Their responsibilities were to:

- Assume all responsibility for carrying out surveys
- Write protocols
- Train study staff and interviewers
- Manage budgets
- Purchase supplies and equipment
- Obtain ethical review
- Supervise field work
- Write data entry programs and supervise data entry
- Conduct analyses
- Present findings
- Publish findings

Other members of MSM and PLACE Survey Team included:

- University of the West Indies: Ms. Lovette Byfield
- University of North Carolina: Dr Marcia Hobbs, Ms Kimberly Rich, Dr. Chiryath Suchindran, Mr. Stirling Cummings, Ms. Jessie Edwards Ms. Stephanie Watson-Grant
- Ministry of Health: Ms Marion Scott, Dr. Sharlene Barrett, Mrs. Carol Jones Cooper, Mrs. Sannia Eastman, Ms Andrea Campbell, Regional MOH teams, Regional BCC coordinators,
- Medical services providers
- Epidemiologic Research Training Unit: T Hylton-Kong, Laboratory Technicians
- Others :Dr. Jacqui Duncan, Dr. Ian McKnight, Interviewers

### **Other Preparation**

- Other preparatory activities included:
- Aligning the questionnaires with other surveys and with indicator needs
- Determination of bias reduction strategies such as MOH staff should not ask questions of key populations and people should self-completed surveys for sensitive issues



- Target setting for number of interviews by type
- Data entry and analysis plans for each step
- Finalize testing protocols
- Finalizing personnel, budgets, and time frame

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## II Community Informant Interviews

### Objective

The objectives of the community informant interviews are:

- To obtain a list of venues and events where people meet new sexual partners in Jamaica
- To organize the lists by whether sex work is available at the site or not
- To count the number of informants reporting each venue
- To categorize the venues named by type
- To use the list of venues as the first step in constructing a sampling frame for the PLACE surveys

### Methods

A systematic method was used to identify the communities in Jamaica where the community informants would be interviewed. Communities were selected based on poverty, educational attainment of the population, violence, and other indicators of community vulnerability.

Trained interviewers from the MOH conducted brief interviews with a target number of 1200 community informants age 18 and older. Interviewers asked each informant to name venues where people meet new sexual partners, whether sex work occurs at the site, and where each venue is located (Form 11). Each participant was given a Study Information Sheet.

No personal identifiers were obtained from informant. Community informants included taxi drivers, people who work in bars and clubs, peer educators, and others. Verbal informed consent was requested. See specific instructions in box.

#### Specific instructions to interviewers:

1 - Confirm how many community informants to interview per parish. Brainstorm the types of persons to have as community informants in each parish and set some targets for each type of informant. The overall target is 1200 informants (male and female) age 18 and older. 400 in South East, 400 in North East/Southern, and 400 in Western Region. For example you might have targets of:

- ☐ 50 sex workers, 40 unemployed male youth, 40 street vendors, 40 street sellers, 10 service delivery providers, 10 MSM, 60 venue staff, 10 police, etc.
- ☐ Spread out across all regions and get different types of people in each parish

2) Every interviewer should have an interviewer number. Ask people for informed consent and probe for a list of sites and events. Write down the list in the spaces on p 1.

3) Then for EACH place named, fill out questions 1-7. Your interviewer number will go in the space for interviewer number, then the number for the CI you are interviewing. If it is the first one, it is CI 1, second is CI 2 etc. Don't start numbering over each day. Continue with numbers. Then if the person names 5 places you give info from A2-A7 for the first place and circle Report 1 for the first place. Then put in your interviewer number, CI number and circle report 2 for the next one and fill in A1-A7 for the second place.

Cut the page in half so you just have a stack of half page sheets. If possible use just one side of the paper. Then you can stack the forms by venue at the end of the day. For example if 10 people report Palais Royale you will have 10 forms for Palais Royale in a stack.

## Community Informant Results

The list of venues named and their addresses were sorted into piles, with each pile containing all the reports for each unique site or event. The number of informants reporting each venue was tallied and written on the top report for each site.

The top report for each site was entered along with the number of community informants reporting the site or event. The information for each site was entered into an ACCESS database.

The dataset was collapsed into one long list of unique venues and output into an excel spreadsheet by parish.

Community Informant Results		
	Number of Places	
■ Number of Reports: 3911	■ Bar	204
■ Number of Places: 1389	■ Night Club	92
■ % with sex work: 60%	■ Exotic Club	93
	■ Massage Parlor	13
	■ Fast Food Parlor	80
	■ Internet site	52
	■ Outdoor site	419
	■ Event	134
	■ Other	302

sites, bars, night clubs and exotic clubs.

In all, almost 4000 reports of sites and events where people meet new sexual partners were obtained. These 3911 were initially collapsed into a list of 1389 unique sites and events.

Of the 1389 sites and events identified, 60% reported had sex work onsite, according to the community informants. The most popular types of sites were outdoor

### III Site Verification

#### Objectives

The objectives of PLACE Site verification are to describe sites and events named by community informants, assess on-site HIV prevention efforts at a sample of sites and events, and use the list of sites and events as a sampling frame for the worker and patron surveys.

#### Methods

The protocol team decided to oversample sites likely to have sex workers, however, no type of site was excluded. The team decided to conduct site verification at:

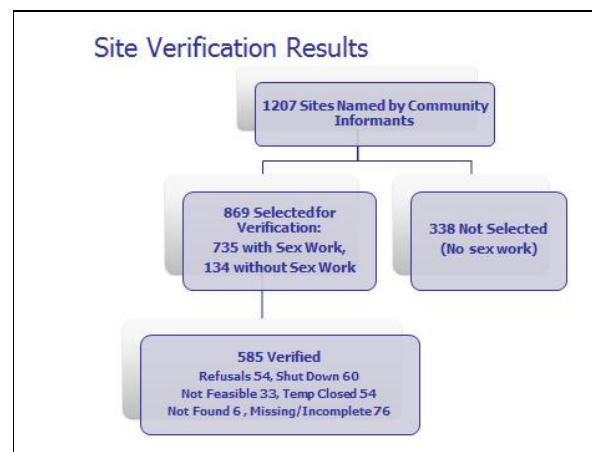
- All night clubs
- All exotic clubs
- All massage parlors
- Bars with sex work
- Events with sex work
- Outdoor sites with sex work
- Fast food with sex work
- Others with sex work
- Plus a 10% random sample of the rest of the sites and events named.

Sites and events were selected for verification from the list of sites obtained by interviewing the community informants. The questionnaire used at each site is in the appendix. There are 30 questions, some of which contain many sub-questions. The interview was designed to take approximately 30 minutes. The actual version had larger font.

An interviewer approached the site at a time that was not busy and asked to speak with someone knowledgeable about the site. This respondent is called a "site informant". Site informants were required to be at least age 18 or older. The study was explained to the potential participant. Verbal Informed consent was requested. If the first person refused to participate, someone else was asked.

### Site Verification Results

1,389 sites and events were reported by community informants. During site verification and data cleaning, duplicate sites were eliminated from the list. The final list included 1207 sites. Of these 869 were selected for site verification—735 of these reportedly had sex work onsite and 134 were chosen randomly. Of those selected, 585 were visited and verified including 485 sex work sites and 100 randomly selected sites.



869 sites were selected for verification. Of these 485 were completed and 284 were not completed. Of those not completed, the primary reasons were missing or incomplete questionnaires (76), refusals (54), the site being shut down (60) or temporarily closed (54). We estimated that of the 869 sites selected for verification, 748 were operational and 121 were not operational. Operational sites are sites that were completed, sites that refused, sites that were not feasible for conducting an interview, and sites that were incomplete. It is possible that some of the incomplete sites will prove to be not operational.

Based on the information obtained during site verification, we estimated there are 624 operational sites with sex workers (excluding St Mary).

## Estimated number of Operational Sites with Sex Work by Type

Type of Site	Number
Outdoor SW Sites	210
Clubs	117
Massage	10
Other Sites w Sex Work	246
Internet	5
Event	36
<b>Total Number of Operational Sites with Sex Work</b>	<b>624</b>

In all, information was obtained on the 585 sites and events with completed data.

Security guards were the most common type of venue informant. Interviewers judged most of the respondents to be extremely knowledgeable (36%) or knowledgeable (53%) about the site.

Most of the sites reported having fewer than 50 men present at a busy time. Only about 15% of sites reporting having 100 or more men at a busy time.

Over half of the sites reported no HIV prevention activities onsite. 40% reported some condom promotion activities. 28% reported that there had been onsite testing for HIV. 35% reported having had some outreach workers provide onsite HIV education. 27% of sites reported that condom had not been at the site anytime during the past 12 months. Only 37% of sites reported that condoms had been continuously available at the site during the past 12 months. Condoms were visible to the interviewer at only 23% of sites.

### Characteristics of Sites and Events (See Appendix 2)

Over half (55%) of the sites had been in operation for more than five years. About 25% had been in operation two years or less. Alcohol was consumed at 75% of sites. Alcohol consumption was lowest at street sex work sites (63%). Ecstasy was used onsite at 9% of sites and was highest at sites with sex work. Crack cocaine was used at 20% of street sex work sites and only 4% of clubs with dancers.

Over 70% of site informants confirmed that men meet new sexual partners at the site. This was true for sites without sex work that were randomly selected. 75% of these randomly selected sites were acknowledged to be places where men meet new sexual partners.

Overall, about a third of the site informants reported that men come to the site to buy sex from women. This proportion was highest at street sites and clubs with dancers, but was not negligible at the randomly selected sites where 16% of the site informants reported that men come to buy sex from women. When asked directly if female sex workers solicited at the site, 35% of site informants reported that female sex workers came to the site, including 21% of randomly selected sites where sex work was not reported by a community informant.

About 13% of site informants reported that gay men come to the site to meet male sex partners. This proportion was highest among the street sites (23%) and lowest at the clubs (4%).

## PLACE Patron, PLACE Worker and MSM Surveys

### Objectives

Surveys were conducted with MSM, PLACE workers and PLACE patrons. Sub-analysis of female workers and patrons who reported sex work was also conducted.

The objectives of the surveys for each group (MSM, PLACE workers, PLACE patrons, and sex workers) are to:

- To estimate the prevalence of HIV and other sexually transmitted infections
- To identify risk factors for HIV infection
- To monitor program coverage and effectiveness
- To identify measures to improve prevention efforts and access to treatment

### Methods

#### Inclusion Criteria for each Group

MSM: Repondents must be age 15 or older, self-identify as a man who has sex with men (MSM), and sign written informed consent.

PLACE Workers: must be age 16 or older, be working at the site and sign a written consent form.

PLACE patrons: must be age 16 or older, be at the site independently (e.g. not on a family errand or with parents if age 16 or 17)

Female sex workers: must be a PLACE worker or patron, age 15 and older and report exchanging sex for cash in the past 3 months

#### Sampling and Recruitment

MSM were recruited in four ways: through participation in MSM workshops, by letter of invitation from one MSM to one of his social contacts, by introduction from an MOH outreach worker well known in the MSM community, and by introduction by a study participant directly to the interviewers, without using the letter of invitation. Interviewers visited

Female workers and patrons were recruited in two stages. First sites were selected and then a target number of interviews was determined for each site based on the expected number of workers and patrons at the site, based on information obtained during the site visits. Sites were selected after dividing the list of sites in each region into four categories: street sites, dance clubs, events and other. A

target number of each type of respondent (female workers and male and female patrons) was set for each region based on the population in the region. Sites were randomly selected from lists of each of the four categories. The number of people interviewed at each site was proportional to the number expected at the site. The data are weighted to take into account the probability of selection of the site and the probability of selection of a person within the site.

Interviewers went to the site usually before a busy time and asked to interview female workers. A target number of workers was set for each site, based on the size of the site. The figure below shows the type of sites where surveys for Female Workers and Male and Female Patrons were conducted.

**Step4 Worker and Patron Surveys by Type of Venue**

Type of Venue	Female Workers	Male and Female Patrons
Streets	Yes	No
Dance Clubs	Yes	Yes
Events	No	Yes
Other	Yes	Yes

Patrons were not interviewed on the street and workers were not interviewed at events because we expected few patrons on the street and few workers at events.

**Overall Target: 1100 Interviews**

Region	Workers	Female Patrons	Male Patrons
South East	275	165	165
North East	75	45	45
Western	125	75	75
Southern	25	15	15
	500	300	300

Overall, we aimed to conduct 1100 interviews including 500 female workers and 300 male and 300 female patrons. More interviews were to be conducted in South East than in any other region.

#### Interviews

Eligible persons were invited to participate in the survey and testing. Only persons who agree to both survey and testing were invited to participate. At the end of the

interview a phone card worth US \$6 was given to participants as an incentive to participate.

MSM were interviewed by the nurse using a structured questionnaire. Sensitive behavioural data was interviewer administered, self-completed by MSM and put in a sealed envelope.

## Testing

Blood was tested for HIV and syphilis. Urine was tested for gonorrhoea & chlamydia. No rectal specimens were collected from MSM. Results and referral/treatment were provided. This table shows the pathogens, lab tests, and the lab doing the tests. Training interviewers to collect the urine samples required the expertise of Dr. Marcia Hobbs and Ms Kimberly Rich. Below is a description of the urine collection process and the testing.

### Methods for Collection of Urine Specimens

1. After completion of the survey, the participant is asked to provide a urine sample in a cup. The urine sample will be used to screen for chlamydia and gonorrhea. Participant will be provided with the urine specimen cup.
2. An ID sticker which matches the number on the study log should have been placed on the urine specimen cup before it was placed in the participant bag.
3. Ideally, it should be one hour since the participant's last urination for the most accurate testing.
4. Participant will be instructed to give the urine specimen cup to the interviewer.
5. Participant will be instructed NOT to wash or wipe him/herself before providing the sample.
6. Study staff will remove 2 ml of urine from the specimen cup using a pipette, which has a 2 ml mark at the base of the bulb. The urine will be placed in the Aptima collection tube which will also have a matching ID sticker.
7. Aptima tubes will be stored at room temperature in biohazard bags and will be delivered to the ERTU the next day or as soon as possible. Cold chain is not required.

### Urine Collection Instructions for Study Participants

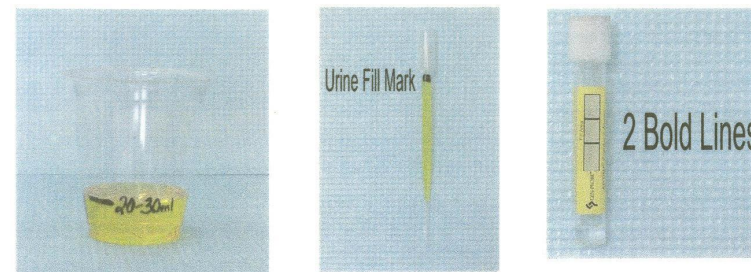
- You should not have urinated for at least one hour prior to this urine collection.
- **DO NOT WASH OR WIPE YOURSELF BEFORE GIVING THE URINE SAMPLE!**
- Using the urine cup provided, collect only 20 to 30 ml of urine of your first urine stream.
- Wipe off the outside of the urine cup. Place the cap tightly on the cup.

### Instructions for Transferring the Urine from the Specimen Cup

1. Mix the urine thoroughly and carefully (avoid splashing).
2. The disposable kit pipette has a 2 ml mark at the base of the bulb. Insert the pipette all the way to the bottom of the urine container and draw up 2 ml.
3. Dispense the urine into the urine transport tube. DO NOT pour out the liquid in the tube before dispensing the urine into it. This liquid is necessary for the testing.

4. The resulting liquid level will be BETWEEN THE 2 BOLD LINES in the middle of the view window on the side of the tube. DO NOT over or under-fill the tube. NOTE: It may be difficult to draw up 2 ml at one time in the pipette. You may need to make a couple of transfers from the pipette into the tube. Just remember to follow the instructions in #2 each time.
5. Cap the tube tightly, make sure the correct ID number is on the tube, and place it in a plastic bag and seal it. Each tube should be placed in its own bag.
6. Dispose of remaining urine, urine cup and pipette. DO NOT re-use the pipette.

### AMPLIFIED CHLAMYDIA/GONORRHOEAE PROTOCOL & COLLECTION GUIDE For GenProbe APTIMA Testing



### APTIMA URINE SPECIMEN FOR MALE OR FEMALE

1. **Patient should not have urinated for at least 1 hour prior to collection.**
2. **DO NOT CLEAN** area prior to collection.
3. Direct patient to collect 20-30ml of **INITIAL URINE STREAM** in urine cup. Larger volumes will dilute specimen and reduce test sensitivity.
4. The disposable kit pipette has a 2ml mark at the base of the bulb. Squeeze the bulb and **DRAW UP 2ML URINE** from the cup.
5. Dispense into the urine transport tube.
6. The resulting liquid level will be **BETWEEN THE TWO BOLD LINES** in the middle of view window on the side of the tube. **DO NOT** over or under fill tube.
7. Cap tightly, label tube, and mail to the laboratory.
8. **DO NOT** send urine in specimen cup. Dispose of urine cup and pipette. **DO NOT** reuse.

### IMPORTANT NOTES ABOUT APTIMA TESTING

1. Reliable results are dependent on **ADEQUATE SPECIMEN COLLECTION**.
2. **CRITERIA FOR REJECTION:**
  - a. Over or under filled urine transport tube.
  - b. Leaked in transit.
  - c. Expired collection kit.
3. **Female urine testing is not intended to replace cervical exams and**

Specimens were tested using protocols supplied by GenProbe. Quality control was provided by Dr. Julia Hobbs of UNC Infectious Disease, an expert in lab quality control procedures.

Pathogen	Name of Test and Lab	Comments on Specimen Collection/Storage and Interpretation
<i>Neisseria gonorrhoeae</i> (Bacterium)	Gen-Probe APTIMA Combo2	Tested from 20-30 mL First Catch Urine  Transfer 2 mL of urine to Gen-Probe tube within 24h of collection. Transport to lab at ambient temp. or on ice. Refrigerate for up to 30 days and then freeze if test has not been done.
<i>Chlamydia trachomatis</i> (Bacterium)	ERTU/ Comprehensive	Initial positives and indeterminates to be repeated. Final results can be POS, neg or indeterminate  See also SOPs written by Dr. Hobbs
<i>Trichomonas vaginalis</i> (Protozoan)	Gen-Probe APTIMA TV ASR  ERTU/ Comprehensive	Tested from Blood collected in 10 mL red-top tube (without gel)  Transport blood to lab on ice.  RPR positives must be confirmed with TPPA  Confirmation of Trust test for syphilis will be done at National Reference Lab
<i>Treponema pallidum</i> (Bacterium)	2007 Test  RPR + TPPA  ERTU/ Comprehensive with confirmation at NRL	Finger prick and results provided directly to respondent. Respondent told to get confirmatory test.
<i>Treponema pallidum</i> (Bacterium)	2010-2011 Syphilis rapid test	Preliminary positive result= POS with both rapid tests.  Confirmation required for final result  National Reference Lab will do confirmation for HIV
Human immuno-deficiency virus	Determine/ Unigold rapid tests confirmed by ELISA at ERTU/ Comprehensive with confirmation by WB at NRL	

## Content of Surveys

Surveys of MSM, SW, patrons and staff include questions about sexual behavior, signs of STI, exposure to HIV prevention programs, and knowledge of HIV. The most sensitive questions about sexual behavior and condom use were asked using a self-completed questionnaire where the interviewer asks the question and the respondent privately records the answer. This has proven to increase the acceptability of these questions.

## Content of Interviewer Training

Interviewers were trained based on the following instructions:

### Preparing for the Interview

To be successful, every interviewer must thoroughly understand each data collection instrument, and be able to use the instrument easily and correctly. Before you begin interviewing, review the questionnaires until you feel confident and comfortable with these instruments. Fumbling with your questionnaire can cause the respondent to lose confidence in you.

### Establishing Good Rapport and Staying Neutral

A successful interview is founded on a good relationship between the interviewer and the respondent. If an interviewer seems bored, uninterested, or hostile, the respondent is likely to behave in similar fashion. Try to show the respondent that you are an understanding and friendly person. Interviewers may have certain opinions about the respondents. In this study, some respondents may report behavior that is illegal or that you do not approve of, such as selling or buying sex, having many sexual partners, or injecting drugs. Do not allow your words, tone of voice, or gestures to convey "judgment" of the respondent. Be careful to remain friendly but neutral. Although it may be difficult at times, do not allow anything in your words or manner to reflect surprise, criticism, approval or disapproval of the questions asked or the answers given.

If a respondent gives an ambiguous answer, never assume that you know what the respondent means. Do not say things like "Oh, I see, I suppose you mean... Is that right?" If you do, the respondent is very likely to think you are suggesting the "right" answer, and to agree, regardless of what they really feel or believe.

### Asking the Questions

There is a logical sequence in the order in which the questions follow each other. Do not alter the sequence of questions. Also, do not change the wording of the questions. If the respondent seems not to understand, simply repeat the question. This is important, because each question needs to be asked in the same way to each respondent. If a respondent asks you to define any words in a question or explain some part of a question, refer to relevant sections of this manual. If it is clear that a respondent does not understand the question, even after you have repeated it, you can rephrase it using simpler or colloquial words, but taking care not to alter the meaning. Respondents can be influenced by knowing what questions are coming next, or by seeing the answer categories. Do not show the questionnaire to the respondent, before or after the interview.

### Avoid Conducting the Interview while Others Observe

Bystanders noticing an interviewer with a clipboard and questionnaire may become curious and gather around the respondent. If this occurs, stop the interview, explaining to the observers that you need to



conduct the interview in privacy. Move to another place if necessary. Allowing others to observe is discouraged because it can affect the answers the respondent gives.

Before the encounter begins, the interviewer should read an introductory statement to the potential respondent explaining the purpose of the study and that their participation is voluntary. These statements are written in normal lower case type toward the beginning of the form, immediately before the first question to be asked. If a respondent declines to participate or is too young to participate, it is important that interviewers complete the first portion of the encounter form. In this study, it will be interesting to know what types of people decline the interview. No stickers should be used if a person declines the study or is too young.

#### The Art of Probing

What is probing? It is a way to encourage the respondent to clarify an answer. Probing serves three main functions:

- To encourage the respondent to expand upon, clarify or finish up an answer being given;
- To discourage the respondent from giving irrelevant information; and
- To indicate that the interviewer is paying attention.

Some questions specifically include instructions for the interviewer to PROBE for a response. The following are techniques to encourage the respondent to clarify or expand upon an answer:

- Repeat the question as it was asked the first time.
- Repeat what the respondent has just said.
- Give neutral comments or ask neutral questions, such as: "Anything else?" (especially for questions where more than one response is possible) or "Any other reason?" or "What do you mean?"
- Give non-verbal cues or verbal acknowledgements, such as an expectant pause, look, or nod intended to give the respondent time to gather his or her thoughts.
- Nod your head, or say "Okay" or "I understand" to acknowledge a response.

#### Controlling the Interview

It is very important to have a pleasant and courteous manner and to get the respondent's cooperation. However, you must also maintain control of the interview so that it is completed in a timely and orderly manner. If the respondent starts to provide information on a topic to be covered at a later stage of the interview, tell the respondent politely that you must ask other questions first, and that he or she should wait until later to provide information on that particular topic. Alternatively, write down the responses and simply confirm them at an appropriate stage.

#### Ending the Interview

It is important to leave the respondent with the idea that you are grateful for his or her cooperation. Thank the respondent and mention that his or her co-operation has been most helpful and appreciated.



Immediately look over the questionnaire to be sure it is complete. If answers have been skipped or not clearly marked, follow up with the respondent.

At the end of the day, return all questionnaires to the field coordinator. He or she will review them and may need to clarify responses with you. If you have any questions about the correct way to handle respondents, ask questions, or record answers, ask the field coordinator in order to make improvements in the next interview.

#### Keys to Good Field Work

- Check to be sure you have all necessary materials (an adequate supply of the appropriate form, two pencils or pens, this manual, a letter of introduction, and any other instructions from the study nurse).
- Receive your assignment from the study nurse (the area you will work, the number of interviews to be conducted).
- If working in teams, coordinate the fieldwork for the day with your partner or partners.
- Meet with the study nurse at the designated point in the field when questions arise during interviews.
- After each interview, check for completeness and accuracy, and then thank the respondent.
- At the end of the day, meet with the study nurse to review your completed questionnaires.

#### DO NOT:

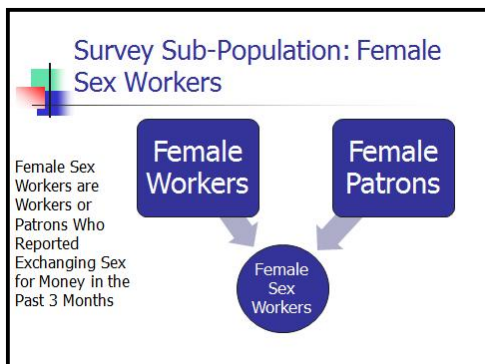
- Do not phrase questions in a manner likely to suggest answers.
- Do not put words in the mouth of the respondent, or lead the respondent towards your own viewpoint.
- Do not reveal your judgments or opinions about the respondents.
- Do not leave any response column blank. Make sure each question has been answered and the response recorded.
- Do not tear out any page of the questionnaire. If there is a problem with using any part of the questionnaire, write "CANCELLED" in big letters across the page and use a fresh questionnaire. Be sure to hand back to your supervisor any unused or partially used questionnaires.
- Do not allow people to observe the interview, and especially do not allow any person to answer on behalf of the respondent.
- Do not show the individual questionnaire form to the respondent or to any unauthorized person. This includes before, during, or after completing an interview.
- Do not leak any names or interview information in any way, whether knowingly or through carelessness.
- Do not combine your survey work with any canvassing for personal causes or for personal gain. This includes canvassing for political, religious, or other organizations.

## Results of the Worker and Patron Surveys

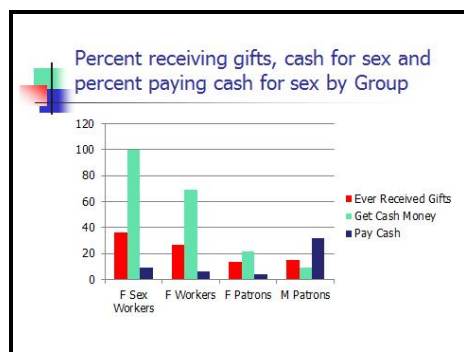
### Number of Participants

Patron and worker surveys were conducted between September and December, 2011. A total of 463 female workers, 263 female patrons, and 278 male patrons were interviewed and tested. The 463 female workers and 263 female patrons included 373 women who reported exchanging sex for money in the past three months. Of these, 165 were women who solicited on streets.

The graph below illustrates how female sex workers were identified in both the female worker sample and the female patron sample.



The figure below shows the percent of female workers, female patrons and male patrons who reported ever receiving gifts and cash in exchange for sex as well as the percentage who paid cash for sex.



## HIV and STI Testing Results

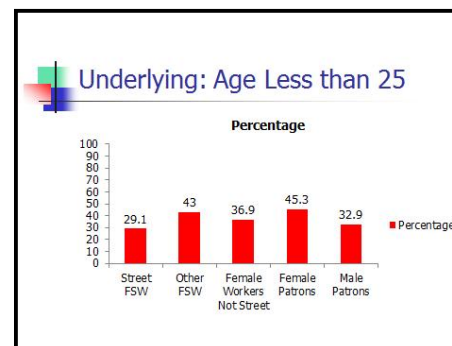
The prevalence of HIV and other STI varied by group. Female workers and female sex workers had the highest prevalence of HIV infection. The prevalence of chlamydia and trichomonas was the higher than the prevalence of any other infection. Among sex workers, the prevalence varied by where the sex workers solicited. The table below shows the high level of HIV and STI infection among the people surveyed. Chlamydia was the most common infection. Women working at venues had a similar prevalence of infection as sex workers.

**Prevalence of HIV and other STIs among Key Populations –Adjusted (April 25)**

	Female Workers	Female Patrons	Female SW	Male Patrons
HIV	4.7	0.8	4.1	0.5
Ever* Syphilis	9.2	6.1	8.7	4.0
Gonorrhea	9.4	6.3	7.1	4.5
Chlamydia	19.4	18.2	16.3	21.7

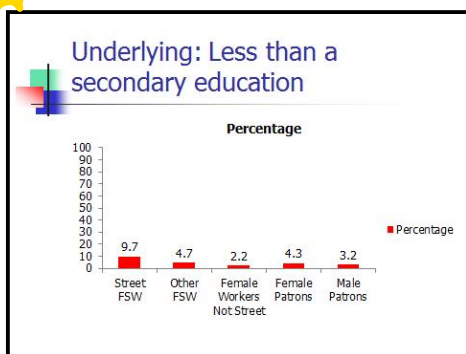
\*Percentage with a positive Bioline rapid test, NOT necessarily currently infected.

## SocioDemographic Characteristics

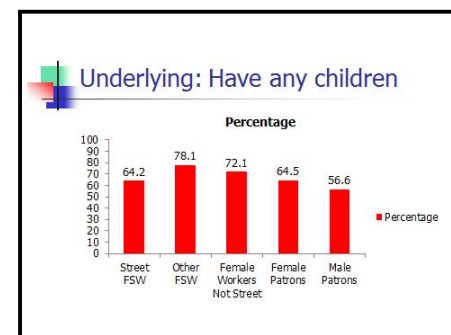


Over half of men and women in each category were over 25 years of age. The mean age of street female sex workers was 31 and the mean age of other female sex workers was 26.

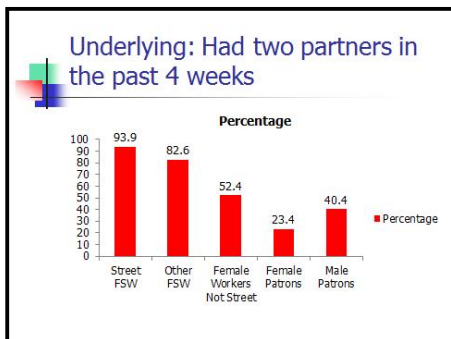
Most people had completed secondary school. Not completing secondary school was highest for street sex workers.



Most people reported having children including 64% of street sex workers.

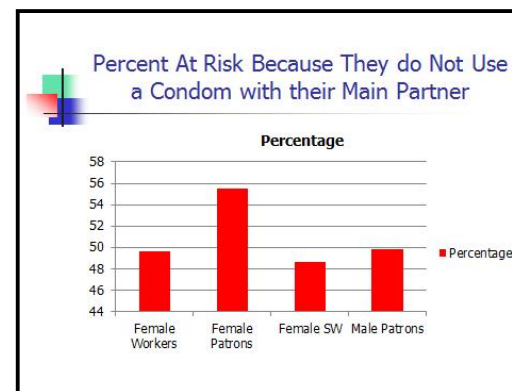
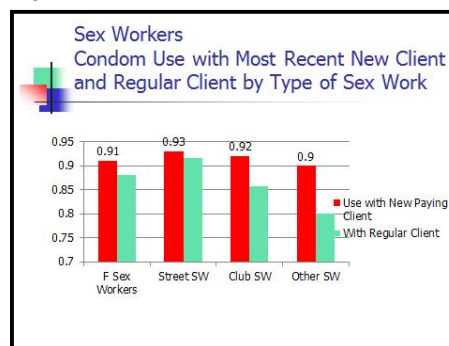


## Sexual Behavior



Sex workers are expected to have more than two partners in the past four weeks. In this survey, female and male patrons also frequently reported two or more sexual partners in the past 4 weeks.

As expected condom use with the most recent client varied by whether the client was a new client or regular client.



Almost half of all respondents did not report using a condom with their main partner.

## Social Vulnerabilities

Men and women faced social vulnerabilities. For example over 10% of most groups reported having slept outside due to homelessness. Over 20% of sex workers and 10% of female patrons reported ever being raped.

Social vulnerability was associated with risk of STI.

## Associated with Any STI

	Street	Other SW	F Workers Not Street	Female Patrons	Male Patrons
Low Educ	1.7	1.8			0.5
Low Literacy		4.7	4.0	3.7	0.5
Age 15-24		1.3	1.4	1.2	2.0
No Main M Part		1.5	1.2		
Visits 2+ sites	2.0				
Visits 4x/week		1.3			1.2
Homeless			1.2	1.6	
No risk card			2.0		
2+ past 4 wks				1.4	2.0
New partner	1.4	0.5	0.6		
STD history	1.2	1.4			
No condom anal		1.6	1.5		

that the person has visited two or more sites already or plans to during the evening. "No condom anal" indicates that the person has had unprotected anal intercourse. More information on these variables is included in the tables in the appendix.

The table to the left shows the odds of having any STI for each group given a range of characteristics associated with social vulnerability. For example, street sex workers with low educational attainment were 1.7 times more likely to have an STI than street sex workers with higher education.

"No risk card" indicates that the person had not ever seen the MOH risk card that is used in outreach prevention.

"Visits two-plus sites indicates

## Results Of the Men's Health Survey

### Number of Participants

The first phase of the Men's Health Survey began on December 3, 2010 and ended April 3, 2011. 406 reached another 51 men. The focus of the second phase was to follow-up men who participated in the 2007 survey. Test data was available for 453 men.

### HIV and STI Testing Results

The prevalence of HIV among 453 MSM participating was 33.7%. The prevalence was similar to the prevalence found in 2007.

### Prevalence of HIV and other STIs among MSM in Jamaica – 2007 & 2011

	2007 % Positive n = 201	2011 % Positive n = 449
HIV	31.8%	31.4%
Gonorrhoea	3.5%	1.8%
Chlamydia	11.0%	8.9%
Trichomonas	0%	-

Syphilis difficult to compare across years without full explanation of protocols—consequently, syphilis comparison not included in this slide

Year	HIV prevalence	Source
1986	10%	Murphy, Gibbs, Figueroa et al. JAIDS 1988
1995	32.3%	Rossi et al. Unpublished
2007	32.9%	Figueroa, Weir, Jones-Cooper et al. WIMJ 2012

## Transactional and Commercial Sex Work

A survey found that only a third of MSM did not exchange sex for gifts or cash. 28% of MSM reported exchanging sex for cash.

HIV status varied by whether the person reported engaging in sex work. The prevalence of HIV infection among those who received or paid cash for sex was 41%.

HIV prevalence is higher among MSM who report engaging in commercial sex. Among young MSM age

### HIV status of MSM and MSM sex workers by age group - 2011

Age group	MSM sex worker			MSM		
	No. HIV+ve	Total	% HIV +ve	No.	Total	%HIV +ve
15 -24	25	70	<b>35.7%</b>	42	207	<b>20.3%</b>
25+	26	55	<b>47.3%</b>	48	117	<b>41.0%</b>

20

15-24, the prevalence among those who engage in sex work is 35.7%. Among other MSM, the prevalence was lower, but still exceedingly high.

MSM with the most risky behavior were more likely to be infected. Those who engage in receptive anal intercourse and had a higher prevalence of infection. Those who reported five or more one night stands also had a high prevalence of infection. People who reported always

using a condom were less likely to be infected. Those who reported that a doctor told him he had an STI were also more likely to be infected.

### HIV status of MSM and MSM sex workers by risk behaviour - 2011

Personal experience		Percentage HIV +ve	
		MSM sex worker	MSM
Receptive anal intercourse	Yes	48.7%	31.1%
	No	27.7%	21.6%
Versed	Yes	50.8%	33.5%
	No	31.3%	23.8%
5 or more one night stands	Yes	67.6%	44.4%
	No	30.8%	25.7%

24

### HIV status of MSM and MSM sex workers by risk behaviour - 2011

Personal experience		Percentage HIV +ve	
		MSM sex worker	MSM
Carrying a condom seen by interviewer*	Yes	51.3%	33.9%
	No	36.1%	26.5%
Condom use always	Yes	23.1%	12.2%
	No	42.9%	30.0%
Ever told by doctor that he has a STD	Yes	61.2%	47.6%
	No	27.6%	18.6%

\*Need to re do this analysis excluding those who knew they were HIV +ve 23

MSM did not appreciate that they were at high risk of infection. 58% reported that they had little or no chance of getting infection.

### Risk Perception of MSM towards getting HIV - 2011

#### Risk of Getting HIV:

- No chance 18%
- Little chance 40%
- Little or no chance 58%

26

7 reported having difficult life circumstances. Those who had difficult experiences were more likely to be infected with HIV.

HIV status of MSM and MSM sex workers by adverse life events - 2011

Adverse Life Events	Percentage HIV +ve		Odds Ratio 95% CI
	MSM sex worker	MSM	
Suffered violence	53.8	32.4	2.43 (1.10-5.40)
Ever been in jail	51	33.3	2.08 (0.92-4.73)
Slept outdoors	50	32.5	2.08 (0.77-5.63)
Ever raped	65	30.8	4.18 (1.24-14.46)

Almost 90% of MSM reported having been reached with prevention programs. HIV testing increased between 2007 and 2011 from 39% to 69%. It is unlikely that 86% of all MSM have been reached with prevention programs. The high proportion suggests that the survey was more likely to reach people who had been reached by the programs.

Key Prevention Indicators among MSM in Jamaica 2007 and 2011

Indicator	Percentage and (95% Confidence Interval)	
	2007	2011
Condom use at last anal sex with MSM	75.1% (69.2, 81.1)	74.1% (68.2, 80.0)
Knowledge of how to prevent HIV	not asked	55.4% (48.8, 60.9)
Reached with prevention program	81.9 (78.3, 85.5)	86.8 (84.5, 86.8)
HIV tested and know result	39.4% (38.3, 40.5)	68.6* (66.9, 70.4)

## Part V Data Use and Recommendations

### Use of MSM Results

Dr. Figueroa has presented the MSM findings in Jamaica, among MSM groups, and internationally. The findings have been used to explain why the epidemic is so high among MSM and as a rationale for increased prevention efforts among MSM. The slide below has been presented at international meetings and in Jamaica.

Discussion

Why is HIV prevalence so high among MSM?

- Biological – anal sex is high risk
- Many MSM in the survey are socially vulnerable – homeless, poor, no family support, limited education
- Stigma and socialisation promotes high risk behaviour
- Exploitation and power imbalance among MSM
- Lifestyle issues and living for the moment
- Poor risk perception and no life plan
- Prevention programs appear to be ineffective
- Social support programs are inadequate
- The sample includes many MSM sex workers

How to reduce high HIV rates among MSM?

- Empower and support MSM to take more responsibility for promoting safe sex among MSM
- Caribbean leaders need to promote policy that accepts adult MSM have a right to their sexuality
- Decriminalise sex between consenting adult men
- Take action when discrimination occurs
- Measures to reduce social vulnerability among MSM
- More public education about the risk of anal sex and the need to use a condom always
- Resolve the problem of access to lubricants

Strategies to reduce high HIV rates among MSM come directly from the findings and include strategies to empower MSM, to decriminalize sex among men, and to reduce social vulnerabilities.

The strategies reflect the proximate determinants framework.

## Use of PLACE Results

The PLACE findings were reviewed and reported in meetings with the MOH and in public meetings. Preliminary findings were described and discussed with the MOH BCC team in January 2011. During that discussion, some suggestions were made about simplifying the protocol so that it could be institutionalized by the MOH. During another session with the MOH in June, small groups were convened to further discuss operationalizing the method. Marion Scott has written a draft document to institutionalize the PLACE method in Jamaica. Excerpts from this draft document follow:

### Overview of the PLACE methodology

PLACE is a rapid assessment tool to monitor and improve AIDS prevention programme coverage in areas where HIV transmission is most likely to occur. PLACE is designed for local programme managers who want to know where to target resources to prevent new infections. PLACE systematically identifies gaps in current prevention programmes, enhances the local use of these findings to improve programme delivery and monitors programme coverage.

#### Activities include:

- Surveillance
- Monitoring behaviour and programme coverage
- Intervention design
- Scaling up programmes
- Community mobilization

#### Getting started

- *Establish a team of local experts who will provide technical guidance and training*
  - *Clearly identify roles and responsibilities of all those involved*
  - *Training and resources*
1. Community Informant Survey: Purpose, Methods, Training, Data Entry, Data Analysis
  2. Site verification: Purpose, Methods, Training, Data Entry, Data Analysis
  3. Worker/patron interviews: Purpose, Methods, Training, Data Entry, Data Analysis

#### Intervention time!

Quality prevention interventions are integral to stemming transmission of HIV and STIs not only among this target population but also to general population through bridging

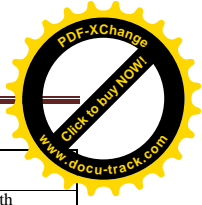
#### Tools of the trade:

- Vibrant, energetic, non-judgemental, tolerant outreach staff
- Strong alliance with lab and contact investigators
- Penis models, vagina models, condoms and lubricant for distribution, educational materials, risk cards
- HIV and Syphilis rapid test kits
- Permission/acceptance from proprietors, gatekeepers to offer these services to everyone at the site
- Plan visits based on busy periods guided by the site verification data to avoid waste of resources

Meaningful interventions provide continuous opportunities and support for behaviour change-risk reduction

Based on the feedback to date, we can expect that the MOH will continue to implement PLACE nationwide. In addition to operationalizing PLACE, there were other opportunities to use the PLACE and MSM findings:

- For reporting to the Global Fund
- For informing the Modes of Transmission Analysis
- For giving context to other interventions on the island
- For contributing to regional discussions at scientific meetings and at global meetings.



**PAGE 1: COMMUNITY INFORMANT INTERVIEW – ONE PER INFORMANT**

Hello. I am working on a study conducted by the Jamaica Ministry of Health to identify where better health programs are needed. We want to talk to people like you in the community who we believe can assist us. The purpose of the study is to find out where people go to meet new sexual partners. Please tell us the names and locations of places where you think people meet new sexual partners. We don't want to know the names of any private residences. We are just interested in public places. If you tell us where these places are then we will visit them to see if they want to have a health program there. Telling us the names and locations of these public places should take between 5 and 10 minutes. We won't ask your name or any information about yourself. You will not be contacted in the future and your answers cannot be linked back to you. Your participation is completely voluntary and you may decline to answer any specific question or completely refuse to participate. We would greatly appreciate your help in responding to these questions.

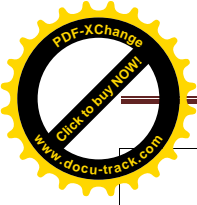
ASK EVERYONE: Could you tell me a few places or events where people go to meet new sex partners in <this community>? USE SPACE BELOW TO LIST PLACES. THEN PROBE:

- Are there places where people can pay for sex services, including oral sex, lap dances and full-body massage? Are there streets where sex workers solicit clients?
- Where do men who have sex with men meet each other?
- Are there other social events where people who meet each other may have a one night or brief sexual relationship?
- Are there websites or chat rooms available to find someone for sex?

LIST OF SITES AND EVENTS

FOR EACH SITE OR EVENT LISTED HERE, FILL OUT A SITE/EVENT REPORT FORM. AFTER FORMS ARE COMPLETED, THANK THE RESPONDENT FOR THEIR TIME.

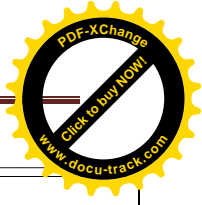
(SPACE FOR 10 REPORTS)

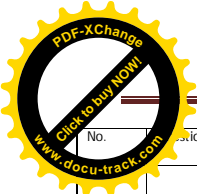


PAGE 2: THIS IS THE SITE AND EVENT REPORT FORM. FOR EACH PLACE NAMED BY COMMUNITY INFORMANTS – FILL IN A1-A7.					
PLACE REPORT Interviewer Number: _____ Sequential CI Number: _____ Report: 1 2 3 4 5 6 7 8					
A1	Parish Circle 1	Kingston 1 St Andrew 2 St Catherine 3 St. Mary 4	St Ann 5 St Elizabeth 6 Portland 7	St Thomas 8 Westmoreland 9 Hanover 10	Clarendon 11 Manchester 12 St James 13 Trelawny 14
A2	Community	Name: _____		Census Code: _____	
A3	Name(s) of place:				
A4	Type of place	Bar 1 Night Club 2 Exotic Club 3 Massage Parlor 4 Fast food restaurant 5	Internet (Specify type below) 6 Outdoor Site (Specify type below) 7 Event (Specify type below) 8 Other (Specify type below) 9		
A5	Specify type.				
A6	Key populations at place?	Sex workers? YES NO		MSM? YES NO	
A7	Address of Site/how to find it				

**SITE AND EVENT QUESTIONNAIRE** B1 PLACE ID Site Number: \_\_\_\_\_

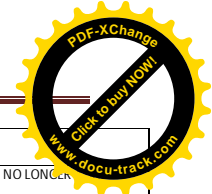
No.	Questions	Coding Categories
B2-B4	B2 Interviewer Number: _____ B3 Initials: _____ B4 Date (DD/MM/YY): ____/____/____	
B5	Parish Of Place  Circle 1	KINGSTON 1  ST ANDREW 2  ST CATHERINE 3  ST. MARY 4  ST ANN 5  ST ELIZABETH 6  PORTLAND 7  ST THOMAS 8  WESTMORELAND 9  HANOVER 10  CLARENDON 11 MANCHESTER 12  ST JAMES 13  TRELAWNY 14
B6a	Name and Type of PLACE from CI Reports:	
B6b	Actual Name Of Place:	
B7	Actual Community Where Site/Event Is Located:	
B8	Correct Address / Directions	
B9	Type Of Place	BAR 1  NIGHT CLUB 2  EXOTIC CLUB / SEX SHOP 3  MASSAGE PARLOR 4  FAST FOOD / RESTAURANT 5  INTERNET CAFE/ INTERNET SITE 6  OUTDOOR or STREET SEX WORK SITE (SPECIFY) 7  OUTDOOR HANG OUT SPOT (SPECIFY) 70  HOTEL/ MOTEL /GUESTHOUSE 10 CAMPUS SITE ( MUST SPECIFY BELOW) 11  MALL/ PLAZA 12  EVENT (MUST SPECIFY BELOW) 8  OTHER (MUST SPECIFY BELOW) 9
B10	Describe/Specify Type Of Site/Event In Words.	





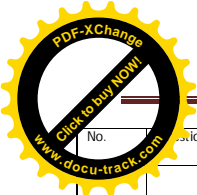
## Event and Site Verification Questionnaire page 2

No.	Questions	Coding Categories
B11	Role Of Respondent At Site	STAFF 1 SECURITY GUARD 2 PATRON 3 VENDOR IN AREA 4 SEX WORKER 5 STUDENT 6 B11A OTHER (SPECIFY) : _____ 7
B12	Interviewer Opinion: How knowledgeable is this respondent likely to be about the activities and patrons at the site?	EXTREMELY KNOWLEDGEABLE 1 KNOWLEDGEABLE 2 NOT VERY KNOWLEDGEABLE 3
<p>Hello. I am working on a study approved by the Ministry of Health in Jamaica. We want to talk to people like you who know about this community. The purpose of the study is to identify where better health programs are needed to prevent the spread of diseases that are transmitted by sex. I would like to ask you some questions about activities that occur at this place, the people who come here, and programs that may take place here. The interview should take between 20-30 minutes of your time. I won't ask your name or any other identifying information. Your participation is completely voluntary and you may decline to answer any question or completely refuse to participate. We appreciate your help responding to these questions, even though we cannot financially compensate you for your time. You may not personally benefit directly from the study, but the results may be used to plan a new health program for this area. This is what we will do with the information you give us. Your answers will be recorded on a paper that only identifies this place with a number. Your name will not be recorded anywhere and we won't ask any personal information about you except to make sure you are age 18 or older. We are asking people these questions at more than one hundred places in this area. The questionnaires will be kept in a locked cabinet. The only people who will see the questionnaires are people working on this study. An ethical review board has reviewed this study. If you have any questions ask Lovette Byfield, Ministry of Health, 967-1100.</p>		
B13	Questions To Respondent Begin Here: ARE YOU WILLING TO ANSWER THESE QUESTIONS? If Respondent Refuses, Find Another.	YES 1 NO 2
B14a B14b	Was An Interview Completed?  If Not Why Not?	YES 1 NO BECAUSE: NO WILLING RESPONDENT 2 ALL POTENTIAL RESPONDENTS TOO YOUNG 3 SITE CLOSED TEMPORARILY 4



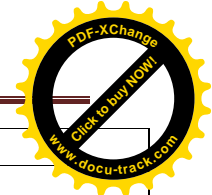
## Event and Site Verification Questionnaire page 3

No.	Questions	Coding Categories
		SITE CLOSED PERMANENTLY OR NO LONGER 8 OTHER (SPECIFY REASON): _____ 8
B15	HOW MANY YEARS HAS THIS SITE BEEN IN OPERATION?	< 1 YEAR 1 1-2 YEARS 2 3-5 YEARS 3 MORE THAN 5 YEARS 4 NOT APPLICABLE 9
B16a- B16h	WHICH TYPES OF ACTIVITIES TAKE PLACE HERE?.....Read List.  Circle Yes Or No For Each.	YES NO A ALCOHOL (BEER OR TONIC WINE) CONSUMED 1 2 B ECSTASY USED ONSITE 1 2 C CRACK/COCAINE USED ONSITE 1 2 D EXOTIC OR GO-GO DANCING 1 2 E SEX ON STAGE 1 2 F MUSIC (LIVE OR RECORDED) 1 2 G MASSAGE 1 2 H PEOPLE WAITING FOR A BUS OR TAXI 1 2



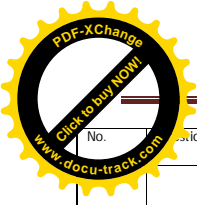
## Event and Site Verification Questionnaire page 4

No.	Questions	Coding Categories
B17a- B17e	I HAVE BEEN TOLD THAT PEOPLE MEET SEXUAL PARTNERS AT PLACES LIKE THIS. DO.....Read List.	<div>YES NO DK</div> <div>A DO MEN MEET NEW FEMALE SEXUAL PARTNERS HERE? 1 2 8</div> <div>B DO WOMEN MEET NEW MALE SEX PARTNERS HERE? 1 2 8</div> <div>C DO MEN COME HERE TO BUY SEX FROM WOMEN? 1 2 8</div> <div>D DOES SOMEONE ONSITE HELP PARTNERS HOOK UP? 1 2 8</div> <div>E DO FEMALE SEX WORKERS COME HERE TO FIND CUSTOMERS? 1 2 8</div>
B17f- B17j	Continued.... I HAVE BEEN TOLD THAT PEOPLE MEET SEXUAL PARTNERS AT PLACES LIKE THIS. DO..... Read List.	<div>YES NO DK</div> <div>F DO ANY MALE STAFF MEET NEW SEXUAL PARTNERS HERE? 1 2 8</div> <div>G DO ANY FEMALE STAFF MEET NEW SEXUAL PARTNERS HERE? 1 2 8</div> <div>H CAN PEOPLE HAVE SEX ONSITE? 1 2 8</div> <div>I DO GAY MEN MEET MALE SEX PARTNERS HERE? 1 2 8</div> <div>J DO GAY MEN WHO ARE SEX WORKERS COME HERE TO FIND CUSTOMERS? 1 2 8</div>
B18	WHEN DO FEMALE SEX WORKERS COME HERE?	<div>EVERY DAY /NIGHT 1</div> <div>NONE/ NOT AT ALL 2</div> <div>SOME DAYS/NIGHTS 3</div>
B19	DOES THIS PLACE HAVE SPECIAL DAYS OR NIGHTS?	<div>NO SPECIAL DAYS OR NIGHTS: 0</div> <div>YES, SPECIAL TIMES (specify below) 1</div>



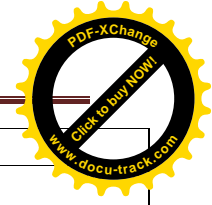
## Event and Site Verification Questionnaire page 5

No.	Questions	Coding Categories																		
B20	A NAME OF SPECIAL : _____ SPECIFY DAY: _____ B HOW OFTEN: _____ TIME: ____ AM/PM TO ____ AM/PM																			
B21	A NAME OF SPECIAL: _____ SPECIFY DAY: _____ B HOW OFTEN: _____ TIME: ____ AM/PM TO ____ AM/PM																			
B22a- B22e	A WHAT IS THE BUSIEST DAY OF THE WEEK HERE? Circle 1. B_C WHAT ARE THE BUSIEST HOURS ON THAT DAY? D_E DURING THAT TIME, HOW MANY MEN AND WOMEN DO YOU EXPECT TO BE SOCIALIZING AT THIS SITE? Read Options.	<div>A : MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY SUNDAY</div> <div>B: BUSY HOURS BEGIN: ____ ____ AM/ PM C HOURS END: ____ ____ AM /PM</div> <div>D MEN: E WOMEN :</div> <table><tr><td>FEWER THAN 25</td><td>1</td><td>1</td></tr><tr><td>25-50</td><td>2</td><td>2</td></tr><tr><td>51-100</td><td>3</td><td>3</td></tr><tr><td>101-150</td><td>4</td><td>4</td></tr><tr><td>151-200</td><td>5</td><td>5</td></tr><tr><td>MORE THAN 200</td><td>6</td><td>6</td></tr></table>	FEWER THAN 25	1	1	25-50	2	2	51-100	3	3	101-150	4	4	151-200	5	5	MORE THAN 200	6	6
FEWER THAN 25	1	1																		
25-50	2	2																		
51-100	3	3																		
101-150	4	4																		
151-200	5	5																		
MORE THAN 200	6	6																		



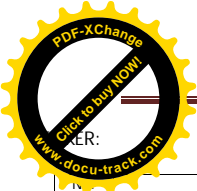
## Event and Site Verification Questionnaire page 6

No.	Questions	Coding Categories
B23a-B23j	WHAT TYPES OF WORKERS ARE AT THIS SITE?  If There Are Zero Workers Of A Certain Type, Write Zero "0".	<div>YES NO</div> <div>A. ANY FEMALE DANCERS? 1 2</div> <div>B. IF YES: NUMBER OF FEMALE DANCERS ON A BUSY NIGHT: _____</div> <div>C. ANY MALE DANCERS? 1 2</div> <div>D. IF YES: NUMBER OF MALE DANCERS ON A BUSY NIGHT: _____</div> <div>E. ANY PAID STAFF EXCLUDING DANCERS? 1 2</div> <div>F. IF YES NUMBER OF MALE STAFF EXCLUDING DANCERS: _____</div> <div>G. IF YES NUMBER OF FEMALE STAFF EXCLUDING DANCERS: _____</div> <div>H. ON A BUSY NIGHT ANY SEX WORKERS ON SITE? 1 2</div> <div>I. IF YES HOW MANY FEMALE SEX WORKERS (EXCLUDING DANCERS) _____</div> <div>J. IF YES HOW MANY MALE SEX WORKERS (EXCLUDING DANCERS)? _____</div>
B24a-B24k	IN THE PAST 12 MONTHS (SINCE PUT IN DATE), HAVE THERE BEEN ANY HIV PREVENTION ACTIVITIES AT THIS SITE? HAS THERE BEEN.....Ask Each.	<div>YES NO DK</div> <div>A. ANY HIV/AIDS PREVENTION? 1 2 9</div> <div>B. ANY CONDOM PROMOTION? 1 2 9</div> <div>C. ANY PERSONS ACTUALLY TESTED ONSITE FOR HIV? 1 2 9</div> <div>D. ANY SAFER SEX EDUCATION BY OUTREACH WORKERS? 1 2 9</div> <div>E. ANY OUTREACH THROUGH SEX WORK PEER EDUCATORS? 1 2 9</div> <div>F. ANY OUTREACH THROUGH INFLUENTIAL STAFF? 1 2 9</div> <div>G. ANY OUTREACH OR PREVENTION BY MOH? 1 2 9</div> <div>H. ANY OUTREACH OR PREVENTION BY JAS? 1 2 9</div> <div>I. ANY OUTREACH OR PREVENTION BY RED CROSS? 1 2 9</div> <div>J. ANY OUTREACH BY ANY OTHER ORGANIZATION? 1 2 9</div> <div>K. IF YES: WHAT ORGANIZATION: _____</div>
B25	IN THE PAST 12 MONTHS, HOW OFTEN HAVE CONDOMS BEEN AVAILABLE HERE?	<div>ALWAYS 1</div> <div>SOMETIMES 2</div>



## Event and Site Verification Questionnaire page 7

No.	Questions	Coding Categories
		<div>DON'T KNOW 8</div>
B26	CAN I GET A CONDOM HERE NOW?  IF YES, CAN I SEE ONE?	<div>YES CONDOMS HERE BUT YOU CANT SEE ONE 1</div> <div>YES CONDOMS HERE AND A CONDOM WAS SEEN 2</div> <div>NO CONDOMS HERE NOW 3</div>
B27a	Interviewer Observation:	<div>YES NO</div>
B27b	Evidence Of HIV/AIDS Prevention	<div>A ANY HIV/AIDS POSTERS DISPLAYED? 1 2</div>
B27c	Activities Noted By Interviewer At The Site	<div>B ANY CONDOM PROMOTION OR USE POSTERS? 1 2</div>
B27d		<div>C. CONDOMS VISIBLE? 1 2</div> <div>D CONDOMS FOR SALE ON SITE? 1 2</div>
B28	WOULD YOU LIKE TO GIVE CONTACT INFORMATION IN CASE WE WANT TO DO SOME OUTREACH ACTIVITIES HERE?	<div>DECLINED TO GIVE CONTACT INFORMATION _____</div> <div>NAME: _____ MOBILE: _____</div>
B29	Interviewer Opinion  How Supportive Are Gatekeepers Regarding Safe Sex Practices At The Site?	<div>VERY SUPPORTIVE 1</div> <div>SUPPORTIVE 2</div> <div>NOT SUPPORTIVE 3</div> <div>VERY UNSUPPORTIVE 4</div> <div>DO NOT KNOW 5</div> <div>NO GATEKEEPERS 9</div>
B30	Interviewer's Prevention Suggestions for Place:	



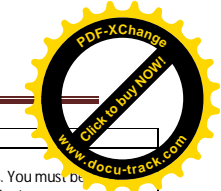
## Worker and Patron Survey page 1

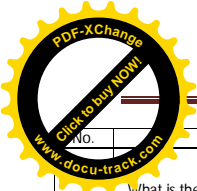
### Worker and Patron Survey

Question		Coding categories			
Q1	Parish of Site or Event:	<u>SOUTHEAST</u> KINGSTON 1 ST ANDREW 2 ST CATHERINE 3 ST THOMAS 8	<u>NORTHEAST</u> ST. MARY 4 ST ANN 5 PORTLAND 7	<u>WESTERN</u> WESTMORELAND 9 HANOVER 10 ST JAMES 13 TRELAWNY 14	<u>SOUTHERN</u> ST ELIZABETH 6 CLARENDON 11 MANCHESTER 12 <u>NA</u> 99
	Q2	Community where site or event is located	Name of Community:		
	Q3A	Original Site Name	Name of Site:		
	Q3B	Original PLACE_ID of Site	PLACE_ID: ____		
	Q4A	(NAME OF REPLACEMENT SITE IF NECESSARY,	Name of Site:		
Q4B	ID OF REPLACEMENT SITE	PLACE_ID: ____			
Q5A	TYPE OF SITE	STREET SW SITE 7 EXOTIC CLUB WITH DANCERS 3 EVENT *8 OTHER (SPECIFY IN Q5B) 9			
Q5B	IF Q5A= OTHER, SPECIFY TYPE OF OTHER SITE	BAR 1 NIGHT CLUB 2 MASSAGE PARLOR 4 FAST FOOD / RESTAURANT 5 INTERNET CAFE/ INTERNET SITE 6 OUTDOOR HANG OUT SPOT 70	HOTEL / MOTEL / GUESTHOUSE 10 CAMPUS SITE 11 MALL / PLAZA 12 OTHER (SPECIFY) 90 B. SPECIFY 90: _____		
Q6	INTERVIEWER	A. INTERVIEWER INITIALS: _____ B. CONSECUTIVE NUMBER FOR SITE: _____			
Q7A	DATE TODAY	____/____/____ day month year			
Q7B	TIME INTERVIEW BEGINS	Hour: ____ Min: ____ Circle: AM or PM			
Q8	PERSON APPROACHED AS: REQUIRED. CIRCLE ONE NUMBER.	FEMALE WORKER (STREET CLUB OR OTHER) 2 MALE PATRON 5 FEMALE PATRON 6			

## Worker and Patron Survey page 2

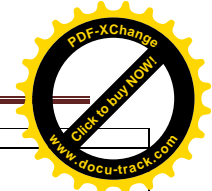
No.	Question	Coding categories
<b>ELIGIBILITY DETERMINATION</b> Hello, I would like to offer you the opportunity to participate in a survey and get tested for sexually transmitted infections. You must be older and you must not have already participated in this survey. You will get a \$300 phone card if you participate.		
9A	Sex of respondent (as perceived by respondent) IF TRANSGENDER, PLEASE NOTE HERE.	MALE 1 FEMALE 2
Q9A	ASK EVERYONE: What is your age? What is your date of birth? IF < 16, STOP INTERVIEW.	A. AGE IN YEARS: ____/ BIRTHDATE: ____/____/____ DAY MONTH YEAR
Q9B	IF AGE 16-17, Are you here with a parent or on a family errand?	STOP, NOT ELIGIBLE IF : YES 1 CONTINUE Q10A IF: NO 2
Q10A	ASK EVERYONE: Have you <u>ever</u> participated in an MOH survey?	CONTINUE Q10B IF: YES 1 REQUEST INFORMED CONSENT IF: NO 2
Q10B	IF YES, Did you participate in <u>this MOH survey</u> ? (PROBE: since September 2011 with a rapid test for HIV and syphilis) ?	STOP INTERVIEW IF: YES 1 REQUEST INFORMED CONSENT IF: NO 2
REQUEST INFORMED CONSENT. RESPONDENT MUST INITIAL CONSENT FORM.		
Q11	Just to confirm, I need to know if you are <u>willing</u> to.... CIRCLE YES OR NO FOR A,B,C,D, (E IF MALE). IF NO TO ANY, STOP INTERVIEW.	YES NO A. ANSWER SURVEY QUESTIONS? 1 2 B. GET AN HIV RAPID TEST? 1 2 C. GET A SYPHILIS RAPID TEST? 1 2 D. FEMALE ONLY: USE A VAGINAL SWAB? 1 2 E. MALE ONLY: PROVIDE A URINE SAMPLE? 1 2
Q12	IF NOT WILLING: Why not? STOP INTERVIEW IF NOT WILLING.	REASON:
Interviewer Administered Questionnaire Begins Here		
Socio-Demographic Characteristics and Employment		
Q13	In what parish do you live now? Or do you live outside Jamaica? CIRCLE CODE.	<u>SOUTHEAST</u> KINGSTON 1 ST ANDREW 2 ST CATHERINE 3 ST THOMAS 8 <u>NORTHEAST</u> ST. MARY 4 ST ANN 5 PORTLAND 7 <u>WESTERN</u> WESTMORELAND 9 HANOVER 10 ST JAMES 13 TRELAWNY 14 <u>SOUTHERN</u> ST ELIZABETH 6 CLARENDON 11 MANCHESTER 12 OUTSIDE JAMAICA 15
Q14	In what community do you live in that parish?	





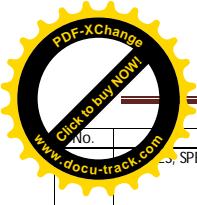
## Worker and Patron Survey page 3

No.	Question	Coding categories
Q15	What is the highest grade you completed in primary school, in secondary school, and at post-secondary tertiary level?  FILL IN NUMBER OF YEARS FOR EACH.	NONE/ NO FORMAL SCHOOL: 0 PRIMARY SCHOOL (1-6): _____ SECONDARY SCHOOL (7-13): _____ TERTIARY (Number of years): _____
Q16	Are you in school now?	YES 1 NO 2
Q17A	Why did you come here today/tonight? Did you come to.....  CIRCLE YES OR NO FOR EACH.	YES NO TO SOCIALIZE? 1 2 TO DRINK ALCOHOL? 1 2 LOOK FOR A SEXUAL PARTNER? 1 2 TO WORK? 1 2
Q17B	IF WORKING, WHAT KIND OF WORK DO YOU DO?	DESCRIBE IN 1-2 WORDS.
Q18	How often do you come to this site? READ OPTIONS CIRCLE 1 ANSWER.	EVERYDAY 1 4-6 TIMES PER WEEK 2 2-3 TIMES PER WEEK 3 1 TIME PER WEEK 4 2-3 TIMES PER MONTH 5 1 TIME PER MONTH 6 LESS THAN ONCE A MONTH 7 THIS IS MY FIRST VISIT 8
Q19	How many other public places have you been to today to socialize, drink alcohol or look for a person to have sex with?  How many other public places do you plan to go to today or tonight to socialize, drink alcohol or look for a person to have sex with? PUT '0' IF NO OTHER PLACES.	A. OTHER PLACES BEEN TO: _____  B. OTHER PLACES WILL GO TO: _____
Q20	Are you employed full-time, part-time, or not at all?	FULL-TIME 1 PART-TIME 2 NOT EMPLOYED 3
Sexual Partnerships and Condom Use		
Q21	Have you ever had sex? IF NO, SKIP TO Q41.	YES 1 NO 2
Q22	How old were you the first time you had sex?	AGE FIRST HAD SEX: : _____
Q23	Do you have a main <u>male</u> sexual partner now?  Do you have a main <u>female</u> partner?	YES NO MAIN MALE PARTNER 1 2 MAIN FEMALE PARTNER 1 2



## Worker and Patron Survey page 4

No.	Question	Coding categories
Q24	The last time you had sex with your (most recent) main partner, did you and your partner use a condom?	YES 1 NO 2 NO MAIN PARTNER 9
Q25	Do you believe that your main partner (any of your main partners) has had sex with another person in the past 6 months?	YES 1 NO 2 NO MAIN PARTNER 9
Q26	In the past <u>12 months</u> , have you had sex with a person who you never had sex with before?	YES 1 NO 2
Q27	Now I am going to ask you a few more questions about the number of persons you have had sex with. In total, how many persons did you have sex with in the past 7 days? This includes all the persons you have had sex with even if just one time.	TOTAL IN PAST 7 DAYS: _____
Q28	In total, how many persons did you have sex with in the past 4 weeks? This includes all the persons you have had sex with.  THIS NUMBER SHOULD BE THE SAME OR GREATER AS Q 27. IF NOT, PROBE!	TOTAL PAST 4 WEEKS: _____
Q29	Of the _____ (INSERT FROM Q28) persons you had sex with in the past 4 weeks, how many of these were new persons you had never had sex with before? That is, you had sex with them for the first time in the past 4 weeks.  THIS NUMBER SHOULD BE THE SAME OR LESS AS IN Q 28. IF NOT, PROBE!	NEW IN PAST 4 WEEKS: _____
Q30	In total, with how many persons did you have sex with in the past 12 months? This includes all the persons you have had sex with.  HELP PERSON ESTIMATE.	TOTAL PAST 12 MONTHS: _____
Q31	Do you have a (male) condom with you now? IF YES: May I see it?	YES, CONDOM SEEN 1 YES, CONDOM NOT SEEN 2 NO 3
Q32	Have you (or your partner) used a female condom in the past 6 months, past year or never?	PAST 6 MONTHS 1 PAST YEAR 2 NEVER 3
Q33	FEMALE ONLY:  Are you currently using a family planning method apart from condoms?	NO, NO FP METHOD 0 YES: PILLS 1 YES: INJECTION 2

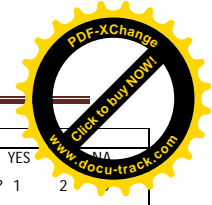


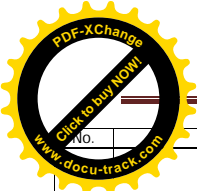
## Worker and Patron Survey page 5

No.	Question	Coding categories
	Q3. SPECIFY METHOD.	YES: IUD 3 YES; OTHER (SPECIFY): _____
Sex Worker Specific Questions		
Q34	ASK EVERYONE WHO HAS EVER HAD SEX. Sometimes people have sex with someone in exchange for gifts or help with expenses or cash money. Have you....	YES NO A. EVER RECEIVED GIFTS OR FAVORS IN EXCHANGE FOR SEX? 1 2 B. EVER RECEIVED HELP WITH EXPENSES? 1 2 C. EVER <u>RECEIVED</u> CASH MONEY IN EXCHANGE FOR SEX? 1 2 D. EVER PAID CASH MONEY FOR SEX? 1 2
Q35	If <u>RECEIVED</u> CASH MONEY : Have you RECEIVED cash money by a person for sex in the past 3 months? If NO: In the past 6 months? IF NOT IN PAST 6 MONTHS, SKIP TO Q41.	YES NO NA A. PAST 3 MONTHS? 1 2 B. PAST 6 MONTHS? 1 2 9
Q36	In the past 6 months, in which parishes did you receive cash for sex? CIRCLE EACH.	KINGSTON 1 ST ANDREW 2 ST CATHERINE 3 ST. MARY 4 ST ANN 5 ST ELIZABETH 6 PORTLAND 7 ST THOMAS 8 WESTMORELAND 9 HANOVER 10 CLARENDON 11 MANCHESTER 12 ST JAMES 13 TRELAWNY 14 OUTSIDE JAMAICA 15
Q37	In the past 3 months, at how many different bars and clubs did you look for men to pay you cash for sex?	NUMBER OF BARS AND CLUBS:
Q38	In the past 3 months, at how many different street sites did you look for men to pay you cash for sex?	NUMBER OF STREET SITES:
Q39	The last time you had sex with a new paying partner, did you and your partner use a condom?	YES 1 NO 2
Q40	The last time you had sex with a regular paying partner, did you and your partner use a condom?	YES 1 NO 2 NOT APPLICABLE 9
Current Symptoms & Participation In Health Programs And Testing & HIV Knowledge: Every One		
Q41	A. Have you had a genital discharge, ulcer, sore, warts, pain or burning when you urinate anytime in the past 3 months? B. IF NO: Anytime in the past 12 months? IF NO: CIRCLE 9's IN Q42.	YES NO N/A A. PAST 3 MONTHS? 1 2 B. PAST 12 MONTHS? 1 2 9

## Worker and Patron Survey page 6

No.	Question	Coding categories
Q42	Which of the following did you do the last time you had a discharge, ulcer or sore? READ EACH.	YES NA A. GET DRUGS WITHOUT PRESCRIPTION? 1 2 B. GO TO A PUBLIC HEALTH CARE PROVIDER? 1 2 9 C GO TO A PRIVATE DOCTOR? 1 2 9 D. HAVE SEX WHILE HAD SYMPTOMS? 1 2 9
Q43	Have you been told by a health care worker in the past 12 months (SINCE MONTH YEAR) that you had a sexually transmitted infection? IF YES, CIRCLE 1. If NO, Have you ever been told? CIRCLE 2 IF EVER or 3 IF NEVER.	YES, PAST 12 MONTHS 1 YES, BUT NOT IN PAST 12 MONTHS 2 NEVER 3
Q44	Do you know where you can go if you wish to receive an HIV test?	YES 1 NO 2
Q45	Not including today, have you had an HIV test in the past 12 months? IF YES, CIRCLE 1. IF NO: Have you ever had a test? CIRCLE 2 IF EVER or 3 IF NEVER.	YES, IN PAST 12 MONTHS 1 YES, EVER HAD A TEST 2 NO, NEVER HAD A TEST 3
Q46	IF NEVER TESTED, CIRCLE 9 AND GO TO Q48.. The last time you were tested, did you get your result? If so, were you counseled when you got your result?	DID NOT GET RESULT 1 GOT RESULT AND WAS <u>COUNSELED</u> 2 GOT RESULT BUT <u>NOT COUNSELED</u> 3 NEVER TESTED 9
Q47	ASK BOTH OF THESE QUESTIONS: Did you tell your main partner the results of the your last HIV test (not including the test today)? CIRCLE 1. Did you tell any of your friends, family or co-workers? CIRCLE 1.	MAIN PARTNER? YES 1 NO 2 NA 9 ANY FRIENDS, FAMILY, ? YES 1 NO 2
Q48	During the last 4 weeks how often have you had drinks containing alcohol? Would you say daily, weekly, less than weekly, or never?. CIRCLE ONE CODE.	DAILY 1 WEEKLY 2 LESS THAN WEEKLY 3 NEVER 4
Q49	In the past 6 months since (MONTH YEAR), have you..... ASK EACH. CIRCLE YES OR NO FOR EACH.	YES NO A. INJECTED ANY NON-PRESCRIPTION DRUGS? 1 2 B. USED CRACK OR COCAINE? 1 2 C. USED GANGA? 1 2 D. USED ECSTACY? 1 2



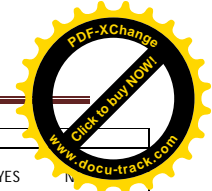


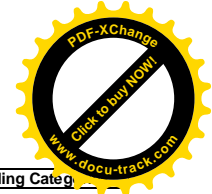
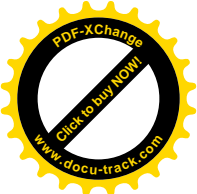
## Worker and Patron Survey page 7

No.	Question	Coding categories
Q50	Have you <u>ever</u> :	<div>A.SLEPT OUTDOORS OR IN A SHELTER BECAUSE YOU WERE HOMELESS? 1 2</div> <div>B.SPENT A NIGHT IN A JAIL OR PRISON? 1 2</div> <div>C. BEEN RAPED? 1 2</div>
Q51	I want to know if you have been a part of any HIV/AIDS prevention programs in the past 6 months. In the past 6 months, have you.....	<div>A. ATTENDED AN HIV/AIDS EDUCATIONAL SESSION OR WORKSHOP? 1 2</div> <div>B. SEEN ANY AIDS PREVENTION POSTER AT YOUR CURRENT WORKSITE? 1 2</div> <div>C. PARTICIPATED IN A CONDOM DEMONSTRATION? 1 2</div> <div>D. HAVE YOU SEEN THIS RISK CARD? 1 2</div> <div>WORKERS ONLY: HAVE YOU TALKED WITH AN OUTREACH WORKER <u>AT YOUR CURRENT WORK SITE</u></div> <div>E. ABOUT YOUR RISK OF GETTING HIV/AIDS? 1 2 9</div> <div>F. ABOUT GETTING TESTED FOR HIV? 1 2 9</div>
Q52	<div>A. Can using condoms reduce the risk of HIV transmission?</div> <div>B. Can a healthy looking person be infected with HIV?</div> <div>C. Can a person get HIV from mosquito bites?</div> <div>D. Can a person get HIV by sharing a meal with someone who is infected?</div> <div>E. Can having sex with only one faithful, uninfected partner reduce the risk of HIV transmission?</div>	<div>YES NO DON'T KNOW</div> <div>A. 1 2 9</div> <div>B. 1 2 9</div> <div>C. 1 2 9</div> <div>D. 1 2 9</div> <div>E. 1 2 9</div>
READ: Now I would like to ask you a few more questions to finish this part of the survey.		
Q53	<div>Are you currently married or living with a partner?</div> <div>IF NO: Have you ever been married or lived with a sexual partner?</div>	<div>CURRENTLY MARRIED / LIVING WITH 1</div> <div>PREVIOUSLY MARRIED/LIVED WITH, NOT NOW 2</div> <div>NEVER MARRIED OR LIVED WITH 3</div>
Q54	<div>What is the age of your oldest child?</div> <div>Specify month and year of birth of your oldest child.</div>	<div>AGE: _____ MONTH: _____ YEAR: _____</div> <div>IF NO CHILD CIRCLE: 99</div>
Q55	Interviewer assessment of socioeconomic status of respondent on a scale of 1-10. 10 is very rich and 1 is extremely poor. Use own judgment.	1-10: _____
READ: I would like you to answer 6 questions privately on a card that I will give you. I will read the question and you should write down your honest answer using a pen that I will give you. I'll read the questions and the answers. You should choose an answer and circle your response on the card. When we are finished with the card, you fold it and put it in this envelope. I cannot see your answers. Nobody can link the responses to you so there is no reason to give a false answer. We really want to know the truth. Some of the questions may seem repetitive but please be patient.		
Q56	<div>ASK EVERYONE:</div> <div>Are you willing and able to mark your answers on the card?</div>	<div>YES 1 NO 2</div>

## Worker and Patron Survey page 8

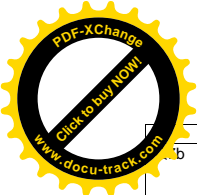
No.	Question	Coding categories
A1	The last time you had sex with your main partner, did you and your partner use a condom? IF YOU DO NOT HAVE A MAIN PARTNER, CIRCLE NOT APPLICABLE.	<div>YES NO</div> <div>NOT APPLICABLE.</div>
A2	In the past 3 months, have you paid someone cash money for sex?	<div>YES NO</div>
A3	In the past 3 months, have you <u>been paid</u> cash money for sex?	<div>YES NO</div>
A4	The last time you paid or were paid cash money for sex, did you use a condom?	<div>YES NO NOT APPLICABLE</div>
A5	In the past 6 months have you had sex with only men, only women, or both men and women?	<div>ONLY MEN ONLY WOMEN BOTH MEN &amp; WOMEN</div>
A6	What types of sex have you had in the past year? Have you had oral sex? Anal sex? Penile-Vaginal sex?	<div>ORAL ANAL PENIS TO VAGINA</div>
A7	The last time you had penis to vaginal sex, did you or your partner use a condom?	<div>YES NO NEVER PENIS TO VAGINA SEX</div>
A8	The last time you had anal sex, did you or you partner use a condom?	<div>YES NO NEVER ANAL SEX</div>
A9	What was the result of your most recent HIV test not including the test today?	<div>POSITIVE NEGATIVE NEVER TESTED</div>
A10	In the past 12 months, have you had sex with more than one person?	<div>YES NO</div>
Thank you for participating. Now we need to get a specimen, either a swab or a urine sample.		
TIME ENDED: HOUR: ____ / ____ MINUTE ____ / ____ AM / PM		
Checked by Supervisor: _____ Date: _____		
Entered by Data entry person: _____		
INTERVIEWER COMMENTS.		
ORIGINAL Q8	PERSON APPROACHED AS:	<div>WORKER IN INDOOR SITE MALE 1 FEMALE 2</div> <div>WORKER IN OUTDOOR SITE 3 4</div> <div>PATRON IN INDOOR SITE 5 6</div> <div>PATRON IN OUTDOOR SITE 7 8</div>



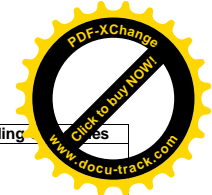


## MSM Survey

	MSM SURVEY Questions	Coding Category
Q1	STICKER:	
Q2	Interviewer Gender	MALE 1 FEMALE 2
Q2a	Interviewer Name and Number:	a. NAME: _____
Q2b	PUT STICKER FOR INTERVIEWER NUMBER-SEQUENTIAL INTERVIEW HERE>	b. _____
Q3a	City or Parish of Interview  INTERVIEWER FILLS OUT Q2-Q7 BEFORE ASKING FIRST QUESTION.	a. KINGSTON/ST ANDREW 1 OCHO RIOS 2 MONTEGO BAY 3 NEGRIL 4 MANDEVILLE 5 OTHER: 6
Q3b	RECORD OTHER LOCATION.	
Q3c	USE COMMUNITY CODES ON FORM 16.	b. OTHER (SPECIFY): _____ c. COMMUNITY CODE: _____
Q4a	Time Interview Begins: CIRCLE AM OR PM.	a. HOUR: _____ : MIN: _____ AM / PM
Q4b	Date of interview (DD/MM/YY)	b. ____ / ____ / ____ DD MM YY
<b>REVIEW FACT SHEET NOW.</b>		
Q5a	Were you given a letter of invitation to participate in this survey or an appointment card?	a. NO, NOT INVITED BY LETTER OR CARD 1 YES, INVITED BY LETTER/CARD DIDN'T SEE LETTER/CARD 2
Q5b	IF YES: May I see the letter or appointment card? RECORD NUMBER.	b. RECORD NUMBER ON LETTER/CARD HERE: _____
Q6	We would like people to ask their main sexual partners and other sexual partners into the study as well as other men who have sex with whom they know. Was the person who asked you to be in the study a main sexual partner, someone else you have ever had sex with, or someone else who knows you?	MAIN PARTNER 1 OTHER PARTNER 2 SOMEONE WHO KNOWS ME 3
<b>FILL IN RECRUITMENT LOG NOW and THEN CONTINUE WITH ELIGIBILITY SECTION BELOW.</b>		
Q7a	a. Now let me confirm that you are eligible to participate. How old were you on your last birthday? b. On what day, month and year were you	a. AGE IN YEARS: _____ b. ____ / ____ / ____ Day Month Year of Birth

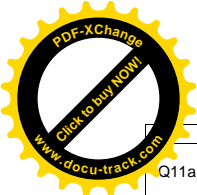


MSM SURVEY Questions		Coding Categories	
Q7b	bom?		
Q7c	c. Do you consider yourself a man who has sex with men or have you ever had sex with a man? PROBE IF NECESSARY. CIRCLE 1 OR 2.	c.	MSM: YES 1 MSM: NO 2
Q7d	d. Have you ever previously participated in a survey where you were asked to give a blood and urine sample?  IF YES: How long ago was that survey?	d.	NEVER SURVEY 0 YES, WITHIN 6 MONTHS 1 YES, ABOUT 2-3 YEARS AGO 2 OTHER: 8
Q7e	INTERVIEWER: CHECK ELIGIBILITY. YOU MUST CIRCLE 1, 2, 3 or 4.  PERSONS MAY NOT BE SURVEYED WITH THIS SURVEY MORE THAN ONE TIME IN A 6 MONTH PERIOD. IF PERSON BRINGS A RECRUITMENT LETTER/CARD BUT DENIES BEING MSM, CALL CAROL.	e. ELIGIBILITY CHECK:	ELIGIBLE: IS MSM AND AGE ≥ 16 1 NOT ELIGIBLE: NOT MSM 2 NOT ELIGIBLE: <16 YEARS 3 NOT ELIGIBLE: PARTICIPATED WITHIN 6 MON 4
*	IF PERSON IS NOT ELIGIBLE BECAUSE: <ul style="list-style-type: none"><li>HE IS NOT MSM,</li><li>HE IS &lt; 16 YEARS OR</li><li>HE PARTICIPATED IN THIS SURVEY WITHIN THE PAST 6 MONTHS,</li></ul> THANK THE PERSON AND END THE INTERVIEW. TURN IN THE QUESTIONNAIRE & PARTICIPANT BAG. DO NOT RE-USE.		
Q8a	You are <u>eligible</u> to participate. Now I need to know if you are <u>willing</u> to participate. That is, you are willing to answer some questions and provide a urine and a blood sample.		YES NO
Q8b		a. WILLING FOR INTERVIEW?	1 2
Q8c	EXPLAIN INFORMED CONSENT. IF PERSON OBJECTS BECAUSE HE KNOWS HE IS HIV- POSITIVE, SAY BLOOD SAMPLE NEEDED FOR SYPHILIS TEST.	b. WILLING TO GIVE BLOOD?	1 2
Q8d	DID RESPONDENT INITIAL INFORMED CONSENT? CIRCLE YES OR NO FOR EACH.  IF YES FOR Q8a-Q8d, GO TO Q9	c. WILLING TO GIVE URINE?	1 2
		d. INITIALED CONSENT FORM?	1 2
Q8e	IF NO FOR Q8a,b,c,or d, ASK:  Why are you not willing?	e.	

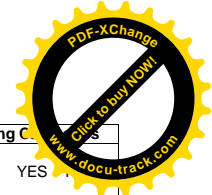


MSM SURVEY Questions	Coding Categories
IF NO FOR ANY REASON, SAY:  You have said you do not want to participate now. If you want to give me contact information, we can call you for a future meeting.  TEAR OFF THIS FRONT PAGE 1-2 AND GIVE TO THE RESPONDENT TO WRITE IN HIS NAME AND PHONE NUMBER. THEN PUT PAGE 1-2 ONLY INTO A SEALED ENVELOPE.	
NAME:	PHONE:
END THE INTERVIEW IF THE PERSON IS NOT WILLING TO BE INTERVIEWED, GIVE BLOOD, AND GIVE A URINE SAMPLE.	

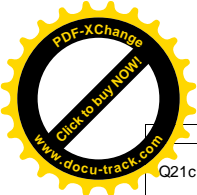
Questions		Coding Categories		
*	READ: The next questions are about recent health symptoms and your use of health services and participation in health programs. We are asking about symptoms because we want to know what kinds of symptoms people are having, if any. If you become uncomfortable or change your mind about participating, you can stop the interview at any time.			
Q9a	Sometimes people have symptoms such as an unusual discharge or leak from their penis or bottom or sores in these areas. Apart from cumming, do you <u>now</u> have.....	SYMPTOM:	NOW?	EVER?
Q9b			YES	YES NO
Q9c	a. DISCHARGE OR LEAK FROM PENIS		1	2 3
Q9d	b. DISCHARGE OR LEAK FROM ANUS		1	2 3
Q9e	c. PAIN OR BURNING WHEN YOU URINATE/PEE		1	2 3
	d. ULCER /SORE ON THE PENIS/ANUS		1	2 3
	e. GENITAL OR ANAL WARTS		1	2 3
	CIRCLE 2 OR 3.	EACH SYMPTOM SHOULD BE CODED 1, 2, OR 3.		
Q10a	IF PERSON CURRENTLY HAS A SYMPTOM (Q9A,B,C,D,or E =1) ASK:		YES	NO NA
Q10b	a. GO TO A PRIVATE DOCTOR?		1	2 9
Q10c	Have you done anything to treat the symptoms you have now? Did you...	b. GO TO AN MOH HEALTH CENTER?	1	2 9
Q10d	READ EACH.	c. GO ANYWHERE ELSE FOR TREATMENT?	1	2 9
Q10e	IF NO CURRENT SYMPTOMS IN Q9 SAY:	d. GET EXAMINED BY A HEALTH CARE PROVIDER	1	2 9
Q10f		e. TAKE DRUGS PRESCRIBED BY A DOCTOR?	1	2 9
Q10g	Think about the last time you had one of these symptoms. Did you do anything to treat it? READ EACH.	f. TAKE UNPRESCRIBED DRUGS?	1	2 9
		g. TELL YOUR MAIN PARTNER?	1	2 9
	IF THE RESPONDENT NEVER HAD ANY SYMPTOMS, CIRCLE 9's.			



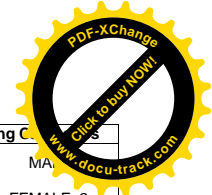
	Questions	Coding Categories
Q11a	Since (GIVE DATE OF 12 MONTHS AGO) have you been to a health center for care or treatment for <u>any</u> health problem? IF NO SKIP TO Q11c.	YES 1 NO 2
Q11b	Overall, were you satisfied with the care that you received at the health center(s)? Were you....  READ EACH	EXTREMELY SATISFIED 1 SATISFIED 2 UNSATISFIED 3 EXTREMELY UNSATISFIED 4
Q11c	Have you been to one of the JAS Clinics for clinical or treatment services since Sept 2010?  IF YES: Which clinic did you go to?	YES, MO BAY CLINIC 1 YES, KINGSTON CLINIC 2 YES, ST. ANN CLINIC 3 NO 4
Q12	(Even if you have not had symptoms) has a doctor <u>ever</u> told you that you have a sexually transmitted infection?	YES 1 NO 2
Q13a	You don't have to tell me the result, but before today had you <u>ever</u> had an HIV test?	YES 1 NO 2
Q13b	IF EVER TESTED: Before today, when were you most recently tested?  READ OPTIONS.	WITHIN THE PAST 12 MONTHS 1 OVER 12 MONTHS AGO, < 2 YEARS AGO 2 2-4 YEARS AGO 3 FIVE OR MORE YEARS AGO 4 NEVER TESTED 9
Q13c	IF EVER TESTED The <u>last time</u> you were tested did you get your result?  CIRCLE 1 OR 2. CIRCLE 9 IF NEVER TESTED.	YES, GOT RESULT 1 NO, DID NOT GET RESULT 2 NEVER TESTED 9
Q13d	IF GOT RESULT: Were you counseled when you got your result?  CIRCLE 1 OR 2. CIRCLE 9 IF NOT APPLICABLE.	YES COUNSELED 1 NOT COUNSELED 2 NOT APPLICABLE 9
Q14	Have you previously attended a Men's Health Workshop sponsored by the Ministry of Health since 2008? a. IF YES, Where was it (Parish)?	YES 1 NO 2 a. Parish: _____
Q15a	In the past 12 months (SINCE GIVE DATE OF 12 MONTHS AGO) have you personally received any information about how to prevent transmission of HIV from someone at the Ministry of Health?	YES NO MOH? 1 2
Q15b	Have you received any information from any other health service organization?	OTHER? 1 2



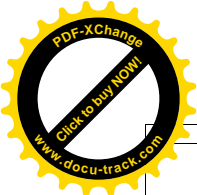
	Questions	Coding Categories
Q15c	In the past 12 months (SINCE GIVE DATE OF 12 MONTHS AGO) have you been given any information or had any contact with JAS?	YES 1 NO 2
Q15d	Did you attend a JAS workshop?	INFORMATION/CONTACT? 1 2 WORKSHOP? 1 2
Q15e	In the past 12 months (SINCE GIVE DATE OF 12 MONTHS AGO) have you been given any information or had any contact with the RED CROSS?	YES NO INFORMATION/CONTACT? 1 2
Q15f	Did you attend a RED CROSS workshop?	WORKSHOP? 1 2
Q16	Have you ever seen this risk card?	YES 1 NO 2
Q17	Have you ever used a condom?	YES 1 NO 2
Q18	Do you keep condoms at home?	YES 1 NO 2
Q19	Do you have a condom with you now?  IF YES: May I see it?	CONDOM WITH ME BUT YOU CANT SEE 1 YES AND CONDOM SEEN 2 NO CONDOM WITH ME 3
Q20	Even if you often use condoms, think back to the last time that you had anal sex when you did NOT use a condom. How long has it been since you had anal sex, either top or bottom, <u>without</u> a condom?  Have you had sex without a condom...  READ EACH UNTIL PERSON ANSWERS YES.	In the past 24 hours? 1 In the past 48 hours? 2 In the past 4 weeks? 3 In the past 3 months? 4 In the past 6 months? 5 In the past 7-12 months ago? 6 Over a year ago? 7 Over 5 years ago? 8 NEVER HAD SEX WITHOUT A CONDOM 9
Q21a	We also need to know whether you use lubricants or not. Have you ever used a lubricant during anal sex?	YES 1 IF NO, SKIP TO Q22a. NO, NEVER 2
Q21b	In the past three months, how often did you use lubricants during anal sex? Please tell me if you have not had sex in the past 3 months.  READ OPTIONS	DID NOT USE IN THE PAST 3 MONTHS 1 LESS THAN HALF THE TIME 2 HALF THE TIME 3 MORE THAN HALF THE TIME 4 ALMOST ALWAYS 5 ALWAYS 6 NO SEX IN THE PAST 3 MONTHS 8



Questions		Coding Categories							
		YES	NO	NA					
Q21c	Which of the following have you used as a lubricant in the past 3 months? Any other types of lubricants?	c. KY JELLY	1	2	9				
Q21d		d. EVE	1	2	9				
Q21e	READ EACH TYPE AND ANSWER YES OR NO FOR EACH.	e. SPIT	1	2	9				
Q21f		f. VASELINE	1	2	9				
Q21g	IF NO LUBRICANT IN PAST 3 MONTHS	g. OTHER?:	1	2	9				
Q21h	CIRCLE 9's	h. SPECIFY OTHER: _____							
EACH SUBSTANCE MUST BE CODED O-5. USE RESPONSE CARD (FORM 5).		HOW OFTEN IN THE PAST 3 MONTHS:					EVER?		
Q22a	FOR EACH, ASK: How often have you used (SUBSTANCE) in the past 3 months?	SUBSTANCES	DAILY	WKLY	MTHLY	<MTHLY	NONE	Yes/No	
Q22b		a. GANJA/ MARIJUANA	1	2	3	4	5	6 7	
Q22c	Tell me if you used it daily, weekly, monthly, less than monthly, or not at all in the past 3 months. CIRCLE 1-5.	b. CRACK/ COCAINE	1	2	3	4	5	6 7	
Q22d		c. ECSTASY	1	2	3	4	5	6 7	
Q22e	IF 5: If you have not used it in the past 3 months, have you ever used it? CIRCLE 6 or 7.	d. CRYSTAL/METH	1	2	3	4	5	6 7	
		e. ALCOHOL	1	2	3	4	5	6 7	
Q23a	a. Have you ever injected (non-prescription) drugs?	YES NO NA							
Q23b	b. IF YES: Have you injected in the past 12 months since <MONTH/YEAR>?	a. EVER INJECTED? 1 2 --							
		b. INJECTED PAST 12 MONTHS? 1 2 9							
Q24	In the past 12 months, how often have you gone to bars and clubs? I'm interested in how often you go to public bars and clubs open to the general public.	MORE THAN ONCE A WEEK 1							
		ONCE A WEEK 2							
		ONCE A MONTH 3							
	READ OPTIONS. IF NEVER, GO TO Q26a.	LESS THAN ONCE PER MONTH 4							
		NEVER 5							
Q25a	Which of these bars or clubs do you visit most frequently?	a. NAME OF BAR/CLUB: _____							
Q25b		b. COMMUNITY: _____							
Q25c		c. PARISH: _____							
<b>READ:</b> Thank-you very much. Now we are moving on to the next part of the questionnaire about your sexual partners. There are no right or wrong answers here. Please give us the most accurate information that you can. This information will help us better plan programs about providing care. I will be asking about anal sex with men and vaginal sex with women. To make sure that you understand the questions, let me go over what I mean by anal and vaginal sex. Anal sex is when a man puts his penis in another man's bottom or butt. Vaginal sex is when a man puts his penis in a woman's vagina. Please ask me to clarify a question if you do not understand it.									
Q26a	First of all, do you have a main male or female sexual partner?	YES, MAIN PARTNER 1							
	PROBE CAREFULLY. IF NO MAIN PARTNER SKIP TO Q27.	NO MAIN PARTNER 2							



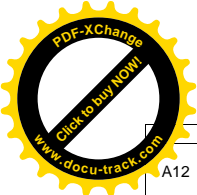
Questions		Coding Categories			
		MALE	FEMALE		
Q26b	Is your main partner male or female? Or do you have both a main female partner and a main male partner?	FEMALE 2			
		BOTH MALE AND FEMALE 3			
Q26c	c. When did you last have anal sex with your current main male partner?	c. MALE LAST	d. MALE FIRST	e. FEMALE LAST	f. FEMALE FIRST
Q26d	d. When did you first have anal sex with your current main male partner?	1	1	1	1
Q26e	e. When did you last have vaginal sex with your main female partner?	2	2	2	2
Q26f	f. When did you first have vaginal sex with your main female partner?	3	3	3	3
		4	4	4	4
		5	5	5	5
		6	6	6	6
		7	7	7	7
Q26g	The last time you had anal sex with your main male partner, did either of you use a condom?	g. MALE YES 1 h. FEMALE YES 1			
Q26h	The last time you had vaginal sex with your main female partner, did you use a condom?	NO 2			
		NO MAIN PARTNER 9			
Q26i	Do you think that your main male partner has had sex with another person in the past 6 months?	YES 1			
		NO 2			
		NO MAIN MALE PARTNER 9			
Q26j	Do you think that your main female partner has had sex with another person in the past 6 months?	YES 1			
		NO 2			
		NO MAIN FEMALE PARTNER 9			
Q27a	Is there a man or a woman (other than your main partner if you have a main partner) with whom you have had sex at least 3 times in the past three months?	a. MAN YES 1 b. WOMAN YES 1			
Q27b		NO 2			
Q28a	In the past 12 months since < MONTH AND YEAR OF 12 MONTHS AGO>, have you met a new male sexual partner at a...	YES NO			
Q28b		a. MSM PARTY	1 2		
Q28c		b. PRIVATE HOME	1 2		
Q28d	READ EACH TYPE OF PLACE. CIRCLE YES OR NO FOR EACH TYPE OF PLACE.	c. BAR OR CLUB	1 2		
Q28e		d. ON THE INTERNET	1 2		
Q28f	Any other places? IF YES: SPECIFY TYPE OF PLACE.	e. STREET	1 2		
		f. OTHER:	1 2		
		SPECIFY::			



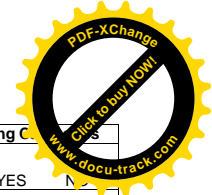
	Questions	Coding Categories
Q28g	Do you have a profile on any of these internet websites? READ LIST.	YES NO
	On any other internet websites? IF YES, SPECIFY.	Facebook 1 2
		Twitter 1 2
		Hi-Five 1 2
		Adam for Adam 1 2
		OTHER 1 2
		SPECIFY: _____
		SPECIFY: _____
Q29a	Now let me ask you about the number of men you have had anal sex with in the past four weeks. Some people have not had sex with anyone in the past 4 weeks and some people have had sex with quite a few men. Think about all the men you have had anal sex with in the past four weeks, since <GIVE DATE OF 4 WEEKS AGO>, including men you only had sex with one or two times and men you have sex with regularly. In total, how many men have you had anal sex with in the past 4 weeks?	4 WEEKS
Q29b	How many of these _____ men (NUMBER FROM 29A) are men you had never had anal sex with previously? That is, the first time you had sex with the man was in the past four weeks.	a. TOTAL MEN: _____
	IF NONE CODE 0.	b. NEW MEN: _____
Q29c	Thinking back over the past year, approximately how many men have you had anal sex within the past 12 months, since <GIVE DATE OF 12 MONTHS AGO>.	12 MONTHS
Q29d	Of these, how many were new partners in the past 12 months? How many men did you have sex with in the past 12 months, since <GIVE DATE OF 12 MONTHS AGO>, that you had not had sex with before? HELP PERSON APPROXIMATE. DO NOT LEAVE BLANK.	c. TOTAL MEN: _____
		d. TOTAL NEW: _____
Q29e	The <u>last time</u> you had anal sex did you or your partner use a condom?	YES 1
		NO 2
Q30a	Approximately how many different women (born as a woman) have you had sex with in the past 4 weeks?	4 WEEKS
	HELP PERSON. DO NOT LEAVE BLANK. IF NONE, CODE ZERO.	a. TOTAL WOMEN: _____
Q30b	In the past 12 months, have you had sex with a woman you were living with or married to at the time?	YES 1
		NO 2
Q30c	Approximately how many different women (born as a woman) have you had sex with in the past 12 months?	12 MONTHS
	IF NONE CODE ZERO.	b. TOTAL WOMEN: _____
Q30d	The last time you had sex with a woman, did you use a condom? If you have never had sex with a woman, let me know.	YES 1
		NO 2
		NEVER WITH A WOMAN 9



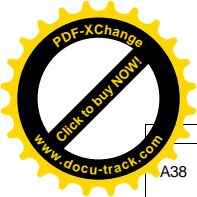
	Questions	Coding Categories
<b>READ:</b> I would like you to answer the next few questions privately on a card that I will give you. I will read the question and you should write down your honest answer using a pen that I will give you. I'll read the question and the possible answers. You should choose an answer and mark or circle your response on the card. When we are finished, you will fold the card and put it in this envelope. I cannot see your answers. Nobody can link the responses to you. We really want to know the truth. Some of the questions may seem repetitive but please be patient.		
Q31	INDICATE HERE IF THE RESPONDENT IS ANSWERING ON THE CARD OR YOU ARE RECORDING ANSWERS ON THE QUESTIONNAIRE. IT IS BETTER IF THE RESPONDENT FILLS OUT THE CARD UNLESS THE RESPONDENT CANNOT READ OR WRITE.	RESPONDENT ON CARD 1 INTERVIEWER ON QUES 2
<b>SELF –COMPLETED ANSWER SHEET STARTS NOW.</b>		
A1	To what extent do you think that you are at risk of becoming HIV infected? Do you have.....  READ EACH OPTION.  READ: Please CIRCLE 0, 1, 2, 3, or 4.	NO CHANCE OF GETTING HIV 0 LITTLE CHANCE OF GETTING HIV 1 MODERATE CHANCE OF GETTING HIV 2 GOOD CHANCE OF GETTING HIV 3 ALREADY INFECTED 4
A2	How many men in the past 12 months, since <DATE OF 12 MONTHS AGO>, did you have anal sex with who were "one night stands", that is, men you had sex with only one time? If none, write zero.	NUMBER 1 NIGHT: _____
A3	In the past 12 months (SINCE GIVE DATE OF 12 MONTHS AGO), have you had anal sex with two different men within a 72 hour time period (3 days)? You might have had sex with one man on Friday and a different man on Saturday or Sunday. Please circle "Yes" or "No" on the answer sheet.	YES NO
A4.1	In the past 12 months (SINCE DATE—GIVE DATE OF 12 MONTHS AGO) , what is the age of the oldest man you had anal sex with and what is the age of the youngest man you had anal sex with?	A3. OLDEST: _____
A4.2		A4. YOUNGEST: _____
A5	At what age did you first have anal sex with a man?	AGE: _____
A6	In the past 12 months, what kind of sex have you had with a man?	A6. ANAL ON BOTTOM? YES NO
A7		A7. ANAL ON TOP? YES NO
A8	READ EACH TYPE. ASK PERSON TO CIRCLE YES OR NO FOR EACH.	A8. VERSED – BOTH TOP AND BOTTOM? YES NO
A9		A9. ORAL? YES NO
A10	The last time you had anal intercourse when you were the receiver/bottom, did your partner use a condom? IF you have <b>never</b> been the receiver in anal sex, circle NOT APPLICABLE.	YES NO NOT APPLICABLE
A11	The last time you had anal intercourse when you were the <u>top</u> , did you use a condom? IF you have <b>never</b> been the inserter, top in anal sex, circle NOT APPLICABLE.	YES NO NOT APPLICABLE



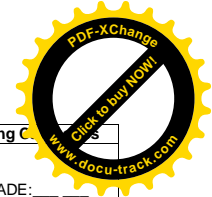
	Questions	Coding Categories
A12	The last time you had anal sex with a man, was the man your main partner, a new first-time partner or neither a main partner or a first-time partner? Please circle Main, New or Neither	MAIN PARTNER NEW PARTNER NEITHER
A13	In the past 4 weeks, how frequently did you have anal sex? Circle the response that is most accurate for you. READ CHOICES.	DAILY 4-6 TIMES PER WEEK 1-3 TIMES PER WEEK LESS THAN ONCE A WEEK NEVER
A14	How many times did you have sex in the past 7 days? If you did not have anal sex in the past 7 days, write 0.	NUMBER OF TIMES:___
A15	In the last 4 times you had anal sex, how many times was a condom used? Circle 0, 1, 2, 3, or 4.	0 1 2 3 4
A16	In the past 12 months did you have sex without a condom because you thought you and your partner had the same HIV status? That is, either both positive or both negative? Circle YES OR NO.	YES NO
READ FOR A17- A20: In the past 3 months (since GIVE DATE OF THREE MONTHS AGO_____)...		
A17	Have you helped a person you had sex with by giving them money for expenses such as lunch or bus fare? Circle YES OR NO.	YES NO
A18	Have you been helped by a person you had sex with by getting money for expenses such as lunch or bus fare? Circle YES OR NO.	YES NO
A19	Have you paid cash money to a person for sex? Circle YES OR NO.	YES NO
A20	Have you been paid cash money by a person for sex? Please circle YES OR NO.	YES NO
A21	Did you and your partner use a condom the last time that you or your partner was paid cash for sex? If you have NEVER paid or been paid cash money for sex, circle NO MONEY.	YES NO NO MONEY
A22	Are you currently married or living with a woman who is a female sexual partner? NOW PLEASE TURN OVER THE ANSWER SHEET.	YES NO
A23	Which of the following would you identify as your sexual orientation?  READ OPTIONS.	EXCLUSIVELY HOMOSEXUAL BISEXUAL HETEROSEXUAL/STRAIGHT
A24	Have you ever been raped? (That is, you were forced to have sex against your will)	YES NO



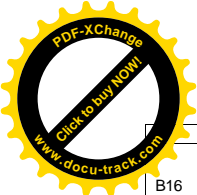
	Questions	Coding Categories
A25	Have you ever been a victim of physical violence because you have sex with men?	YES NO
A26	Have you ever been a victim of verbal abuse because you are a man who has sex with men?	YES NO
A27	On a scale of one to five choose the number that best describes how comfortable you currently are about telling people you have sex with men: 1= not comfortable with telling anyone 2=comfortable with less than half the people you know, 3=comfortable with half the people you know, 4=comfortable with more than half the people you know and 5 = comfortable telling anyone you have sex with men. For example, have you told your mother, your best friend, the people you work with?	NOT COMFORTABLE WITH ANYONE (1) LESS THAN HALF (2) HALF THE PEOPLE I KNOW (3) MORE THAN HALF (4) COMFORTABLE WITH EVERYONE (5)
A28	Do you know the HIV status of your main male partner?  CIRCLE NO MAIN MALE PARTNER IF YOU DO NOT HAVE A MAIN PARTNER.	YES NO NO MAIN PARTNER
A29	Does your main male partner know your status?  CIRCLE NOT APPLICABLE IF YOU DO NOT HAVE A MAIN MALE PARTNER OR DO NOT KNOW YOUR HIV STATUS.	YES NO NOT APPLICABLE
A30	Does your main female partner know your status?  CIRCLE NOT APPLICABLE IF YOU DO NOT HAVE A MAIN PARTNER OR DO NOT KNOW YOUR HIV STATUS.	YES NO NOT APPLICABLE
A31	Has anyone ever told you that he or she is infected with HIV?	YES NO
A32	Do you ever find yourself in a situation where you have difficulty letting a sex partner know that you want to use a condom?	YES NO
A33	Do you find it difficult to use a condom with a person you have very strong feelings for?	YES NO
A34	The last time you had sex with your main male partner, did either of you use a condom?	YES NO NO MAIN PARTNER
A35	The last time you had sex with your main female partner, did you use a condom?	YES NO NO MAIN PARTNER
A36	I am going to read you a statement. Please tell me if you strongly agree, somewhat agree, somewhat disagree or strongly disagree: "I am able to avoid behavior that may put me at risk of HIV infection." Please put a check mark by Strongly agree, somewhat agree, somewhat disagree or strongly disagree.	STRONGLY AGREE SOMEWHAT AGREE SOMEWHAT DISAGREE STRONGLY DISAGREE
A37	Do you think that a healthy looking person can be infected with HIV, the virus that causes AIDS?	YES NO DO NOT KNOW



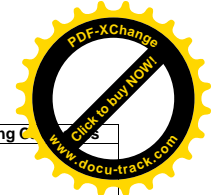
Questions		Coding Categories		
A38	Would you be willing to buy food or vegetables from a shopkeeper or foodseller that has HIV, the virus that causes AIDS?	YES	NO	DO NOT KNOW
A39a	We have been talking mostly about health issues but we would like to know your opinion of what are the most important problems that you are facing. For each problem that I mention, tell me if it is a big problem you are facing, a small problem or not a problem at all. CIRCLE BIG, SMALL OR NOT A PROBLEM  Unemployment?	BIG PROBLEM  SMALL PROBLEM  NOT A PROBLEM		
A39b	Health problems?	BIG	SMALL	NOT
A39c	Getting infected with HIV?	BIG	SMALL	NOT
A39d	Not having a good place to live?	BIG	SMALL	NOT
A39e	Not getting enough food?	BIG	SMALL	NOT
A39f	Being rejected by your family?	BIG	SMALL	NOT
A40	Have you set a personal goal to improve your life in the next year?	YES NO		
*	<b>READ:</b> Thank-you very much. Please fold the sheet and put it in this envelope. There are just a few remaining questions. <b>INTERVIEWER YOU MUST RECORD ANSWERS ON THE QUESTIONNAIRE.</b>			
B1	In what parish of Jamaica do you live?  <b>CIRCLE 1 CODE.</b>	CLARENDON 1 HANOVER 2 KINGSTON 3 MANCHESTER 4	PORTLAND 5 ST ANDREW 6 ST ANN 7 ST CATHERINE 8 ST ELIZABETH 9	SAINT JAMES 10 SAINT MARY 11 SAINT THOMAS 12 TRELAWNY 13 WESTMORELAND 14 NOT IN JAMAICA 15
B2	Are you currently employed full-time, part-time or not at all?	FULL TIME 1  PART-TIME 2  UNEMPLOYED 3		
B3	Are you currently a student?	YES 1 NO 2		
B4	IF NOT A STUDENT: What was the last school you attended?  IF A STUDENT: Which school do you now attend?  <b>CIRCLE TYPE OF SCHOOL</b>	NO FORMAL SCHOOL 1 BASIC/PRIMARY 2 ALL AGE/SEC. HIGH SCHOOL 3 TERTIARY 4 SKILLS TRAINING 5 OTHER 6		



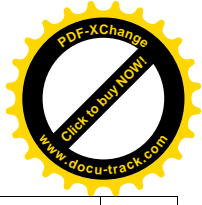
Questions		Coding Categories	
B5	What is the highest grade you completed in primary or secondary school?	GRADE: YES 1 NO 2	
B6	Have you ever spent a night in jail or prison?	YES 1 NO 2	
B7	Have you ever had to sleep outdoors or in a shelter because you were homeless?	YES 1 NO 2	
B8	How many children do you have if any? <b>CODE "0" IF NO CHILDREN.</b>	NUMBER CHILDREN: _____	
B9a	Men who have sex with men need HIV prevention programs but it is hard to estimate how many men who have sex with men there are in Jamaica. How many men who have sex with men do you know in Jamaica? By "knowing" them, I mean you know their name and they know your name and you have talked with them at least once in the past 3 months.  b. Of those, how many are at least 16 years old?	a. Number they know: _____  b. Age 16+: _____	
B10	How would you describe your gender?  READ OPTIONS.	MALE 1 FEMALE 2 TRANSGENDER Male to Female 3 TRANSGENDER Female to Male 4	
B11	Have you been to a party for MSM in the past 12 months?	YES 1 NO 2	
B12a	Have you been given a key chain like this one any time since the beginning of November? IF NO: GO TO B13. IF YES: Can I see it?	YES, KEY CHAIN SEEN 1 YES, BUT KEY CHAIN NOT SEEN 2 NO, DID NOT GET CHAIN 3	
B12b	In which parish did you get it?	CLARENDON 1 HANOVER 2 KINGSTON 3 MANCHESTER 4	PORTLAND 5 ST ANDREW 6 ST ANN 7 ST CATHERINE 8 ST ELIZABETH 9 SAINT JAMES 10 SAINT MARY 11 SAINT THOMAS 12 TRELAWNY 13 WESTMORELAND 14
B13	Now just a few questions about the HIV virus that causes AIDS. Can having sex with only one faithful, uninfected partner reduce the risk of HIV transmission?	YES 1 NO 2 NOT SURE/ DON'T KNOW 3	
B14	Can using condoms reduce the risk of HIV transmission?	YES 1 NO 2 NOT SURE/ DON'T KNOW 3	
B15	Can a person get HIV from mosquito bites?	YES 1 NO 2 NOT SURE/ DON'T KNOW 3	



Questions		Coding Categories
B16	Can a person get HIV by sharing a meal with someone who is infected?	YES 1 NO 2 NOT SURE/ DON'T KNOW 3
<p>READ: We would like more people to take this survey. We encourage you to give in invitation letter to your main sexual partner and other men who you have had sex with, but you can also invite other men that you know. If these men are tested for infections and get the treatable infections cured, others may be less likely to get an infection. Most people do not know when they have an infection.</p> <p>If you call to get your test results, you will be eligible for a drawing for two nights at an all inclusive resort in Jamaica. If you recruit others, you will have a better chance of winning. You get one extra chance for everyone you recruit. A sticker will be on the letter and cards you hand out. We will ask the person what the sticker number is. That way we will know that you have recruited someone. We will have the drawing in April and call you if you are the winner.</p>		
B22a	a. Think about how many people you know who meet the study requirements, that is, <ul style="list-style-type: none"><li>• They live in Jamaica and are men who have sex with men</li><li>• They were born as men or perceive themselves as male</li><li>• They are at least 16 years old</li><li>• They know your name and you know their name, and</li><li>• You have talked with them in the past 3 months. Talking includes speaking face to face, by telephone or via the internet</li></ul>	a. Have cell number: a. _____
B22b		b1. Do not have cell number: b1. _____
B22c	a. How many men do you have a cell phone number for who meet the study requirements?	<b>Total of a+b:</b> _____
B22d	b1. How many men who meet the study requirements do you NOT have a cell phone number for?	b2. Of number from b1, number with email address: b2. _____
B22e		c. Consider: _____
B22f	b2. Of those _____ men (FROM B1) who you do not have a cell phone number for, how many do you have an email address for?	d. Sex with: _____
	c. Of the total you know who meet the study requirements, that is (FILL IN _____ (a+b1 only ) how many would you consider inviting to the study?	e. Yes 1 No 2
	d. Of those, how many have you had sex with?	f. Number: _____
	e. We can only give you three invitations at this time, but if we have left over invitations, would you like to get some more later?	
	f. RECORD HOW MANY INVITATIONS WERE GIVEN TO RESPONDENT	



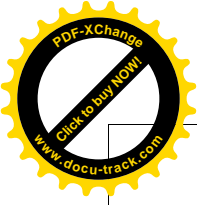
Questions		Coding Categories
q. IF NO INVITATIONS GIVEN: Why do you not want any invitations?		
B17	Thank-you very much for participating. May we contact you after six months if there is another opportunity for a survey?	YES 1 NO 2
B18a	Interviewer assessment of socioeconomic status of respondent on a scale of 1-10. 10 is very rich and 1 is extremely poor. A. Number: ____	
B18b	COMMENTS:	
B19	Time interview ends	____ : ____ AM OR PM HOUR MINUTE
READ: Thank-you for participating in the survey. Now it is time to give a urine and blood sample.		
B20	Specimens collected	YES NO B18 BLOOD? 1 2
B21		B19 URINE? 1 2
Thank-you for providing the specimens. If you are infected, we will need to contact you. You will need to give your contact information to the nurse so that she can contact you if you are infected. If you do not get called and want to know your results, you can call Carol using the phone number on the fact sheet.		
<b>INTERVIEWER TO COMPLETE AFTER INTERVIEW:</b>		
B23	To what extent do you agree with this statement: This respondent consistently told you the truth.	Strongly agree 1 Agree 2 Disagree 3 Strongly disagree 4
INTERVIEWER COMMENTS		
CHECKED BY SUPERVISOR : Signature _____ Date _____ Time: _____		



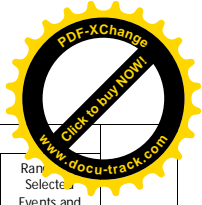
## Appendix 2 Site and Event Tables

Site and Event Tables 2011  
Table 1 - Characteristics of Venues by Site Group

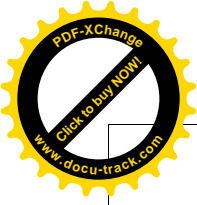
Characteristic	Site Group					All
	Street Site with Sex Work	Club with Dancers	Events with Sex Work	Other Sites with Sex Work	Randomly Selected Events and Sites	
N	150	114	26	195	100	585
Parish Of Place	14.0	2.6	50.0	16.9	18.0	15.0
Kingston						
St Andrew	11.3	13.2	30.8	16.4	11.0	14.2
St Catherine	4.7	11.4	3.8	11.8	36.0	13.7
St. Mary	1.3	2.6	0.0	2.6	2.0	2.1
St Ann	22.0	10.5	3.8	8.2	1.0	10.8
St Elizabeth	0.7	11.4	0.0	7.7	8.0	6.3
Portland	3.3	4.4	0.0	2.1	1.0	2.6
St Thomas	12.0	0.9	3.8	1.0	3.0	4.3
Westmoreland	2.7	9.6	0.0	2.1	12.0	5.3
Hanover	0.0	1.8	0.0	4.6	3.0	2.4
Clarendon	4.7	7.0	0.0	3.6	3.0	4.3
Manchester	15.3	9.6	7.7	9.7	2.0	9.7
St James	6.7	12.3	0.0	11.3	0.0	7.9
Trelawny	1.3	2.6	0.0	2.1	0.0	1.5
Role Of Respondent At Site	2.7	1.8	0.0	1.5	0.0	1.5
.						
Staff	23.3	46.5	46.2	47.7	53.0	42.1
Security Guard	10.0	8.8	3.8	9.2	8.0	8.9
Patron	10.7	14.9	19.2	17.4	9.0	13.8
Vendor In Area	33.3	3.5	11.5	10.3	12.0	15.2
Sex Worker	5.3	7.0	3.8	3.6	1.0	4.3
Student	3.3	0.0	0.0	0.0	1.0	1.0
Other	11.3	17.5	15.4	10.3	16.0	13.2
Interviewer Opinion: How Knowledgeable Is This Respondent Likely To Be About The Activities And Patrons At The Site?	4.0	0.0	3.8	3.6	6.0	3.4
Missing						
Extremely Knowledgeable						
Knowledgeable						
Not Very Knowledgeable	8.0	5.3	0.0	10.3	6.0	7.5



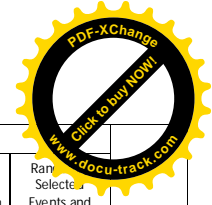
Characteristic	Site Group					All
	Street Site with Sex Work	Club with Dancers	Events with Sex Work	Other Sites with Sex Work	Randomly Selected Events and Sites	
How Many Years Has This Site Been In Operation?	2.7	0.9	0.0	2.1	0.0	1.5
Missing						
<1 Year	6.7	23.7	26.9	8.7	14.0	12.8
1-2 Years	9.3	17.5	23.1	10.8	15.0	13.0
3-5 Years	11.3	12.3	11.5	11.3	8.0	10.9
More Than 5 Years	58.7	43.0	34.6	64.1	56.0	55.9
Not Applicable	11.3	2.6	3.8	3.1	7.0	5.8
Alcohol (Beer Or Tonic Wine) Consumed	62.7	91.2	88.5	73.3	77.0	75.4
Ecstasy Used Onsite						
	12.7	14.0	15.4	5.6	3.0	9.1
Crack/Cocaine Used Onsite	20.7	3.5	7.7	6.7	6.0	9.6
Exotic Or Go-Go Dancing	7.3	51.8	0.0	8.7	1.0	15.0
Sex On Stage	10.7	15.8	7.7	3.1	4.0	7.9
Music (Live Or Recorded)	37.3	87.7	92.3	51.8	53.0	57.1
Massage	3.3	4.4	3.8	2.1	1.0	2.7
People Waiting For A Bus Or Taxi	33.3	22.8	26.9	22.6	35.0	27.7
Do Men Meet New Female Sexual Partners Here?	2.7	0.9	0.0	1.5	1.0	1.5
Missing						
Yes	70.0	84.2	88.5	65.6	76.0	73.2
No	20.0	12.3	7.7	24.6	17.0	19.0
Don't Know	7.3	2.6	3.8	8.2	6.0	6.3
Do Women Meet New Male Sex Partners Here?	2.7	1.8	0.0	2.1	2.0	2.1
Missing						
Yes	70.0	79.8	84.6	62.1	74.0	70.6
No	21.3	14.0	15.4	29.2	17.0	21.5
Don't Know	6.0	4.4	0.0	6.7	7.0	5.8



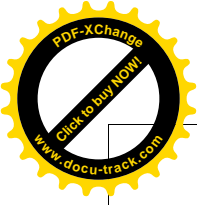
Characteristic	Site Group					All
	Street Site with Sex Work	Club with Dancers	Events with Sex Work	Other Sites with Sex Work	Randomly Selected Events and Sites	
Do Men Come Here To Buy Sex From Women?	4.7	5.3	0.0	4.1	7.0	4.8
Missing						
Yes	45.3	57.0	11.5	24.6	16.0	34.2
No	31.3	28.9	88.5	57.9	56.0	46.5
Don't Know	18.7	8.8	0.0	13.3	21.0	14.5
Does Someone Onsite Help Partners Hook Up?	4.7	1.8	0.0	2.1	2.0	2.8
Missing						
Yes	22.0	25.4	15.4	10.8	11.0	16.8
No	49.3	51.8	73.1	73.8	67.0	62.1
Don't Know	24.0	21.1	11.5	12.8	20.0	18.5
Do Female Sex Workers Come Here To Find Customers?	4.0	0.9	0.0	2.6	5.0	2.7
Missing						
Yes	40.0	58.8	23.1	27.2	21.0	35.4
No	38.0	27.2	73.1	54.4	59.0	46.5
Don't Know	18.0	13.2	3.8	15.9	15.0	15.2
F Do Any Male Staff Meet New Sexual Partners Here?	8.0	0.9	3.8	3.6	3.0	4.1
Missing						
Yes	24.0	40.4	26.9	22.6	20.0	26.2
No	46.0	42.1	61.5	59.5	59.0	52.6
Don't Know	22.0	16.7	7.7	14.4	18.0	17.1
Do Any Female Staff Meet New Sexual Partners Here?	7.3	1.8	3.8	4.1	3.0	4.3
Missing						
Yes	23.3	44.7	19.2	20.0	21.0	25.8
No	48.7	31.6	65.4	57.9	54.0	50.1
Don't Know	20.7	21.9	11.5	17.9	22.0	19.8
Can People Have Sex Onsite?	4.0	0.9	3.8	3.1	1.0	2.6
Missing						
Yes	55.3	62.3	42.3	29.2	34.0	43.8
No	34.7	34.2	53.8	62.1	58.0	48.5
Don't Know	6.0	2.6	0.0	5.6	7.0	5.1
Do Gay Men Meet Male Sex Partners Here?	8.0	0.0	3.8	2.6	1.0	3.2
Missing						
Yes	22.7	4.4	7.7	10.8	13.0	12.8
No	32.7	58.8	76.9	57.4	56.0	52.0



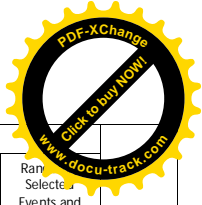
Characteristic	Site Group					All
	Street Site with Sex Work	Club with Dancers	Events with Sex Work	Other Sites with Sex Work	Randomly Selected Events and Sites	
Don't Know	36.7	36.8	11.5	29.2	30.0	32.0
Do Gay Men Who Are Sex Workers Come Here To Find Customers?	8.0	3.5	3.8	3.6	2.0	4.5
Missing						
Yes						
No	38.7	62.3	80.8	64.6	60.0	57.4
Don't Know	38.0	30.7	11.5	28.7	32.0	31.3
When Do Female Sex Workers Come Here?	15.4	8.8	11.5	9.7	9.0	10.9
Missing						
Every Day /Night	30.0	25.4	15.4	13.3	9.0	19.3
None/ Not At All	25.3	34.2	57.7	53.3	59.0	43.6
Some Days or Nights	0.7	0.0	0.0	0.0	0.0	0.2
Does This Place Have Special Days Or Nights?	28.7	13.2	50.0	24.0	23.0	24.1
Missing						
No Special Days Or Nights	61.3	46.5	38.5	61.0	59.0	56.9
Yes, Special Times (Specify Below)	10.0	40.4	11.5	14.9	18.0	19.0
What Is The Busiest Day Of The Week Here (data not fully cleaned)	18.0	12.3	23.1	14.4	13.0	15.0
Friday	26.0	38.6	19.2	36.4	28.0	32.0
Saturday	15.3	11.4	15.4	11.8	16.0	13.5
Sunday	8.0	6.1	3.8	2.6	7.0	5.5
Thursday	2.7	2.6	3.8	0.5	2.0	1.9
Wednesday	0.0	2.6	11.5	1.0	3.0	1.9
During That Time, How Many Men Do You Expect To Be Socializing At This Site?	24.0	8.8	15.4	14.4	11.0	15.2
Missing						
Fewer Than 25	30.7	25.4	7.7	33.8	38.0	30.9
25-50	20.0	36.8	7.7	27.2	24.0	25.8
51-100	12.7	16.7	7.7	13.3	8.0	12.6
101-15	3.3	4.4	23.1	4.1	3.0	4.6
151-200	4.0	3.5	7.7	3.1	4.0	3.8
More Than 200	5.3	4.4	30.8	4.1	12.0	7.0
During That Time, How Many Women Do You Expect To Be Socializing At This Site?	26.7	10.5	11.5	15.4	13.0	16.8
Missing						
Fewer Than 25						



Characteristic	Site Group					All
	Street Site with Sex Work	Club with Dancers	Events with Sex Work	Other Sites with Sex Work	Randomly Selected Events and Sites	
25-50	15.3	25.4	7.7	20.5	16.0	18.8
51-100	8.7	7.9	11.5	10.8	8.0	9.2
101-15	6.0	5.3	15.4	2.6	4.0	4.8
151-200	3.3	5.3	15.4	4.1	3.0	4.4
More Than 200	5.3	6.1	26.9	5.1	14.0	7.9
Any Female Dancers?	10.7	3.5	7.7	5.6	6.0	6.7
Missing						
Yes						
No	81.3	43.9	84.6	85.1	91.0	77.1
Any Paid Staff Excluding Dancers? Yes	17.3	65.8	23.1	40.5	38.0	38.3
On A Busy Night Any Sex Workers On Site?	12.6	7.0	11.5	9.2	10.0	9.9
Missing						
Yes						
No	54.0	47.4	69.2	72.8	72.0	62.7
Any Hiv/Aids Prevention?	4.0	0.9	3.8	3.6	4.0	3.2
Missing						
Yes						
No	44.7	36.8	80.8	58.5	67.0	53.2
Does not know	4.0	5.3	0.0	6.2	4.0	4.8
Any Condom Promotion?	3.3	0.9	0.0	3.6	4.0	2.9
Missing						
Yes						
No	42.0	63.2	23.1	35.9	24.0	40.2
Does not know	46.0	32.5	76.9	57.4	68.0	52.3
Any Persons Actually Tested Onsite For Hiv?	8.7	3.5	0.0	3.1	4.0	4.6
Missing						
Yes						
No	31.3	46.5	15.4	19.0	23.0	28.0
Does not know	52.7	47.4	84.6	72.3	67.0	62.1
Any Safer Sex Education By Outreach Workers?	12.7	5.3	0.0	6.7	8.0	7.9
Missing						
Yes						
No	38.7	56.1	23.1	28.2	22.0	35.0
Does not know	45.3	37.7	76.9	61.5	71.0	55.0
	12.7	4.4	0.0	6.7	3.0	6.8



Characteristic	Site Group					All
	Street Site with Sex Work	Club with Dancers	Events with Sex Work	Other Sites with Sex Work	Randomly Selected Events and Sites	
Any Outreach Through Sex Work Peer Educators?	5.3	4.4	0.0	5.1	3.0	4.4
Missing						
Yes	22.7	17.5	7.7	13.3	12.0	16.1
No	56.0	71.9	92.3	72.3	78.0	69.9
Does not know	16.0	6.1	0.0	9.2	7.0	9.6
Any Outreach Through Influential Staff?	4.7	3.5	0.0	3.1	3.0	3.4
Missing						
Yes	8.7	16.7	3.8	8.7	10.0	10.3
No	68.7	72.8	96.2	78.5	79.0	75.7
Does not know	18.0	7.0	0.0	9.7	8.0	10.6
Any Outreach Or Prevention By Jas?	3.3	1.8	0.0	3.1	2.0	2.6
Missing						
Yes	4.7	7.0	0.0	3.6	3.0	4.3
No	68.7	82.5	92.3	78.5	85.0	78.5
Does not know	23.3	8.8	7.7	14.9	10.0	14.7
Any Outreach Or Prevention By Red Cross?	4.7	1.8	0.0	3.6	2.0	3.1
Missing						
Yes	4.7	0.0	0.0	1.5	3.0	2.2
No	68.7	88.6	96.2	80.0	88.0	80.9
Does not know	22.0	9.6	3.8	14.9	7.0	13.8
Any Outreach By Any Other Organization?	4.7	2.6	0.0	5.1	4.0	4.1
Missing						
Yes	3.3	1.8	3.8	3.6	5.0	3.4
No	67.3	84.2	92.3	75.9	83.0	77.3
Does not know	24.7	11.4	3.8	15.4	8.0	15.2
In The Past 12 Months, How Often Have Condoms Been Available Here?	3.3	4.4	0.0	2.1	4.0	3.1
Missing						
Always	32.0	55.3	11.5	34.9	37.0	37.4
Sometimes	24.0	20.2	30.8	25.1	18.0	22.9
Never	22.7	15.8	50.0	31.3	33.0	27.2
Does not know	18.0	4.4	7.7	6.7	8.0	9.4
Can I Get A Condom Here Now? If Yes, Can I See One?	11.3	5.3	0.0	9.7	11.0	9.1
Missing						



Characteristic	Site Group					All
	Street Site with Sex Work	Club with Dancers	Events with Sex Work	Other Sites with Sex Work	Randomly Selected Events and Sites	
Yes Condoms Here But You Can't See One	16.0	20.2	15.4	12.3	21.0	16.4
Yes Condoms Here And A Condom Was Seen	25.3	47.4	15.4	32.3	25.0	31.5
No Condoms Here Now	47.3	27.2	69.2	45.6	43.0	43.1
Any Hiv/Aids Posters Displayed?	8.7	5.3	3.8	6.2	2.0	5.8
Missing						
Yes	9.3	33.3	3.8	9.7	3.0	12.8
No	82.0	61.4	92.3	84.1	95.0	81.4
Any Condom Promotion Or Use Posters?	10.0	6.1	3.8	7.7	3.0	7.0
Missing						
Yes	10.7	33.3	3.8	10.3	4.0	13.5
No	79.3	60.5	92.3	82.1	93.0	79.5
Condoms Visible?	10.7	5.3	0.0	6.7	3.0	6.7
Missing						
Yes	18.7	36.8	15.4	24.1	16.0	23.4
No	70.7	57.9	84.6	68.7	81.0	69.9
Condoms For Sale On Site?	10.7	8.8	0.0	6.7	3.0	7.5
Missing						
Yes	28.7	52.6	15.4	28.2	28.0	32.5
No	60.7	38.6	84.6	64.1	69.0	60.0
How Supportive Are Gatekeepers Regarding Safe Sex Practices At The Site?	10.0	2.6	3.8	5.1	6.0	6.0
Missing						
Very Supportive	34.0	51.8	34.6	38.5	34.0	39.0
Supportive	32.0	36.8	53.8	39.5	49.0	39.3
Not Supportive	4.0	0.9	0.0	3.6	3.0	2.9
Very Unsupportive	0.7	0.0	0.0	1.0	0.0	0.5
Do Not Know	6.0	2.6	0.0	4.6	1.0	3.8
Not applicable	13.3	5.3	7.7	7.7	7.0	8.5



## Appendix 3 PLACE Patron and Worker TABLES



Table 1	Street Female Sex Worker	Other Female Sex Worker	Female Workers	Female Patrons	Male Patrons
Number of Respondents weighted (N)	165	208	463	263	278
Type of venue					
Street	100.0	0.0	22.5	1.4	0.2
Clubs	0.0	75.0	44.1	37.1	52.5
Events	0.0	1.8	1.4	0.3	1.1
Oth/miss	0.0	23.2	32.0	61.2	46.2
Survey Group					
Street FSW	5.5	0.0	0.0	0.0	0.0
Other FSW	0.0	13.8	0.0	0.0	0.0
F Workers	0.0	0.0	25.8	0.0	0.0
F Patrons	0.0	0.0	0.0	21.1	0.0
M Patrons	0.0	0.0	0.0	0.0	33.7
M Worker	0.0	0.0	0.0	0.0	0.0
Health Region					
.	0.0	0.0	0.0	0.3	0.7
Southeast	47.9	52.3	53.5	53.2	57.1
Northeast	18.2	11.6	13.9	12.2	12.2
Western	27.3	31.4	26.8	30.6	23.9
Southern	6.7	4.6	5.8	3.7	6.2
Age Groups <25 vs 25+					
.	0.0	0.9	1.7	0.3	0.4
Age 15-24	29.1	43.0	35.3	45.3	32.9
Age 25+	70.9	56.1	63.1	54.4	66.7
Five year age groups					
.	0.0	0.9	1.7	0.3	0.4
15-19	6.1	6.5	7.3	17.0	10.1
20-24	23.0	36.5	27.9	28.3	22.8
25-29	25.5	29.3	28.5	17.3	18.8
30-34	15.8	17.3	16.2	15.2	15.8
35-39	12.1	6.4	7.5	10.0	9.7
40+	17.6	3.1	10.9	11.9	22.4
Mean age	30.6	26.4	28.5	28.1	31.5
Educational Attainment					
.	0.0	0.4	0.2	0.0	0.0
<=Primary	9.7	4.7	3.7	4.3	3.2
Some Secondary	88.5	94.4	95.4	94.4	92.1

Table 1	Street Female Sex Worker	Other Female Sex Worker	Female Workers	Female Patrons	Male Patrons
Completed Secondary	1.8	0.0	0.4	0.8	0.5
Some Tertiary	0.0	0.4	0.2	0.5	2.2
Employment					
.	0.0	0.0	0.1	0.5	0.4
Full Time	22.4	42.3	51.7	40.9	65.2
Part-time	29.1	29.6	26.0	18.3	11.9
Not Employed	48.5	28.1	22.2	40.3	22.5
Mean SES	4.5	4.5	4.6	5.2	4.9
Have any children					
.	18.2	0.4	4.3	0.9	0.4
No	17.6	21.5	25.0	34.6	43.1
Yes	64.2	78.1	70.7	64.5	56.6
Have main male partner					
.	0.0	0.0	0.1	0.0	5.5
No	35.8	35.6	28.2	24.4	92.7
Yes	64.2	64.4	71.7	75.6	1.8
Have main female partner					
.	7.9	3.5	5.3	6.7	0.7
No	84.2	82.3	84.2	86.7	26.9
Yes	7.9	14.2	10.5	6.6	72.4
marital					
.	1.8	0.0	0.8	0.6	0.4
Currently married, living with partner	26.7	27.0	30.5	28.4	25.5
Previously married/lived with partner	23.6	31.5	25.7	20.0	26.8
Never married or lived with partner	47.9	41.5	43.0	51.0	47.3
SEX					
Male	0.0	0.0	0.0	0.0	100.0
Female	100.0	100.0	100.0	100.0	0.0
Female					
.	0.0	0.0	0.0	0.5	0.0
0	0.6	0.0	0.1	0.0	100.0
1	99.4	100.0	99.9	99.5	0.0
Sexual orientation					
.	1.8	2.2	2.2	4.9	1.4
Heterosexual	86.1	75.3	81.9	86.8	96.0
Gay/Lesbian	1.2	0.9	2.2	2.8	0.4

Table 1	Street Female Sex Worker	Other Female Sex Worker	Female Workers	Female Patrons	Male Patrons
Bisexual	10.9	21.6	13.7	5.5	2.2
unemployed	0.0	0.0	0.1	0.5	0.4
.					
No	51.5	71.9	77.7	59.2	77.1
Yes	48.5	28.1	22.2	40.3	22.5
Less than secondary education	90.3	95.3	96.3	95.7	96.8
No					
Yes	9.7	4.7	3.7	4.3	3.2
Low socioeconomic status	72.1	73.8	72.4	84.2	73.9
No					
Yes	27.9	26.2	27.6	15.8	26.1
Difficulty reading	92.1	98.7	97.5	99.2	96.4
No					
Yes	7.9	1.3	2.5	0.8	3.6
Ever spent night in jail	66.1	69.6	76.1	84.4	66.6
No					
Yes	33.9	30.4	23.9	15.6	33.4
Ever slept outdoors because homeless	82.4	82.6	87.5	92.9	83.7
No					
Yes	17.6	17.4	12.5	7.1	16.3
Ever raped	77.6	74.4	80.4	87.3	96.3
No					
Yes	22.4	25.6	19.6	12.7	3.7
Received cash for sex in past 3 months	0.0	0.0	0.1	0.8	0.0
.					
Yes	100.0	100.0	59.8	18.3	9.9
No	0.0	0.0	40.0	80.9	90.1
Received cash or gifts for sex	100.0	100.0	59.8	18.3	9.9
Received cash past 3 months					
Longer ago or gifts	0.0	0.0	10.6	13.9	13.4
Never gifts or cash	0.0	0.0	29.6	67.8	76.7
Ever paid cash for sex	78.2	82.1	88.5	93.1	57.9
No					
Yes	21.8	17.9	11.5	6.9	42.1
Daily or weekly alcohol	63.0	29.3	52.0	60.9	44.1
Less than weekly					

Table 1	Street Female Sex Worker	Other Female Sex Worker	Female Workers	Female Patrons	Male Patrons
Daily/weekly alcohol	37.0	70.7	48.0	39.1	
Used crack or cocaine	0.6	0.0	0.3	0.3	0.0
.					
No	97.6	99.1	98.6	99.7	98.9
Yes	1.8	0.9	1.1	0.0	1.1
Used ganga	0.0	0.0	0.1	0.0	0.0
.					
No	55.8	38.2	56.7	64.8	59.4
Yes	44.2	61.8	43.1	35.2	40.6
Used ecstasy	0.6	0.0	0.3	0.0	0.0
.					
No	92.1	83.3	90.6	96.9	98.5
Yes	7.3	16.7	9.1	3.1	1.5
Came to venue to work	61.8	37.4	55.9	20.3	14.2
Does not work street, bar, club					
Works street, bar or club	38.2	62.6	44.1	79.7	85.8
Comes to venue 4+ times/week	53.9	38.6	32.9	69.5	72.4
No					
Yes	46.1	61.4	67.1	30.5	27.6
Has or plans to visit 2+places tonight	63.6	68.5	78.6	61.1	62.2
No					
Yes	36.4	31.5	21.4	38.9	37.8
Mean N Partners last 4 weeks	33.1	10.1	12.1	1.8	2.3
Mean N New Partners last 4 weeks	21.7	5.8	7.4	0.8	1.2
Mean N Partners last year	227.7	59.5	77.0	6.6	9.9
Did not answer all 5 knowledge questions correctly	98.8	99.6	99.4	99.4	99.3
No					
Yes	1.2	0.4	0.6	0.6	0.7
Had previous HIV test and know result	37.6	41.3	52.0	68.4	78.6
No					
Yes	62.4	58.7	48.0	31.6	21.4
Already knows is HIV+	95.8	97.8	97.9	99.7	98.2
No					
Yes	4.2	2.2	2.1	0.3	1.8
Been to educational session or workshop	58.2	60.7	65.6	80.5	83.6
No					

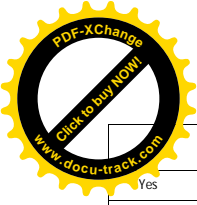


Table 1	Street Female Sex Worker	Other Female Sex Worker	Female Workers	Female Patrons	Male Patrons
Yes	41.8	39.3	34.4	19.5	16.4
Saw riskcard previously	40.0	42.8	47.3	56.2	65.5
No					
Yes	60.0	57.2	52.7	43.8	34.5
Uses family planning other than condoms	0.6	0.0	0.3	0.2	0.0
No					
Yes	98.8	100.0	99.6	99.8	0.0
NA	0.6	0.0	0.1	0.0	100.0
No condom last anal sex	12.7	11.0	7.6	4.2	4.4
Condom used					
No condom used	17.6	11.6	10.0	10.7	9.4
No anal sex	63.0	73.7	78.0	78.1	84.4
Missing	6.7	3.7	4.4	6.9	1.8
Had 2+ partners past 4 weeks	6.1	17.4	39.2	76.6	59.6
No					
Yes	93.9	82.6	60.8	23.4	40.4
New partner in past 12 months	9.7	16.9	34.7	61.5	42.3
No					
Yes	90.3	83.1	65.3	38.5	57.7
Thinks partner has other partners	61.2	51.7	54.4	51.7	71.4
No					
Yes	38.8	48.3	45.6	48.3	28.6
First sex < age 16	44.2	41.8	53.4	59.6	26.7
0					
1	54.5	57.8	45.7	38.3	65.7
999	1.2	0.4	1.0	2.0	7.6
Has another STI	61.2	69.5	65.6	67.7	77.2
No					
Yes	38.8	30.5	34.4	32.3	22.8
Has any STI including HIV	55.8	69.5	64.1	67.2	76.9
No					
Yes	44.2	30.5	35.9	32.8	23.1
Has HIV plus another STI	97.6	97.6	97.9	99.7	100.0
No					
Yes	2.4	2.4	2.1	0.3	0.0
Doctor said had STI	65.5	66.6	73.3	83.5	82.2

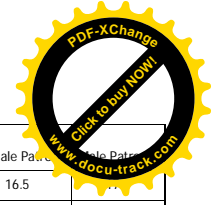
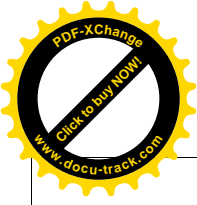


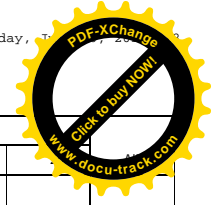
Table 1	Street Female Sex Worker	Other Female Sex Worker	Female Workers	Female Patrons	Male Patrons
Yes	34.5	33.4	26.7	16.5	
Gonorrhea test result	0.0	4.4	2.1	2.2	3.3
.					
Pos	10.3	6.1	9.3	6.1	4.0
Neg	89.7	88.6	87.9	91.7	92.7
Ind/pen	0.0	0.9	0.6	0.0	0.0
Chlamydia test result	0.0	4.8	2.4	2.2	3.3
.					
Pos	14.5	16.6	19.7	18.1	20.3
Neg	85.5	78.6	77.9	79.6	76.5
tv12	0.0	4.4	2.1	2.2	3.3
.					
Pos	26.1	18.0	19.3	17.3	5.0
Neg	73.3	77.6	78.4	80.5	91.7
Ind/pen	0.6	0.0	0.1	0.0	0.0
Bioline syphilis result	0.0	1.3	0.2	1.4	1.1
.					
Bioline Reactive	16.4	5.3	7.6	5.5	4.3
Neg	83.0	93.4	92.0	93.1	94.6
Ind/pen	0.6	0.0	0.1	0.0	0.0
HIV result	7.9	2.4	3.6	0.8	0.4
Pos					
Neg	92.1	97.6	96.4	99.2	99.6

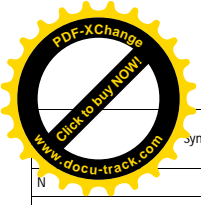
APPENDIX 4 MSM 2011 results  
Table 1 - Sociodemographic Characteristics of Respondents

Characteristic of MSM Participants	Age			All
	15-19	20-24	25+	
N	97	180	172	449
Q3a: City or parish of interview				
Kingston/St. Andrew	39.2	41.7	40.7	40.8
Ocho Rios	3.1	3.3	9.3	5.6
Montego Bay	23.7	21.1	22.7	22.3
Negril	6.2	2.8	0.6	2.7
Mandeville	2.1	5.0	3.5	3.8
Other	25.8	26.1	23.3	24.9
Q5a: Were you given a letter of invitation to participate in this survey or an appointment card?				
No, not invited	82.5	87.8	86.0	86.0
Yes, invited	16.5	12.2	14.0	13.8
Missing	1.0	0.0	0.0	0.2
Q6: Was the person who asked you to be in the study a main sexual partner, someone else you have ever had sex with, or someone else who knows you?				
.	0.0	0.0	0.6	0.2
Main partner	1.0	2.2	1.2	1.6
Other partner	0.0	0.6	0.0	0.2
Someone who knows me	99.0	97.2	97.7	97.8
Missing	0.0	0.0	0.6	0.2
Q7c: Considers himself a man who has sex with men				
Yes	100.0	100.0	100.0	100.0
B1: Parish of residence				
Clarendon	5.2	3.3	5.2	4.5
Hanover	6.2	0.6	4.1	3.1
Kingston	16.5	14.4	9.3	12.9
Manchester	2.1	6.1	2.3	3.8
Portland	0.0	0.6	1.2	0.7
St Andrew	17.5	17.8	18.6	18.0
St Ann	3.1	3.9	10.5	6.2
St Catherine	10.3	23.3	17.4	18.3
St Elizabeth	0.0	1.7	1.7	1.3
Saint James	18.6	15.6	16.3	16.5
Saint Mary	1.0	1.1	0.6	0.9
Saint Thomas	4.1	2.2	1.7	2.4
Trelawny	2.1	2.8	2.9	2.7
Westmorland	13.4	6.7	8.1	8.7

APPENDIX 4 MSM 2011 results  
Table 1 - Sociodemographic Characteristics of Respondents

Characteristic of MSM Participants	Age			
	15-19	20-24	25+	All
B2: Employment status				
Full time	6.2	26.1	49.4	30.7
Part-time	10.3	10.0	15.7	12.2
Unemployed	83.5	63.9	34.9	57.0
B3: Student status				
Yes	49.5	27.8	12.2	26.5
No	50.5	72.2	87.8	73.5
B4: Last school attended				
No formal school	0.0	0.0	0.6	0.2
Basic/primary	2.1	0.6	1.2	1.1
All age/secondary high school	69.1	50.0	50.6	54.3
Tertiary	14.4	27.2	26.2	24.1
Skills training	12.4	21.1	16.9	17.6
Other	2.1	1.1	4.7	2.7
B6: Has spent a night in jail or prison				
Yes	17.5	25.0	33.1	26.5
No	82.5	75.0	66.9	73.5
B7: Has had to sleep outdoors or in a shelter because he was homeless				
Yes	13.4	18.3	21.5	18.5
No	84.5	81.1	77.9	80.6
Missing	2.1	0.6	0.6	0.9
B8: Number of children				
0	91.8	87.8	76.7	84.4
1	6.2	10.6	14.0	10.9
2	0.0	0.0	4.7	1.8
3	0.0	0.0	1.7	0.7
5	0.0	0.0	0.6	0.2
6	0.0	0.0	0.6	0.2
70	1.0	0.0	0.0	0.2
99	1.0	1.7	1.7	1.6





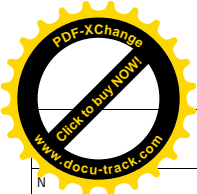
MSM 2011 results  
Table 2 - Prevalence of Sexually Transmitted Infection Symptoms

Symptom	Age			All
	15-19	20-24	25+	
N	97	180	172	449
Q9a: Discharge or leak from penis				
Now	2.1	2.8	1.7	2.2
Not now, but previously	6.2	14.4	27.3	17.6
Never	91.8	82.8	70.9	80.2
Q9b: Discharge or leak from anus				
Now	0.0	1.1	0.6	0.7
Not now, but previously	0.0	2.8	1.7	1.8
Never	100.0	96.1	97.7	97.6
Q9c: Pain or burning when you urinate/pee				
Now	2.1	2.2	5.8	3.6
Not now, but previously	13.4	26.7	35.5	27.2
Never	84.5	71.1	58.7	69.3
Q9d: Ulcer /sore on the penis/anus				
Now	5.2	1.1	3.5	2.9
Not now, but previously	1.0	5.0	5.8	4.5
Never	93.8	93.9	90.7	92.7
Q9e: Genital or anal warts				
Now	1.0	5.0	2.9	3.3
Not now, but previously	3.1	2.2	3.5	2.9
Never	95.9	92.8	93.6	93.8

MSM 2011 results  
Table 3 - Prevalence of HIV, Gonorrhea and Chlamydia

Infection	Age			ALL
	15-19	20-24	25+	
N	97	180	172	449
HIV_final				
neg	85.6	70.6	57.0	68.6
pos	14.4	29.4	43.0	31.4
FINAL_NG				
neg	96.9	99.4	97.7	98.2
pos	3.1	0.6	2.3	1.8
FINAL_CT				
neg	91.8	90.0	91.9	91.1
pos	8.2	10.0	8.1	8.9

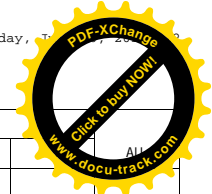


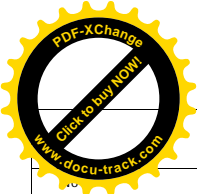
MSM 2011 results  
Table 4 - Health Care-Seeking Behavior and HIV Testing

Characteristic	Age			ALL
	15-19	20-24	25+	
N	97	180	172	449
Q10a: Went to a private doctor				
Yes	6.2	13.3	25.0	16.3
No	15.5	21.7	23.8	21.2
NA	78.4	65.0	51.2	62.6
Q10b: Go to an MOH health center				
Yes	3.1	13.3	17.4	12.7
No	19.6	21.7	30.8	24.7
NA	77.3	65.0	51.7	62.6
Q10c: Went anywhere else for treatment				
Yes	2.1	3.3	5.8	4.0
No	19.6	31.7	42.4	33.2
NA	78.4	65.0	51.7	62.8
Q10d: Was examined by a health care provider				
Yes	8.2	21.7	34.9	23.8
No	13.4	13.3	13.4	13.4
NA	78.4	65.0	51.7	62.8
Q10e: Takes drugs prescribed by a doctor				
Yes	6.2	23.3	37.8	25.2
No	15.5	11.7	11.0	12.2
NA	78.4	65.0	51.2	62.6
Q10f: Take unprescribed drugs				
Yes	1.0	1.7	3.5	2.2
No	20.6	33.3	44.8	35.0
NA	78.4	65.0	51.7	62.8
Q10g: Told main partner				
Yes	3.1	15.0	23.3	15.6
No	16.5	20.0	25.0	21.2
NA	80.4	65.0	51.7	63.3
Q11a: Been to a health center for care or treatment for any health problem in past 12 months				
Yes	48.5	47.8	51.7	49.4
No	51.5	52.2	48.3	50.6
Q11b: Satisfied with the care received at the health center(s)				
.	51.5	52.2	48.3	50.6
Extremely satisfied	18.6	16.1	15.1	16.3
Satisfied	21.6	25.6	30.2	26.5
Unsatisfied	6.2	2.8	2.9	3.6
Extremely unsatisfied	2.1	3.3	3.5	3.1

MSM 2011 results  
Table 4 - Health Care-Seeking Behavior and HIV Testing

Characteristic	Age			ALL
	15-19	20-24	25+	
Q11c: Has been to JAS Clinics for clinical or treatment services since Sept 2010				
Yes, Montego Bay clinic	4.1	2.2	4.1	3.3
Yes, Kingston clinic	5.2	5.6	6.4	5.8
Yes, St Ann clinic	2.1	2.8	9.9	5.3
No	88.7	89.4	79.7	85.5
Q12: Been told by doctor respondent has sexually transmitted infection				
Yes	11.3	32.2	48.3	33.9
No	88.7	67.8	51.7	66.1
Q13a: Has had an HIV test				
Yes	55.7	82.2	88.4	78.8
No	44.3	17.8	11.6	21.2
Q13b: Most recent HIV test				
.	44.3	17.8	11.6	21.2
Within the past 12 months	47.4	59.4	62.2	57.9
Over 12 months ago	6.2	16.1	12.2	12.5
2-4 years ago	1.0	5.6	11.0	6.7
5 or more years ago	0.0	1.1	2.9	1.6
Missing	1.0	0.0	0.0	0.2
Q13c: Got HIV test results				
.	44.3	17.8	11.6	21.2
Yes, got result	55.7	75.6	80.2	73.1
No, did not get results	0.0	6.7	8.1	5.8
Q13d: Counseled when got result				
.	44.3	17.8	11.6	21.2
Yes, counseled	51.5	56.7	64.5	58.6
Not counseled	4.1	18.9	16.9	14.9
Not applicable	0.0	6.7	7.0	5.3
Q14: Attended a Men's Health Workshop sponsored by the Ministry of Health since 2008				
Yes	36.1	45.0	44.2	42.8
No	61.9	54.4	55.8	56.6
Missing	2.1	0.6	0.0	0.7
Q15a: Received information about preventing transmission of HIV from MOH				
.	14.4	17.8	17.4	16.9
Yes	57.7	45.0	50.6	49.9
No	27.8	37.2	32.0	33.2
Q15b: Received information about preventing transmission of HIV from other organization				
.	14.4	18.9	17.4	17.4
Yes	14.4	16.7	15.1	15.6

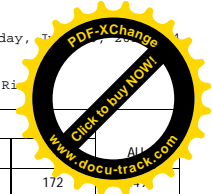


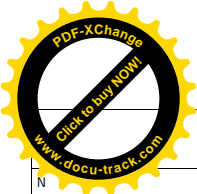
MSM 2011 results  
Table 4 - Health Care-Seeking Behavior and HIV Testing

Characteristic	Age			ALL
	15-19	20-24	25+	
	71.1	63.9	67.4	66.8
Missing	0.0	0.6	0.0	0.2

MSM 2011 results  
Table 5 - Exposure to HIV Prevention Programs and Self-Reported Ability to Avoid Risk

Characteristic	Age			
	15-19	20-24	25+	ALL
N	97	180	172	449
Q15a: Received information about preventing transmission of HIV from MOH				
-	14.4	17.8	17.4	16.9
Yes	57.7	45.0	50.6	49.9
No	27.8	37.2	32.0	33.2
Q15b: Received information about preventing transmission of HIV from other organization				
-	14.4	18.9	17.4	17.4
Yes	14.4	16.7	15.1	15.6
No	71.1	63.9	67.4	66.8
Missing	0.0	0.6	0.0	0.2
Q15c: Received information from JAS				
-	14.4	18.9	17.4	17.4
Yes	21.6	25.0	33.7	27.6
No	63.9	56.1	48.8	55.0
Q15d: Attended JAS workshop				
-	14.4	18.9	17.4	17.4
Yes	11.3	12.2	16.9	13.8
No	74.2	68.3	65.7	68.6
Missing	0.0	0.6	0.0	0.2
Q15e: Received information from RED CROSS				
-	14.4	18.9	17.4	17.4
Yes	6.2	6.1	8.1	6.9
No	79.4	75.0	74.4	75.7
Q15f: Attended RED CROSS workshop				
-	14.4	18.9	17.4	17.4
Yes	2.1	2.2	5.8	3.6
No	83.5	78.3	76.2	78.6
Missing	0.0	0.6	0.6	0.4
Q16: Have you ever seen this risk card?				
Yes	66.0	77.2	81.4	76.4
No	33.0	22.2	18.0	22.9
Missing	1.0	0.6	0.6	0.7
A36: Ability to avoid behavior that may put respondent at risk of HIV infection				
Strongly agree	64.9	76.1	66.3	69.9
Somewhat agree	15.5	12.8	17.4	15.1
Somewhat disagree	3.1	3.3	4.1	3.6
Strongly disagree	14.4	6.1	10.5	9.6
Missing	2.1	1.7	1.7	1.8

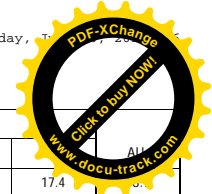


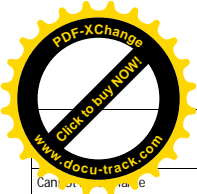
MSM 2011 results  
Table 6 - Use of Condoms and Lubricants

Characteristic	Age			ALL
	15-19	20-24	25+	
N	97	180	172	449
Q17: Have you ever used a condom?				
Yes	96.9	98.3	97.7	97.8
No	3.1	1.7	2.3	2.2
Q18: Do you keep condoms at home?				
Yes	80.4	87.2	94.2	88.4
No	19.6	12.8	5.8	11.6
Q19: Do you have a condom with you now?				
Yes, but can't be seen	2.1	1.7	4.7	2.9
Yes and condom seen	16.5	17.2	27.9	21.2
No condom	81.4	81.1	67.4	75.9
Q20: Last time had sex without a condom				
In the past 24 hours	5.2	2.8	3.5	3.6
In past 48 hours	2.1	3.3	2.3	2.7
In past 4 weeks	23.7	23.9	20.9	22.7
In past 3 months	12.4	14.4	11.6	12.9
In past 6 months	13.4	11.1	8.7	10.7
In past 7-12 months	9.3	12.8	10.5	11.1
Over year ago	15.5	14.4	22.1	17.6
Over 5 years ago	0.0	6.7	10.5	6.7
Never w/o condom	18.6	10.6	9.9	12.0
Q21a: Ever used lubricant during anal sex				
Yes	84.5	93.9	93.0	91.5
No, never	15.5	6.1	7.0	8.5
Q21b: How often used lubricant during anal sex				
.	14.4	5.0	5.2	7.1
Did not use in past 3 months	6.2	7.2	5.8	6.5
Less than half the time	7.2	5.6	8.7	7.1
Half the time	5.2	8.9	6.4	7.1
More than half the time	5.2	3.3	1.2	2.9
Almost always	14.4	11.1	14.5	13.1
Always	33.0	45.6	45.3	42.8
No sex in past 3 months	14.4	12.2	11.0	12.2
Missing	0.0	1.1	1.7	1.1
Q21c: KY jelly				
.	14.4	5.6	5.2	7.3
Yes	47.4	47.2	52.3	49.2
No	17.5	27.2	23.8	23.8
Missing	0.0	0.6	1.2	0.7

MSM 2011 results  
Table 6 - Use of Condoms and Lubricants

Characteristic	Age			ALL
	15-19	20-24	25+	
NA	20.6	19.4	17.4	19.1
Q21d: Eve				
.	14.4	5.6	5.2	7.3
Yes	6.2	9.4	18.0	12.0
No	57.7	65.0	58.1	60.8
Missing	0.0	0.6	1.7	0.9
NA	21.6	19.4	16.9	18.9
Q21e: Spit				
.	14.4	5.6	5.2	7.3
Yes	17.5	22.2	21.5	20.9
No	46.4	52.2	54.7	51.9
Missing	0.0	0.6	1.7	0.9
NA	21.6	19.4	16.9	18.9
Q21f: Vaseline				
.	14.4	5.6	5.2	7.3
Yes	20.6	22.8	26.2	23.6
No	43.3	51.7	50.0	49.2
Missing	0.0	0.6	1.7	0.9
NA	21.6	19.4	16.9	18.9
Q21g: Other				
.	14.4	5.6	5.2	7.3
Yes	30.9	45.6	44.8	42.1
No	34.0	28.3	31.4	30.7
Missing	0.0	0.6	1.7	0.9
NA	20.6	20.0	16.9	18.9
SPECIFY				
	69.1	55.0	55.2	58.1
? Brand	0.0	0.6	0.0	0.2
? brand	0.0	0.6	0.0	0.2
? brand + Lotion Olive Oil	0.0	0.0	0.6	0.2
? name	1.0	0.0	0.0	0.2
Astroglide	0.0	0.6	0.0	0.2
Baby Oil	2.1	1.1	2.3	1.8
Baby oil	2.1	0.6	1.2	1.1
Blue & White box can't recall	0.0	0.0	0.6	0.2
Brand + Lotion	0.0	0.6	0.0	0.2
Can't Remember name	1.0	0.0	0.0	0.2
Cannot recall	1.0	1.1	0.6	0.9
Cannot recall brand	2.1	1.7	2.3	2.0

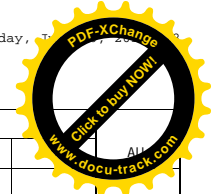


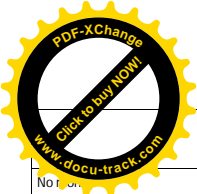
MSM 2011 results  
Table 6 - Use of Condoms and Lubricants

Characteristic	Age			ALL
	15-19	20-24	25+	
Cannot recall name	1.0	0.6	0.6	0.7
Cannot recall name. Blue and white box	0.0	0.0	0.6	0.2
Don't know name	1.0	0.0	0.0	0.2
Durex	0.0	0.0	1.2	0.4
Hair Oil	0.0	0.6	0.0	0.2
Hair condition	0.0	0.0	0.6	0.2
His and Hers	0.0	0.6	0.0	0.2
Lotion	12.4	21.7	22.7	20.0
Lotion + ?brand	0.0	0.6	0.0	0.2
Lotion + Cannot recall name	0.0	0.6	0.0	0.2
Lotion, Baby Oil	0.0	0.6	0.0	0.2
Lotion, Baby oil, Lubricating gel (cannot recall)	0.0	0.6	0.0	0.2
Lotion, MOH lub	0.0	0.0	0.6	0.2
Lotion, Oil	0.0	0.6	0.0	0.2
Lotion, cannot recall name of lubricating gel	0.0	0.0	0.6	0.2
Love	1.0	0.0	0.0	0.2
Lubs	0.0	0.6	0.0	0.2
MOH Clinic lub	0.0	0.6	0.0	0.2
Mac's	1.0	0.6	0.0	0.4
Mac's Lubricating gel	0.0	0.6	0.0	0.2
Macs	1.0	5.6	5.2	4.5
Macs + Cannot recall brand	0.0	0.0	0.6	0.2
Macs Lubricating Gel	0.0	0.6	0.0	0.2
Macs Lubricating gel	0.0	0.6	1.2	0.7
Macs lubricating gel	0.0	0.0	1.2	0.4
Olive Oil	0.0	0.0	0.6	0.2
Play	0.0	0.6	0.0	0.2
Play-Durex	0.0	0.6	0.0	0.2
Red + blue writing cannot recall name	0.0	0.6	0.0	0.2
Shampoo	1.0	0.6	0.0	0.4
Trojan	0.0	0.0	0.6	0.2
Water	0.0	0.0	0.6	0.2
Water Base	1.0	0.0	0.0	0.2
Water Lube	1.0	0.0	0.0	0.2
Water base JAS	0.0	0.6	0.0	0.2
Wet and Wild, Lotion	0.0	0.6	0.0	0.2
White Tube	1.0	0.0	0.0	0.2
White tube	0.0	0.0	0.6	0.2

MSM 2011 results  
Table 6 - Use of Condoms and Lubricants

Characteristic	Age			
	15-19	20-24	25+	ALL
Q26g: Used condom when last had anal sex with main male partner				
.	25.8	45.6	44.8	41.0
Yes	45.4	33.3	32.6	35.6
No	15.5	18.3	15.1	16.5
No main partner	13.4	2.8	7.6	6.9
Q26h: Used condom when last had vaginal sex with main female partner				
.	25.8	45.6	44.8	41.0
Yes	21.6	7.2	14.5	13.1
No	9.3	8.3	8.7	8.7
Missing	1.0	0.0	0.0	0.2
No main partner	42.3	38.9	32.0	37.0
Q29e: Last time had anal sex respondent or partner used a condom				
Yes	74.2	70.0	75.6	73.1
No	23.7	30.0	24.4	26.5
Missing	2.1	0.0	0.0	0.4
A10: Last time on bottom partner used condom				
Yes	60.8	58.3	44.8	53.7
No	18.6	22.2	22.1	21.4
Missing	0.0	0.6	1.7	0.9
Not applicable	20.6	18.9	31.4	24.1
A11: Last time on top used condom				
Yes	45.4	57.2	65.7	57.9
No	18.6	16.7	15.1	16.5
Missing	1.0	0.0	2.9	1.3
Not applicable	35.1	26.1	16.3	24.3
A15: Frequency of condom use during last 4 times had anal sex				
0	10.3	10.6	8.7	9.8
1	8.2	8.3	7.0	7.8
2	17.5	13.3	11.0	13.4
3	14.4	20.6	21.5	19.6
4	47.4	46.1	50.6	48.1
9	2.1	1.1	1.2	1.3
A16: Had sex without condom because thinks has same HIV status				
Yes	39.2	43.9	34.3	39.2
No	59.8	55.6	62.8	59.2
Missing	1.0	0.6	2.9	1.6
A21: Used a condom the last time respondent or partner was paid cash for sex				
Yes	26.8	19.4	19.8	21.2
No	8.2	11.1	11.6	10.7

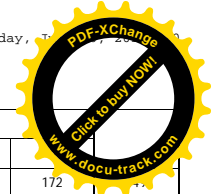


MSM 2011 results  
Table 6 - Use of Condoms and Lubricants

Characteristic	Age			ALL
	15-19	20-24	25+	
No main partner	63.9	68.9	66.9	67.0
Missing	1.0	0.6	1.7	1.1
A32: Has difficulty letting a sex partner know he wants to use a condom				
Yes	24.7	25.6	19.8	23.2
No	74.2	73.9	78.5	75.7
Missing	1.0	0.6	1.7	1.1
A33: Has difficulty using a condom with a person he has very strong feelings for				
Yes	30.9	28.9	25.0	27.8
No	68.0	70.6	72.1	70.6
Missing	1.0	0.6	2.9	1.6
A34: Used a condom the last time had sex with main MALE partner				
Yes	51.5	42.8	39.5	43.4
No	23.7	22.2	19.8	21.6
No main partner	22.7	34.4	38.4	33.4
Missing	2.1	0.6	2.3	1.6
A35: Used a condom the last time had sex with main FEMALE partner				
Yes	28.9	15.0	18.6	19.4
No	13.4	15.6	13.4	14.3
No main partner	51.5	67.2	65.7	63.3
Missing	6.2	2.2	2.3	3.1

MSM 2011 results  
Table 8 - Main and Regular Male Partnerships and Condom Use

Table 1	Age			
	15-19	20-24	25+	ALL
N	97	180	172	449
Q26a: Have main partner				
Yes, main partner	74.2	54.4	55.2	59.0
No main partner	25.8	45.6	44.8	41.0
Q26b: Main partner male or female				
.	25.8	45.6	44.8	41.0
Male	44.3	39.4	32.6	37.9
Female	13.4	2.8	7.6	6.9
Both male and female	16.5	12.2	15.1	14.3
Q26c: When most recently had anal sex with male partner				
.	25.8	45.6	44.8	41.0
In the past 4 weeks	45.4	40.6	34.3	39.2
In the past 2-3 months	4.1	5.6	7.0	5.8
In the past 4-6 months	6.2	3.3	4.1	4.2
In the past 7-12 months	4.1	2.2	1.2	2.2
Over 12 months ago	1.0	0.0	1.2	0.7
No main partner	13.4	2.8	7.6	6.9
Q26d: When first had anal sex with male partner				
.	25.8	45.6	44.8	41.0
In the past 4 weeks	11.3	6.1	1.7	5.6
In the past 2-3 months	12.4	7.2	7.0	8.2
In the past 4-6 months	15.5	7.2	8.1	9.4
In the past 7-12 months	7.2	10.6	5.8	8.0
Over 12 months ago	14.4	18.3	18.0	17.4
Over 5 years ago	0.0	2.2	6.4	3.3
No main partner	13.4	2.8	7.6	6.9
Missing	0.0	0.0	0.6	0.2
Q26e: When most recently had vaginal sex with female partner				
.	25.8	45.6	44.8	41.0
In the past 4 weeks	14.4	10.0	14.0	12.5
In the past 2-3 months	10.3	1.7	4.1	4.5
In the past 4-6 months	1.0	2.2	1.2	1.6
In the past 7-12 months	1.0	0.0	2.3	1.1
Over 12 months ago	3.1	0.6	1.2	1.3
Over 5 years ago	1.0	0.6	0.6	0.7
No main partner	43.3	39.4	32.0	37.4
Q26f: When first had vaginal sex with female partner				
.	25.8	45.6	44.8	41.0
In the past 4 weeks	3.1	0.6	1.7	1.6



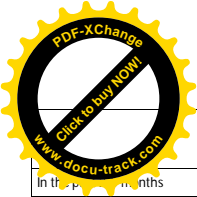
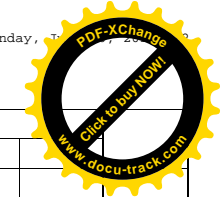
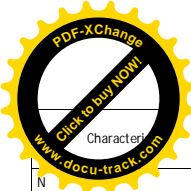
MSM 2011 results  
Table 8 - Main and Regular Male Partnerships and Condom Use

Table 1	Age			
	15-19	20-24	25+	
In the past 3 months	8.2	1.7	0.6	2.7
In the past 4-6 months	2.1	1.7	1.7	1.8
In the past 7-12 months	6.2	1.7	2.9	3.1
Over 12 months ago	9.3	6.7	8.1	7.8
Over 5 years ago	2.1	2.8	8.1	4.7
No main partner	43.3	39.4	32.0	37.4
Q26i: Thinks main MALE partner has had sex with another person in the past 6 months				
.	27.8	45.6	45.3	41.6
Yes	33.0	30.6	26.2	29.4
No	25.8	18.9	20.9	21.2
Missing	0.0	1.7	0.0	0.7
No main male partner	13.4	3.3	7.6	7.1
Q26j: Thinks main FEMALE partner has had sex with another person in the past 6 months				
.	25.8	45.6	44.8	41.0
Yes	22.7	8.3	12.2	12.9
No	9.3	7.8	11.0	9.4
No main female partner	42.3	38.3	32.0	36.7
Q27a: Has had sex at least 3 times in past 3 months with a MAN				
Yes	29.9	42.2	42.4	39.6
No	69.1	57.8	57.6	60.1
Missing	1.0	0.0	0.0	0.2
Q27b: Has had sex at least 3 times in past 3 months with a WOMAN				
Yes	15.5	14.4	13.4	14.3
No	84.5	85.6	86.0	85.5
Missing	0.0	0.0	0.6	0.2
A12: Last time had anal sex was with main, new first-time or neither main or first-time partner				
Main partner	49.5	42.8	36.6	41.9
New partner	26.8	31.7	30.2	30.1
Neither	22.7	24.4	30.8	26.5
Missing	1.0	1.1	2.3	1.6
A22: Living with a woman who is a female sexual partner				
Yes	4.1	8.3	9.9	8.0
No	92.8	91.1	87.8	90.2
Missing	3.1	0.6	2.3	1.8
A28: Knows HIV status of your main male partner				
Yes	18.6	18.3	24.4	20.7
No	49.5	42.8	34.3	41.0
No main partner	29.9	36.7	39.5	36.3
Missing	2.1	2.2	1.7	2.0

MSM 2011 results  
Table 8 - Main and Regular Male Partnerships and Condom Use

Table 1	Age			
	15-19	20-24	25+	26+
A29: main male partner knows respondent's status				
Yes	23.7	27.2	27.9	26.7
No	41.2	30.0	23.8	30.1
Missing	0.0	0.6	1.7	0.9
Not applicable	35.1	42.2	46.5	42.3
A30: Main female partner knows status				
Yes	7.2	7.8	11.6	9.1
No	25.8	15.0	16.3	17.8
Missing	0.0	2.2	1.7	1.6
Not applicable	67.0	75.0	70.3	71.5
A34: Used a condom the last time had sex with main MALE partner				
Yes	51.5	42.8	39.5	43.4
No	23.7	22.2	19.8	21.6
No main partner	22.7	34.4	38.4	33.4
Missing	2.1	0.6	2.3	1.6
A35: Used a condom the last time had sex with main FEMALE partner				
Yes	28.9	15.0	18.6	19.4
No	13.4	15.6	13.4	14.3
No main partner	51.5	67.2	65.7	63.3
Missing	6.2	2.2	2.3	3.1





MSM 2011 results

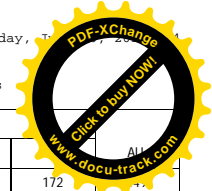
Table 9 - Places where Male Partner were Met and Condom Use with Those Partners

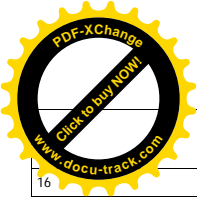
Characteristic	Age			ALL
	15-19	20-24	25+	
N	97	180	172	449
Q28a: MSM party				
Yes	26.8	26.1	19.2	23.6
No	73.2	73.9	80.8	76.4
Q28b: Private home				
Yes	47.4	40.6	36.0	40.3
No	52.6	59.4	64.0	59.7
Q28c: Bar or club				
Yes	23.7	16.1	13.4	16.7
No	76.3	83.9	86.6	83.3
Q28d: On the internet				
Yes	40.2	32.2	23.8	30.7
No	59.8	67.2	76.2	69.0
Missing	0.0	0.6	0.0	0.2
Q28e: Street				
Yes	28.9	27.8	30.8	29.2
No	71.1	72.2	68.6	70.6
Missing	0.0	0.0	0.6	0.2
Q28f: Other				
Yes	16.5	23.9	22.7	21.8
No	83.5	75.0	75.6	77.1
Missing	0.0	1.1	1.7	1.1

MSM 2011 results

Table 10 - Number, Type and Age of Partners in the past 4 Weeks and 12 Months

Characteristic	Age			
	15-19	20-24	25+	ALL
N	97	180	172	449
Q29a: TOTAL MEN in past 4 weeks				
0	36.1	34.4	38.4	36.3
1	44.3	35.6	30.2	35.4
2	12.4	18.3	15.7	16.0
3	4.1	8.3	7.6	7.1
4	0.0	0.6	4.1	1.8
5	1.0	1.7	2.9	2.0
6	0.0	0.6	0.0	0.2
7	0.0	0.6	0.0	0.2
8	1.0	0.0	0.6	0.4
10	1.0	0.0	0.0	0.2
15	0.0	0.0	0.6	0.2
Q29b: NEW MEN in past 4 weeks				
0	67.0	71.1	70.9	70.2
1	23.7	18.9	16.9	19.2
2	4.1	5.0	3.5	4.2
3	2.1	3.3	4.7	3.6
4	0.0	0.0	2.9	1.1
5	1.0	1.1	0.6	0.9
6	1.0	0.0	0.0	0.2
7	0.0	0.6	0.0	0.2
8	1.0	0.0	0.6	0.4
Q29c: TOTAL MEN in past 12 months				
0	7.2	2.8	6.4	5.1
1	17.5	17.2	19.8	18.3
2	20.6	16.1	19.8	18.5
3	16.5	16.1	15.1	15.8
4	8.2	10.6	9.9	9.8
5	15.5	13.3	5.8	10.9
6	2.1	3.9	4.1	3.6
7	4.1	4.4	1.7	3.3
8	1.0	1.1	3.5	2.0
9	1.0	1.7	0.6	1.1
10	1.0	3.9	6.4	4.2
12	1.0	1.1	2.9	1.8
13	2.1	0.0	0.0	0.4
14	1.0	0.0	0.0	0.2
15	0.0	1.7	0.0	0.7

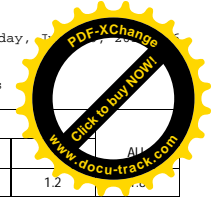


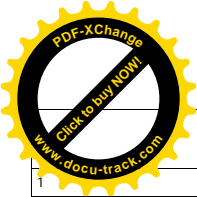
MSM 2011 results  
Table 10 - Number, Type and Age of Parnters in the past 4 Weeks and 12 Months

Characteristic	Age			ALL
	15-19	20-24	25+	
16	0.0	0.6	0.0	0.2
19	0.0	0.6	0.0	0.2
20	0.0	2.8	1.2	1.6
22	0.0	0.0	0.6	0.2
25	1.0	1.1	0.6	0.9
28	0.0	0.0	0.6	0.2
30	0.0	0.6	0.6	0.4
35	0.0	0.6	0.0	0.2
60	0.0	0.0	0.6	0.2
Q29d: NEW MEN in past 12 months				
0	21.6	16.1	27.3	21.6
1	25.8	28.9	28.5	28.1
2	24.7	22.8	16.3	20.7
3	12.4	10.6	8.7	10.2
4	4.1	5.6	4.1	4.7
5	4.1	4.4	4.1	4.2
6	1.0	1.7	2.3	1.8
7	1.0	2.2	1.2	1.6
8	0.0	1.1	1.2	0.9
9	1.0	0.0	0.0	0.2
10	3.1	1.1	2.3	2.0
12	1.0	0.0	0.6	0.4
14	0.0	0.6	0.6	0.4
15	0.0	1.1	0.0	0.4
17	0.0	1.7	0.0	0.7
18	0.0	0.0	1.2	0.4
20	0.0	0.6	0.0	0.2
25	0.0	0.6	1.2	0.7
30	0.0	0.6	0.0	0.2
35	0.0	0.6	0.0	0.2
45	0.0	0.0	0.6	0.2
Q29e: Last time had anal sex respondent or partner used a condom				
Yes	74.2	70.0	75.6	73.1
No	23.7	30.0	24.4	26.5
Missing	2.1	0.0	0.0	0.4
Q30a: TOTAL WOMEN in past 4 weeks				
0	73.2	78.9	76.2	76.6
1	17.5	13.3	16.9	15.6
2	5.2	3.3	3.5	3.8

MSM 2011 results  
Table 10 - Number, Type and Age of Parnters in the past 4 Weeks and 12 Months

Characteristic	Age			ALL
	15-19	20-24	25+	
3	2.1	2.2	1.2	1.8
4	1.0	0.0	0.6	0.4
5	1.0	0.6	0.6	0.7
6	0.0	0.6	0.6	0.4
10	0.0	0.0	0.6	0.2
12	0.0	0.6	0.0	0.2
30	0.0	0.6	0.0	0.2
Q30b: In the past 12 months, had sex with a woman lived with or married to at the time				
Yes	3.1	9.4	16.3	10.7
No	96.9	90.6	83.7	89.3
Q30c: TOTAL WOMEN in past 12 months				
0	49.5	61.7	56.4	57.0
1	20.6	15.0	19.8	18.0
2	6.2	5.6	12.2	8.2
3	7.2	3.9	1.7	3.8
4	4.1	3.9	1.7	3.1
5	1.0	0.6	1.2	0.9
6	1.0	3.3	1.2	2.0
7	0.0	1.1	0.6	0.7
8	2.1	0.0	0.0	0.4
10	1.0	0.6	0.6	0.7
11	0.0	0.6	0.6	0.4
12	1.0	0.0	0.0	0.2
13	1.0	0.0	0.0	0.2
15	3.1	0.6	1.2	1.3
16	0.0	0.6	0.0	0.2
20	1.0	0.6	1.2	0.9
28	0.0	0.6	0.0	0.2
30	1.0	0.0	1.2	0.7
35	0.0	0.6	0.0	0.2
40	0.0	1.1	0.0	0.4
100	0.0	0.0	0.6	0.2
Q30d: Last time had sex with woman respondent used a condom				
Yes	50.5	47.8	55.2	51.2
No	22.7	20.6	24.4	22.5
Missing	0.0	0.0	0.6	0.2
Never with a woman	26.8	31.7	19.8	26.1
A2: Number of "one night stands"				
0	43.3	36.1	34.9	37.2

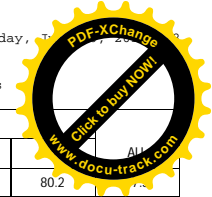


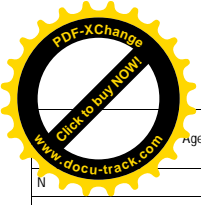
MSM 2011 results  
Table 10 - Number, Type and Age of Parnters in the past 4 Weeks and 12 Months

Characteristic	Age			ALL
	15-19	20-24	25+	
1	20.6	16.7	23.8	20.3
2	20.6	15.6	13.4	15.8
3	5.2	7.8	9.9	8.0
4	1.0	4.4	2.9	3.1
5	3.1	5.0	1.2	3.1
6	0.0	1.1	1.7	1.1
7	1.0	1.7	2.3	1.8
8	0.0	2.2	1.2	1.3
9	0.0	1.1	0.6	0.7
10	1.0	2.2	1.7	1.8
11	1.0	0.0	0.0	0.2
12	0.0	0.6	0.6	0.4
14	0.0	0.6	0.0	0.2
15	0.0	1.1	1.2	0.9
17	1.0	0.0	0.0	0.2
20	1.0	0.6	0.6	0.7
25	0.0	0.6	0.0	0.2
26	0.0	0.0	0.6	0.2
28	0.0	0.6	0.6	0.4
30	0.0	0.6	0.6	0.4
999	1.0	1.7	2.3	1.8
A3: Had anal sex with 2 different men within 72 hours				
Yes	14.4	23.3	20.9	20.5
No	82.5	75.6	77.3	77.7
Missing	3.1	1.1	1.7	1.8
A17: Helped a person had sex with by giving money for expenses				
Yes	21.6	31.7	51.2	37.0
No	77.3	67.8	47.1	61.9
Missing	1.0	0.6	1.7	1.1
A18: Respondent been helped with money be person had sex with				
Yes	60.8	45.0	30.8	43.0
No	38.1	54.4	67.4	55.9
Missing	1.0	0.6	1.7	1.1
A19: Paid cash money for sex				
Yes	2.1	8.9	18.6	11.1
No	96.9	90.6	79.7	87.8
Missing	1.0	0.6	1.7	1.1
A20: Respondent been paid cash money for sex				
Yes	26.8	21.1	18.0	21.2

MSM 2011 results  
Table 10 - Number, Type and Age of Parnters in the past 4 Weeks and 12 Months

Characteristic	Age			ALL
	15-19	20-24	25+	
No	72.2	77.8	80.2	76.7
Missing	1.0	1.1	1.7	1.3
A23: Sexual orientation				
Exclusively homosexual	30.9	45.6	39.5	40.1
Bisexual	66.0	51.7	57.0	56.8
Heterosexual/straight	1.0	2.2	1.7	1.8
Missing	2.1	0.6	1.7	1.3



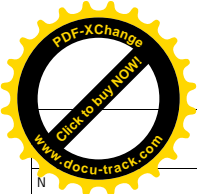
MSM 2011 results  
Table 11 - Age at First Sex

Characteristic	Age			ALL
	15-19	20-24	25+	
N	97	180	172	449
A5: Age first had anal sex with a man				
6	1.0	1.7	0.6	1.1
7	2.1	0.0	0.0	0.4
8	1.0	0.6	0.0	0.4
9	1.0	0.0	1.2	0.7
10	2.1	1.7	2.3	2.0
11	1.0	0.6	2.9	1.6
12	7.2	3.9	2.9	4.2
13	6.2	5.6	3.5	4.9
14	12.4	6.7	7.6	8.2
15	14.4	11.7	3.5	9.1
16	22.7	16.7	5.8	13.8
17	13.4	15.0	6.4	11.4
18	11.3	11.7	8.1	10.2
19	0.0	12.2	7.0	7.6
20	0.0	7.8	12.8	8.0
21	0.0	2.2	4.7	2.7
22	0.0	1.1	3.5	1.8
23	0.0	0.0	3.5	1.3
24	0.0	0.0	5.2	2.0
25	0.0	0.0	4.1	1.6
26	0.0	0.0	1.7	0.7
27	0.0	0.0	0.6	0.2
28	0.0	0.0	0.6	0.2
29	0.0	0.0	1.2	0.4
30	0.0	0.0	2.3	0.9
31	0.0	0.0	0.6	0.2
33	0.0	0.0	0.6	0.2
34	0.0	0.0	0.6	0.2
38	0.0	0.0	0.6	0.2
40	0.0	0.0	0.6	0.2
43	0.0	0.0	1.2	0.4
45	0.0	0.0	0.6	0.2
66	0.0	0.6	0.0	0.2
Missing	4.1	0.6	3.5	2.4

MSM 2011 results  
Table 12 - Type and Frequency of Sexual Behavior

Characteristic	Age			ALL
	15-19	20-24	25+	
N	97	180	172	449
A6: Anal on bottom				
.	0.0	0.6	0.0	0.2
Yes	67.0	73.3	54.1	64.6
No	32.0	25.0	43.0	33.4
Missing	1.0	1.1	2.9	1.8
A7: Anal on top				
Yes	50.5	63.9	71.5	63.9
No	47.4	35.0	25.0	33.9
Missing	2.1	1.1	3.5	2.2
A8: Versed				
Yes	32.0	48.3	43.0	42.8
No	66.0	50.0	53.5	54.8
Missing	2.1	1.7	3.5	2.4
A9: Oral				
Yes	58.8	71.7	70.3	68.4
No	40.2	27.2	26.7	29.8
Missing	1.0	1.1	2.9	1.8
A13: Frequency of anal sex in last 4 weeks				
Daily	1.0	1.1	0.6	0.9
4-6 times per week	3.1	7.2	6.4	6.0
1-3 times per week	25.8	25.6	28.5	26.7
Less than once a week	32.0	33.9	32.0	32.7
Never	35.1	30.6	29.1	31.0
Missing	3.1	1.7	3.5	2.7



MSM 2011 results  
Table 13 -Information Related to Violence and Stigma

Characteristic	Age			ALL
	15-19	20-24	25+	
N	97	180	172	449
A24: Has been a victim of rape				
Yes	13.4	16.1	17.4	16.0
No	85.6	83.3	80.8	82.9
Missing	1.0	0.6	1.7	1.1
A25: Has been a victim of physical violence because has sex with men				
Yes	28.9	20.6	35.5	28.1
No	70.1	78.9	62.8	70.8
Missing	1.0	0.6	1.7	1.1
A26: Has been victim of verbal abuse because has sex with men				
Yes	45.4	58.3	57.6	55.2
No	51.5	41.1	40.7	43.2
Missing	3.1	0.6	1.7	1.6
A27: Scale of how comfortable telling people has sex with men				
Not comfortable with anyone	45.4	36.1	50.6	43.7
Less than half	35.1	37.2	29.7	33.9
Half the people I know	6.2	13.3	7.6	9.6
More than half	1.0	4.4	4.7	3.8
Comfortable with everyone	11.3	7.2	5.2	7.3
Missing	1.0	1.7	2.3	1.8
A38: Willing to buy food or vegetables from a shopkeeper/foodseller that has HIV				
Yes	51.5	60.6	73.8	63.7
No	30.9	20.0	14.5	20.3
Don't know	16.5	18.9	9.9	14.9
Missing	1.0	0.6	1.7	1.1

## Appendix 2 Site and Event Tables

MSM 2011 results by divided into groups based on those who give or receive cash for sex and those who do not. N=443 MSM (6 MSM with test results and surveys were missing information on cash giving or receiving)

	Cash					No Cash				
	HIV+		HIV-		All	HIV+		HIV-		All
	n	%	n	%		n	%	n	%	
All	51	40.8	74	59.2	125	86	27	232	73	318
Age										
15-24	25	35.7	45	64.3	70	41	20.1	163	79.9	204
25+	26	47.3	29	52.7	55	45	39.5	69	60.5	114
Interviewer considers participant to have high SES										
No	30	46.2	35	53.8	65	36	42.4	49	57.6	85
Yes	21	35	39	65	60	50	21.5	183	78.5	233
Has at least some secondary school										
Missing	1	25	3	75	4	1	8.3	11	91.7	12
No	14	56	11	44	25	23	42.6	31	57.4	54
Yes	36	37.5	60	62.5	96	62	24.6	190	75.4	252
Literate										
No	9	52.9	8	47.1	17	16	44.4	20	55.6	36
Yes	42	38.9	66	61.1	108	70	24.8	212	75.2	282
female										
No	31	34.8	58	65.2	89	63	24.2	197	75.8	260
Yes	20	55.6	16	44.4	36	23	39.7	35	60.3	58
bisexual										
No	29	54.7	24	45.3	53	53	39.3	82	60.7	135
Yes	22	30.6	50	69.4	72	32	17.6	150	82.4	182
employed										
No	34	42	47	58	81	48	27.9	124	72.1	172
Yes	17	38.6	27	61.4	44	38	26	108	74	146
Currently married										
Missing	1	50	1	50	2			1	100	1
No	45	42.1	62	57.9	107	80	26.8	218	73.2	298
Yes	5	31.3	11	68.8	16	6	31.6	13	68.4	19
children										
No	43	44.8	53	55.2	96	73	26.4	204	73.6	277
Yes	8	27.6	21	72.4	29	13	31.7	28	68.3	41
Has a main partner										
Missing	13	33.3	26	66.7	39	45	31.3	99	68.8	144
No	4	28.6	10	71.4	14	4	23.5	13	76.5	17
Yes	34	47.2	38	52.8	72	37	23.6	120	76.4	157
Has experienced physical violence										



	Cash					No Cash				
	HIV+		HIV-		All	HIV+		HIV-		All
	n	%	n	%		n	%	n	%	
No	23	31.5	50	68.5	73	62	25.4	182	74.6	244
Yes	28	53.8	24	46.2	52	24	32.4	50	67.6	74
Ever been to jail										
No	25	33.8	49	66.2	74	63	25.1	188	74.9	251
Yes	26	51	25	49	51	23	34.3	44	65.7	67
Ever spent high outside										
No	27	33.8	53	66.3	80	73	26.4	204	73.6	277
Yes	21	50	21	50	42	13	32.5	27	67.5	40
Missing	3	100	.	.	3	.	.	1	100	1
Ever been raped										
No	38	36.2	67	63.8	105	70	26.3	196	73.7	266
Yes	13	65	7	35	20	16	30.8	36	69.2	52
Perceived risk of becoming infected with HIV										
No chance of getting HIV	6	24	19	76	25	7	12.5	49	87.5	56
Little chance of getting HIV	10	23.8	32	76.2	42	18	13.3	117	86.7	135
Moderate chance of getting HIV	8	36.4	14	63.6	22	5	9.4	48	90.6	53
Good chance of getting HIV	13	61.9	8	38.1	21	9	34.6	17	65.4	26
Already infected	14	100	.	.	14	47	97.9	1	2.1	48
Perceived ability to avoid HIV infection										
Strongly agree	33	37.5	55	62.5	88	52	23	174	77	226
Somewhat agree	6	40	9	60	15	19	35.8	34	64.2	53
Somewhat disagree	4	66.7	2	33.3	6	5	50	5	50	10
Strongly disagree	8	53.3	7	46.7	15	10	37	17	63	27
Missing	.	.	1	100	1	.	.	2	100	2
Consumes alcohol daily										
No	46	40.4	68	59.6	114	79	26.4	220	73.6	299
Yes	5	45.5	6	54.5	11	7	36.8	12	63.2	19
Consumes alcohol weekly										
No	36	42.9	48	57.1	84	71	27.8	184	72.2	255
Yes	15	36.6	26	63.4	41	15	23.8	48	76.2	63
Has visited JAS clinic										
No	36	36	64	64	100	70	25.1	209	74.9	279
Yes	15	60	10	40	25	16	41	23	59	39
Ever tested for HIV										
No	8	28.6	20	71.4	28	10	14.9	57	85.1	67
Yes	43	44.3	54	55.7	97	76	30.3	175	69.7	251
Ever attended a workshop										
No	30	37.5	50	62.5	80	37	21.5	135	78.5	172

	Cash					No Cash				
	HIV+		HIV-		All	HIV+		HIV-		All
	n	%	n	%		n	%	n	%	
Yes	21	46.7	24	53.3	45	49	33.6	97	66.4	146
Seen this risk card										
No	9	31	20	69	29	17	22.1	60	77.9	77
Yes	42	43.8	54	56.3	96	69	28.6	172	71.4	241
Carrying a condom and can be seen by interviewer										
No	31	36	55	64	86	68	25.9	195	74.1	263
Yes	20	51.3	19	48.7	39	18	32.7	37	67.3	55
Receptive anal intercourse										
No	13	27.7	34	72.3	47	20	18.9	86	81.1	106
Yes	38	48.7	40	51.3	78	66	31.3	145	68.7	211
Versed										
No	20	31.3	44	68.8	64	42	22.3	146	77.7	188
Yes	31	50.8	30	49.2	61	44	33.8	86	66.2	130
5 or more one night stands										
No	28	30.8	63	69.2	91	74	25.8	213	74.2	287
Yes	23	67.6	11	32.4	34	12	38.7	19	61.3	31
5 or more new male partners in past 12 months										
No	30	34.1	58	65.9	88	75	25.8	216	74.2	291
Yes	21	56.8	16	43.2	37	11	40.7	16	59.3	27
2 or more partners in 72 hours										
No	23	28.4	58	71.6	81	76	28.1	194	71.9	270
Yes	28	63.6	16	36.4	44	10	20.8	38	79.2	48
Thinks partner has other partners										
Missing	17	32.1	36	67.9	53	49	29.7	116	70.3	165
No	8	33.3	16	66.7	24	19	26	54	74	73
Yes	26	54.2	22	45.8	48	18	22.5	62	77.5	80
Told by a doctor that he has STI										
No	21	27.6	55	72.4	76	39	17.9	179	82.1	218
Yes	30	61.2	19	38.8	49	47	47	53	53	100
Always use a condom										
No	48	42.9	64	57.1	112	81	29.2	196	70.8	277
Yes	3	23.1	10	76.9	13	5	12.2	36	87.8	41