



2011

H  
B  
S  
S

Integrated HIV Behavioral  
and Serologic Surveillance

Department of Health, National Epidemiology Center

## **2011 Integrated HIV Behavioral and Serologic Surveillance (IHBSS)**

Copyright © 2013 by National Epidemiology Center, Department of Health

No part of this publication may be reproduced, or stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without written permission of the publisher. Except in the case of brief quotation embodied in critical articles and reviews.

For information regarding permission, write to:  
National Epidemiology Center, Department of Health,  
2nd Floor, Building 19, San Lazaro Compound,  
Rizal Ave, Sta Cruz, Manila,  
1003, Philippines

Printed in the Philippines

Book design and layout:  
Joseph Humphrey T. Gorriceta Jr., MHSS

# TABLE OF CONTENTS

<b>2011 IHBSS Management Team</b>	<b>1</b>
<b>Acknowledgment</b>	<b>2</b>
<b>Executive Summary</b>	<b>3</b>
<b>The HIV Epidemic in the Philippines</b>	<b>5</b>
<b>IHBSS Background and Methodology</b>	<b>8</b>
<b>2011 IHBSS Results</b>	
<b><i>Section 1: Analysis of Key Program Indicators</i></b>	<b>14</b>
<b><i>Section 2: Fact Sheets</i></b>	<b>41</b>
<b><i>Most at Risk Population (MARP) Analysis</i></b>	
<i>Female Sex Workers (FSW)</i>	
<i>Men who have Sex with Men (MSM)</i>	
<i>Injecting Drug Users (IDU)</i>	
<b><i>Geographical Area Analysis</i></b>	
<i>Philippines</i>	
<i>National Capital Region (NCR)</i>	
<i>Site Specific</i>	
<b><i>Section 3: 2012 Philippine Global AIDS Response Progress Report (GARPR) and Global Fund Impact/Outcome Indicators</i></b>	<b>261</b>
<b><i>Section 4: Analysis of the Determinants of Condom Use and Other MSM Indicators</i></b>	<b>265</b>



# 2011 IHBSS

*“The HIV Epidemic in the Philippines” was originally written by Genesis May Samonte for the 2012 Philippine Global AIDS Response Progress (GARP) Report of the Philippine National AIDS Council. Except for minor changes, this section is an excerpt of the 2012 Philippine GARP Report.*

*“IHBSS Background and Methodology” was taken from the 2011 IHBSS Protocol written by Genesis May Samonte and Noel Palaypayon. Some minor changes have been made, however the bulk of this section was copied from the 2011 IHBSS Protocol of the National Epidemiology Center of the Department of Health (Philippines).*

*“2011 IHBSS Results” reports the findings of the 2011 IHBSS on Female Sex Workers, Males who have Sex with Males, and Injecting Drug Users. This report includes IHBSS results for Males based in Entertainment Establishments but not the other Occupational Cohorts of Men. The 2011 IHBSS Results is divided into three sections:*

**Section 1** discusses different key program indicators derived from IHBSS results which were not completely covered by the Fact Sheets. It is divided into Female Sex Workers, Males who have Sex with Males, and Injecting Drug Users.

*Data analysis and the write-up of this section were done by Genesis May Samonte. Data editing was done by Krizelle Anne Ronquillo and Jessica Raphaela Mirano. Conclusions and recommendations were written by Enrique A. Tayag, Agnes Benegas-Segarra, Genesis May Samonte, Noel Palaypayon, Krizelle Anne Ronquillo and Jessica Raphaela Mirano, all from the National Epidemiology Center of the Department of Health (Philippines).*

**Section 2** contains IHBSS Fact Sheets for the different most at-risk populations in the Philippines, as well as different geographical areas (Philippines, National Capital Region, and individual surveillance sites). All the Fact Sheets were analyzed using the 2011 IHBSS datasets that were finalized in August 2012. All values are being reported as they were collected by the surveillance teams. Age was the only variable that was checked for consistency between variables. No items were arbitrarily dropped from analysis unless specified.

*The IHBSS Fact Sheets were analyzed and prepared by Genesis May Samonte, Krizelle Anne Ronquillo, Geoffrey Gabriel Garcia, Angel Grace Zorilla, Mark Anthony Alindogan, Patricia Isabel Gayya-Amita, Jessica Raphaela Mirano, Juan Carlos Miguel Camacho, Naja Fragante, Ma. Lourdes Macapanpan, Hartzell Prado and Maria Lourdes Ann Ocampo of the National Epidemiology Center of the Department of Health (Philippines).*

**Section 3** is a copy of the indicators for the 2012 Philippine Global AIDS Response Progress Report submitted by the National Epidemiology Center to the Philippine National AIDS Council on March 31, 2012. It also includes the Global Fund Round 6 – HIV Impact/Outcome Indicators that were submitted by the National Epidemiology Center to the Bureau of International Health Cooperation of the Department of Health as part of the reporting requirements of the GF Round 6 where the Department of Health was the Principal Recipient. Some of indicators in these two reports were from the 2011 IHBSS.

*Data analysis for Sections 1 and 3 was done by Genesis May Samonte, Krizelle Anne Ronquillo, Ma. Lourdes Macapanpan, Hartzell Prado and Maria Lourdes Ann Ocampo of the National Epidemiology Center of the Department of Health (Philippines).*

**Section 4** is a copy of in-depth analysis of the 2011 IHBSS MSM indicators. The report was analyzed using the 2011 IHBSS MSM dataset that were finalized in August 2012. The in-depth analysis was funded by the United Nations Development Programme (UNDP) and was submitted to the National Epidemiology Center (NEC).

*Data analysis and write up for this section was done by Gilbert Madriaga.*

**National HIV & STI Surveillance and Strategic Information Unit  
National Epidemiology Center, Department of Health  
Manila, Philippines**

26 July 2013



## 2011 IHBSS MANAGEMENT TEAM

### **National Epidemiology Center**

Enrique A. Tayag, MD, FPSMID, PHSAE, CESO III  
Director IV  
National Epidemiology Center

Agnes B. Segarra, MD, PHSAE  
Medical Officer VII Chief  
Survey Risk Assessment and Evaluation Division

Genesis May J. Samonte, MD, PHSAE  
Manager, National HIV Sentinel Surveillance System (NHSSS) Unit  
Epidemiologist

Noel S. Palaypayon, RN, MGM-ESP  
Deputy Manager, National HIV Sentinel Surveillance System  
(NHSSS) Unit  
National IHBSS Coordinator

Krizelle Anne G. Ronquillo, RSW  
Assistant National IHBSS Coordinator

### Other NEC Staff Involved in Implementation and Analysis:

Ma. Lourdes Macapanpan  
Hartzell Prado  
Maria Lourdes Ann Ocampo  
Julius Elope  
Patricia Isabel Gayya-Amita

Geoffrey Gabriel Garcia  
Humphrey Gorriceta Jr.  
Angel Grace Zorilla  
Mark Anthony Alindogan

Barbara Perez  
Jessica Raphaela Mirano  
Juan Carlos Miguel Camacho  
Naja Fragante

### **National Reference Laboratory - STD/AIDS Cooperative Central Laboratory (NRL-SACCL)**

Elizabeth Telan, MD  
Susan Leano, RMT  
Maria Zarina Reyes, RMT

### **Monitoring & Evaluation Team**

Joselito Feliciano, MD  
Zimmbodilion Mosende  
Noemi Leis  
Ma. Cristina Ignacio  
Philip Castro  
Giovanni Templonuevo, MD  
Madeline Salva, MD  
Glenn Cruz  
Rench Chanliongco

### **Implementation Arm**

Positive Action Foundation Philippines, Incorporated (PAFPI)

**The National Epidemiology Center expresses its deep gratitude to the following for their significant contribution to the 2011 IHBSS:**

- *All the Local Government Unit Mayors, City or Municipal Health Officers, City or Municipal Health Office Staff, and Social Hygiene Clinic Physicians and Staff of Angeles, Bacolod, Baguio, Batangas, Cagayan de Oro, Caloocan, Cebu, Daraga, Davao, General Santos, Iloilo, Makati, Mandaluyong, Mandaue, Manila, Marikina, Pasay, Pasig, San Fernando (La Union), Surigao, Quezon (City), Tacloban, Zamboanga*
- *All the 2011 Integrated HIV Behavioral and Serologic Surveillance Site Coordinators, Team Leaders, Interviewers and Medical Technologists.*
- *All the Centers for Health Development - Regional Epidemiology and Surveillance Unit (RESU) Heads and Staff of the Department of Health.*
- *The National Reference Laboratory for HIV/AIDS, Hepatitis B & C, and Syphilis, STD/AIDS Cooperative Central Laboratory (NRL-SACCL) at San Lazaro Hospital.*
- *The Positive Action Foundation Philippines Incorporated (PAFPI).*
- *The IHBSS Technical Advisory Group.*
- *The Philippine National AIDS Council.*
- *And the following agencies for their technical assistance and funding support:*



## EXECUTIVE SUMMARY

In 2011, the fourth round of the Integrated HIV Behavioral and Serologic Surveillance (IHBSS) was led by the Department of Health. The IHBSS would provide crucial strategic information that would influence and provide direction for policies, programs, and services to help address the escalating epidemic of HIV in the Philippines and its consequent burden. The most-at-risk populations (MARPS) were included in the surveillance and in this report - Males who have sex with Males (MSM), Female Sex Workers (FSW), and Injecting Drug Users (IDU).

### **Males who have Sex with Males**

For Males who have Sex with Males (MSM), scores on individual knowledge items are high, ranging from 70% to 86%. However, percentage of respondents who answered all five knowledge items correctly is still <50%. More than half of the respondents are not aware of the essential facts about HIV transmission.

Increasing the knowledge of the youth (15-24 years old) is considered an essential prerequisite for adoption of behaviors that reduce the risk of HIV transmission. However, knowledge scores only improved slightly from 2009 to 2011. The biggest increase was among the 18 to 24 year old age group with a 10% increase in their knowledge scores.

In 2009, it was noted that the condom use of the MSM sample was >60%. Upon further analysis, data revealed that most of the MSM in the sample were employees of entertainment establishments. In 2011, a sample of male establishment workers (MEW) were collected separate from the sample of MSM. The latter was collected in venues other than entertainment establishments like streets. The results showed that although both sample were males having sex with males, these two samples were very different. Most MEWs accessed the Social Hygiene Clinics (SHC) regularly, while only 38% of the MSM sample knew that the SHC provided STI services. Condom use during last anal sex with non-paying partners was high among MEWs (69%) and low among MSMs (35%). Prevalence was also very different; none of the MEWs were infected with HIV, while 5.6% of the Quezon City MSM sample had HIV. As we continue to grasp the evolving epidemic among males who have sex with males in the Philippines, one thing is clear: there are sub-groups within this population. Since some groups may be at higher risk to HIV exposure than others, it is necessary to determine these different sub-groups, understand behavioral variability among groups, and provide programs that would meet their needs.

There is also a significant change in anal sex behavior of MSMs from 2009 to 2011. As MSMs grow older, they become more inclined to becoming both the anal inserter and the anal receiver (anal versatile). The anal versatile behavior has increased from 2009 to 2011 in all age groups, from 10% to 12% (15 to 17 years old), from 16% to 25% (18 to 24 years old), and from 25% to 35% (25 & older). The increasing tendency of MSM to become both anal inserters and anal receivers pose a higher risk for the group to acquire HIV infection (when they act as anal receivers) then pass it on to other MSM (when they act as anal inserters).

### **Female Sex Workers**

The seasonality of sex work for majority of the FSW has implications on HIV prevention programs. If certain elements of HIV programs are not delivered throughout the year, FSW who only occasionally sell sex may miss out on these services.

Despite the strengthened condom distribution programs among Female Sex Workers (FSW), this doesn't have a strong behavioral impact on FSWs. Bringing of a condom in the cruising site or establishment (FFSW: 21%, RFSW: 26%) and condom use during last sex (FFSW: 56%, RFSW: 72%) are still low. This is true for all sites except in Zamboanga where bringing of a condom in the cruising site or establishment is higher compared to other sites (FFSW: 52%, RFSW: 67%).

Access to Social Hygiene Clinics seems to maintain condom use among the female sex workers who access it. Among RFSW, condom use is 72%. Unfortunately, the converse seems to also be true. Freelance FSW rarely accesses the SHC. Except for Zamboanga, few FFSW received free condoms in the past year. 35% have been in an HIV seminar, and 28% have had a vaginal smear within a 12 month period. Consequently, condom use among clients is understandably low at 56%. Since 13% of RFSW are also FFSW, it is hoped that their behavior of using condoms with clients would be sustained regardless of where they get their clients.

## **Injecting Drug Users**

Injecting Drug Users (IDU) have multiple risks. Aside from injecting drugs with unclean needles, they also have unprotected sex with multiple partners, both male and female. Moreover, some of them also practice selling sex or buying sex.

In relation to the multiple risk factors of the IDUs, basic knowledge on HIV transmission would be an important aspect of HIV prevention among IDU. However, results of the 2011 IHBSS show a generally low score on the basic HIV knowledge items (49%).

Seventy-five percent of all IDUs practice at least one of the following: sharing of needles, use of unclean needle source, and injecting at shooting galleries. This means that IDUs in the four surveillance sites, not just those in Cebu city, are at-risk of getting infected with HIV. If there is no HIV in the network yet, it would only take 6 to 12 months to spark an outbreak that can infect hundreds of IDUs.

Access to condoms varies among IDUs depending on the city. In Mandaue, less than 20% of IDUs have access to condoms while in Zamboanga, more than 90% have access. In general, 43% of the male and 57% of the female IDUs are able to access condoms. However, only 25% of all minors have this access.

There is only minimal access to Social Hygiene Clinic (SHC) services among the IDUs, only 31% have been reached by SHCs. Although 42% of IDUs have been approached within 12 months regarding injecting drug use, only 31% have been taught how to clean needles and only 11% have received free needles.

Sixty-three percent of IDUs acknowledge that they are at risk of acquiring HIV. However, only 1-11% have been tested for HIV and have gotten their results. This means that while IDUs are aware of their high risk of contracting HIV, a very low percentage of IDUs know their HIV status.

The prevalence of HIV among IDUs is increasing. The most significant increase may be seen in Cebu City where prevalence of 0.59% in 2009 has soared to 53.20% in 2011. There might also be an impending outbreak in Mandaue City and Zamboanga City.

## THE HIV EPIDEMIC IN THE PHILIPPINES

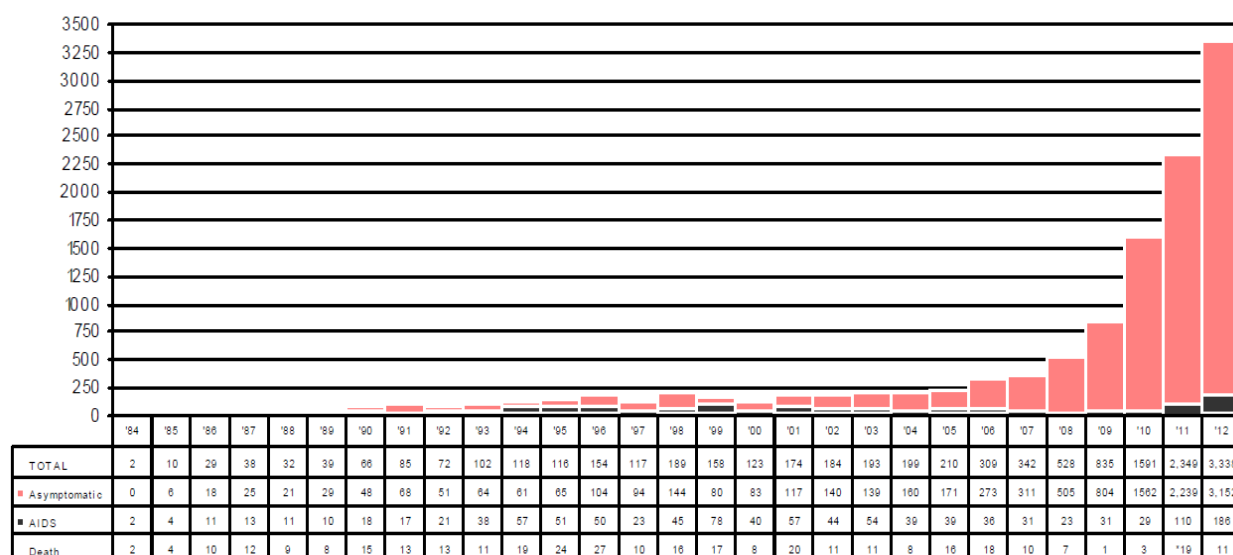
The AIDS epidemic in the Philippines has been rapidly changing in the past five years. The increase in the number of new HIV infections is at a pace the country has never seen before. From one new case every three days in year 2000, to one new case every three hours by the end of 2012. Cases are mostly concentrated among males who have sex with males and people who inject drugs in certain geographic areas. Since the Philippines is at a critical point, efforts have been made to be able to track the magnitude of the growing epidemic.

### Estimated HIV Prevalence and Reported Number of Cases

The Philippines tracks its AIDS epidemic through passive and active surveillance. The Philippine HIV & AIDS Registry is a passive reporting system with nationwide reach that includes newly diagnosed cases, those on ART, and mortalities. On the other hand, active surveillance among key affected populations called the Integrated HIV Behavioral and Serologic Surveillance (IHBS) is conducted every two (2) years. The country uses information from these systems when developing the Philippine Size Estimates of the Most At-Risk Population and the Philippine Estimates of People Living with HIV (PLHIV).

From 1984 to the end of 2012, there were 11,702 newly diagnosed HIV cases reported to the Philippine HIV & AIDS Registry (Figure 1). This reported number is only 49% of the estimated 23,923 PLHIV by 2012<sup>1</sup>. Of the estimated number from EPP/Spectrum projections, 82% are males; among the reported cases in the HIV Registry, 86% are males. Majority (58%) of the reported cases from 2009 to 2012 were 20-29 years of age.

**Figure 1. Number of HIV and AIDS Cases and Deaths Reported in the Philippines by Year, January 1984 to December 2012 (N=11,702)**



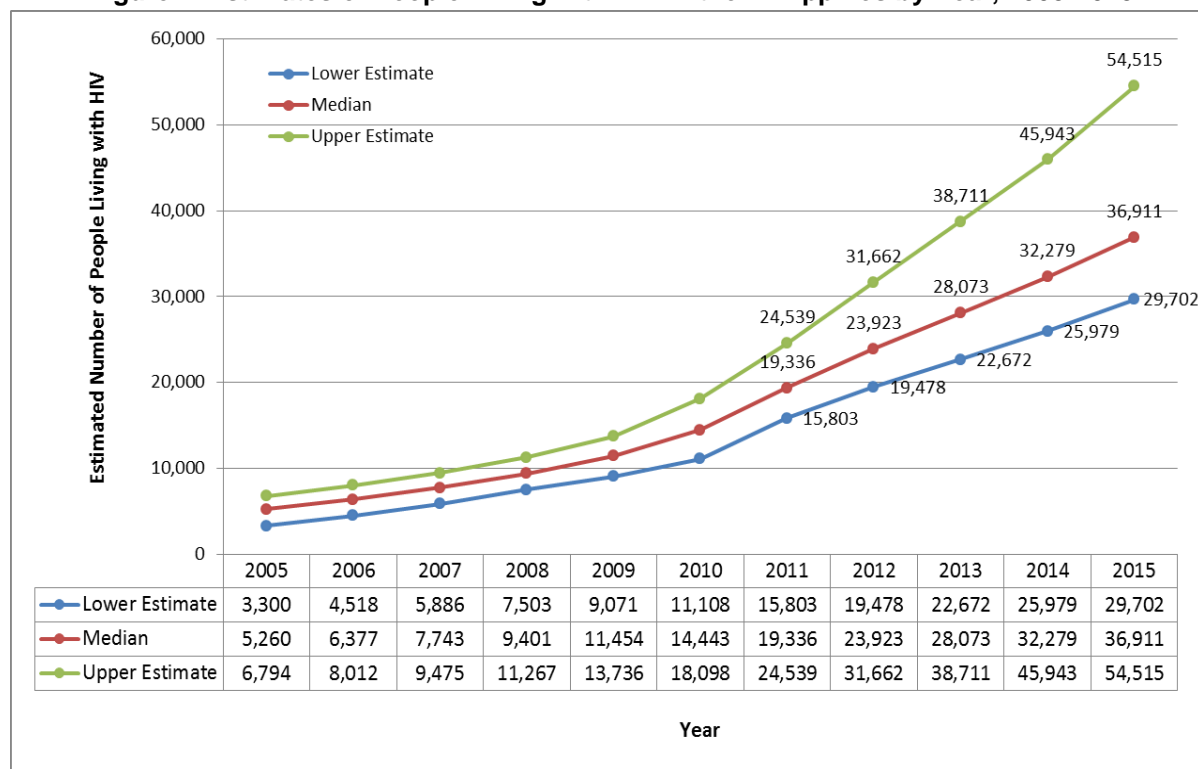
*\*Nine initially asymptomatic cases reported in 2011, died due to AIDS that same year.*

Source: Philippine HIV and AIDS Registry, December 2012, DOH-NEC

<sup>1</sup>2012 Philippine PLHIV Estimates using EPP/Spectrum. This was submitted by NEC & the Philippine National AIDS Council to UNAIDS Geneva on 23 April 2012

In general, the Philippines has a low HIV prevalence, estimated at 0.036 percent or 36 cases per 100,000 adult Filipinos in 2011. This increased to 0.044 percent or 44 cases per 100,000 adult Filipinos in 2012. Based on the current trend, HIV prevalence will likely double but remain below one percent by 2015, or 0.063 percent, or 63 per 100,000 adult Filipinos. The latest EPP/Spectrum projection estimates that there will be between 29,702 to 54,515 People Living with HIV in the Philippines by 2015 with a median of 36,911 (2012 Philippine PLHIV Estimates). This is an additional 17,575 new HIV cases in four years from the 2011 estimate of 19,336, or around 4,000-6,000 new cases each year (Figure 2).

**Figure 2. Estimates of People Living with HIV in the Philippines by Year, 2005-2015**



SOURCE: 2012 Philippine Estimates of People Living with HIV, PNAC

The geographic areas with the most number of reported cases are three highly urbanized areas: Greater Metro Manila Area (which include the provinces adjacent to Metro Manila like Rizal, Cavite, Laguna and Bulacan), Metro Cebu (which include the cities of Cebu, Mandaue, Lapu-Lapu, Talisay, Danao, and their neighboring areas), and Davao City. These three areas plus Angeles City are the highest priority areas for HIV intervention<sup>2</sup>.

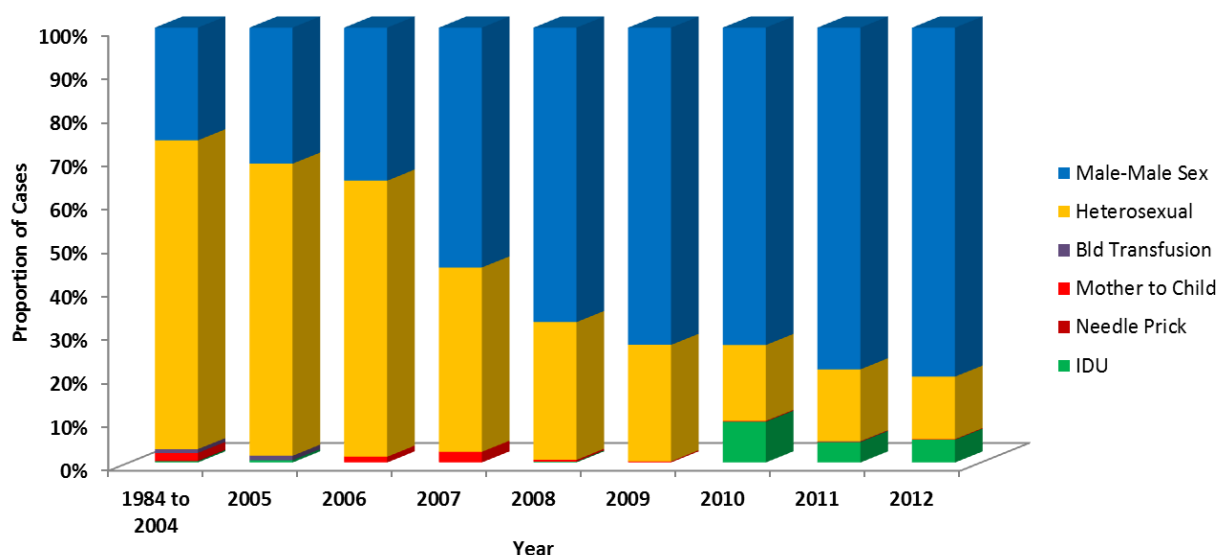
### Modes of HIV Transmission

Sexual contact is the primary mode of HIV transmission in the country. Of the reported modes of transmission, sexual contact accounts for 95% of cases since 1984. Other modes of transmission include sharing of contaminated needles among persons who injected drugs (PWID), mother to child transmission, through transfusion of contaminated blood, and accidental prick from a contaminated needle. Three percent of reported cases have unknown modes of transmission.

<sup>2</sup>Philippine Priority Areas for HIV Intervention (PAHI). This policy paper was submitted to Secretary Enrique Ona by NEC through PNAC on 5 March 2012

Figure 3 shows the change in type of sexual transmission from a previously predominant heterosexual to males having sex with males starting 2007. In 2010, HIV transmission among people who inject drugs was detected in the island of Cebu and has continually been spreading since then.

**Figure 3. Proportion of HIV Transmission in the Philippines by Year, 1984-2012**



SOURCE: Philippine HIV and AIDS Registry, DOH-NEC

HIV cases among overseas Filipino workers (OFW) continue to rise despite decrease in their proportion to total reported cases. There were 164 cases in 2009, 174 in 2010, 271 in 2011, and 342 in 2012. However, the proportion of OFWs reported has decreased from 20% in 2009 to 10% in 2012. Local transmission has started to outpace infections contracted overseas. The mode of HIV transmission among OFW is similar to local transmission; however, the percentage of heterosexual transmission is higher among OFWs (57%) compared to those infected locally (22%).

Data from the Integrated HIV Behavioral and Serologic Surveillance (IHBS) conducted in 10 consistent sites<sup>3</sup> confirm the reported upward trend among males who have sex with males (MSM) and freelance female sex workers (FFSW); and injecting drug users (IDU) in Cebu City. Meanwhile, HIV prevalence among FSW based in entertainment establishments that access local government health services (RFSW) has remained low.

**Table 1. HIV Prevalence Among FSW, MSM, and IDU in Sentinel Sites, 2007 – 2011**

Key Affected Population	2007	2009	2011
Female sex workers in Registered Entertainment Establishments (RFSW)	0.0%	0.23%	0.13%
Freelance female sex workers (FFSW)	0.05%	0.54%	0.68%
Males who have sex with males (MSM)	0.30%	1.05%	2.12%
Injecting Drug Users (IDU) in Cebu	0.40%	0.59%	53.8%

Source: IHBS in 10 Sentinel Sites (Angeles, Baguio, Cagayan de Oro, Cebu, Davao, General Santos, Iloilo, Zamboanga, Pasay and Quezon City), DOH-NEC

IHBS is conducted in more than 10 sites every two years, however, in order to measure trends, 10 consistent sites or sentinel sites have been chosen and monitored since 2005 (Table 1).

## **THE INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE: BACKGROUND AND METHODOLOGY**

The Integrated HIV Behavioral and Serologic Surveillance (IHBSS) is a surveillance system which aims to provide an in-depth understanding of the HIV situation in the Philippines through assessment of both behavioral and serologic aspects of the most at-risk population. This was established in 2005 and was done every two years thereafter. It is a pivotal source of information on the prevalence of HIV in the country, as well as the risk factors associated with it, which is used in public health planning and policy development.

### **Background**

HIV surveillance is the key to understanding the country's epidemic, especially in countries where the prevalence has consistently been showing less than one percent prevalence. The surveillance populations chosen are those most vulnerable to HIV transmission in an emerging epidemic, namely populations with high risk behaviors including sharing needles and syringes when injecting drugs and unprotected sex with multiple partners.

The HIV serologic surveillance system was established in the Philippines in 1993. Behavioral surveillance of risk behavior began in 1997. Since then, surveillance teams in all the sentinel sites remained vigilant in monitoring the HIV situation in their respective localities.

In 2005, the serologic and behavioral surveillance was integrated to have an in-depth understanding of the HIV situation. Risk groups were assessed, questionnaires were reviewed and revised, and methodologies modified for some of the risk groups. The second round of the Philippine Integrated HIV Behavioral and Serologic Surveillance (IHBSS) was conducted in 2007 and the third in 2009. This year, the 4th round of the IHBSS was conducted as a commitment to the country. Funds from government of the Philippines were used to finance the conduct of the 2011 IHBSS.

The methods in the 2005 manual of procedures for the IHBSS serve as the basis for implementing the 2011 IHBSS. However, certain modifications as agreed upon by the Technical Analysis Synthesis Core Group (TASC Group) and the Technical Working Group (TWG) have been introduced in this round of surveillance. The questionnaires were also reviewed and revised to be more relevant to the strategic information needs of the country.

The ten (10) Sentinel Sites include Angeles City, Baguio City, Cagayan de Oro City, Cebu City, Davao City, General Santos City, Iloilo City, Zamboanga City, Pasay City, and Quezon City. In addition to these sites, surveillance sites have been added during different rounds as a response to the evolving Philippine HIV epidemic or to give way to Global Fund (GF) implementation requirements.

### **Objectives**

1. To determine the prevalence of HIV and syphilis among the most at-risk populations and establish trend over time
2. To determine behavioral factors associated with STI and HIV transmission and its effect on the HIV epidemic in the country
3. To determine the outcome of STI and HIV intervention programs
4. To provide strategic information to guide STI and HIV policies, programs and services



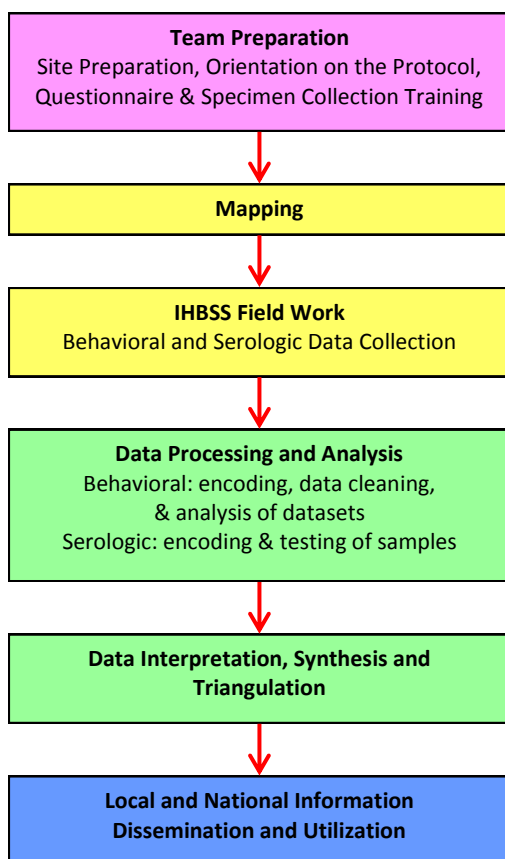
## Components

The Philippine IHBSS is a linked anonymous national surveillance system composed of two components, a Behavioral Component that measures risk behavior, and a Serologic Component that measures HIV and STI prevalence among at-risk populations. An informed consent is obtained prior to participation in the IHBSS.

- The Behavioral Component consisted of a face-to-face interview using a standard questionnaire which was encoded by the Statistical Research and Training Center (SRTC) and the National Statistics Office (NSO), and then analyzed by the NEC.
- The Serologic Component consisted of a blood draw that was tested for HIV and STI at the STI/AIDS Central Cooperative Laboratory (SACCL), the country's National Reference Laboratory for HIV and STI.

## Implementation Stages

The implementation of the IHBSS consisted of six stages:



- The **first stage** consisted of site preparation (organized surveillance team, coordinated meetings, and informed stakeholders), questionnaire development and pilot testing, and team preparation (coordinators, team leaders and team members were oriented, trained on the protocol, the questionnaires, data entry, and specimen collection).
- In the **second stage** teams conducted mapping of their locality which included key informant interviews, mapping of venues, and validation of the venue-day-time lists.
- In the **third stage** teams conducted face-to-face interviews with respondents using a standard questionnaire, and collected serologic samples.
- The **fourth stage** consisted of encoding questionnaires in a database, data cleaning, and analysis of datasets; and the encoding and testing of serologic samples for HIV and STIs.
- The **fifth stage** consisted of interpretation of results, data synthesis, and triangulation of information.
- The **sixth** and last stage consisted of dissemination and utilization of strategic information.

## Methodology

The IHBSS is a linked anonymous surveillance system. It is anonymous since personal identifiers are not asked and respondents are not asked to sign any document. Respondent ID Numbers are used to link behavioral data and serologic information. This linking is used to determine risk factors for HIV and STI only during data analysis. The implementation of the IHBSS is described in detail in the 2011 IHBSS Protocol.

### A. Selection of Sites

Surveillance sites are selected based on the following criteria:

- the vulnerability of an area to an HIV epidemic;
- the size of the surveillance population in each city;
- the presence of a laboratory, laboratory personnel trained on STI testing, and an HIV proficient medical technologist;
- the geographic representativeness of the site and,
- the willingness of the site to conduct the IHBSS.

In 2011, 18 sites implemented the Fourth Round of IHBSS. Aside from the 10 sentinel sites, eight (8) cities that fulfilled the selection criteria were added due to the HIV cases being reported in the area or adjacent areas.

**Table 1. 2011 IHBSS Surveillance Sites (N=18)**

	<b>Sentinel Sites (10)</b>	<b>Other Cities (8)</b>
<b>Metro Manila Sites (8)</b>	Pasay City Quezon City	Makati City Mandaluyong City Marikina City Pasig City Caloocan City Manila City
<b>Non-Metro Manila Sites (10)</b>	Angeles City Baguio City Cebu City Cagayan de Oro City Davao City General Santos City Iloilo City Zamboanga City	Bacolod City Mandaue City

Five additional sites namely, Bacolod, Batangas, Daraga, San Fernando (La Union) and Tacloban were also included in the IHBSS as part of their Global Fund end of project evaluation. However since their sample size was only 150 for all key populations, these sites were not included in the aggregated national analysis of key populations; however IHBSS results from these sites are included in the site specific analysis section.

## B. Surveillance Population

The IHBSS was conducted among the following most-at-risk populations: Female Sex Workers (FSW), Males who have Sex with Males (MSM), Injecting Drug Users (IDU), and Special Populations specifically Male Entertainment Establishment Workers and Male Clients of Female Sex Workers.

The inclusion criteria used for the IHBSS are detailed below:

### Female Sex Workers (FSW):

- **“Registered” FSW (RFSW) or FSW based at an SHC-Registered Establishment:**  
Born female, 15 years or older, who accepted cash or payment in kind in exchange for sex in the **past ONE month** and is based in an entertainment establishment **registered** at the local social hygiene clinic.
- **“Freelance” FSW (FFSW) or FSW not based at an establishment registered with the SHC:** Born female, 15 years or older, who accepted cash or payment in kind in exchange for sex in the **past ONE month**, and is street-based or based in an entertainment establishment **not** registered at the local social hygiene clinic (e.g. cruising sites, indirect sex work, etc).
- **Injecting Drug Users (IDU):** Male or female, 15 years or older, who injected drugs not prescribed by a physician, in the **past 6 months**.
- **Males who have Sex with Males (MSM):** Born male, 15 years or older, who reported oral or anal sex with a male in the **past 12 months**.
- **Special Populations: Occupational Cohorts of Men**
  - **Male Entertainment Establishment Workers (MEW):** Born male, 15 years or older, who works in an entertainment establishment and who accepted cash or payment in kind from a male or female in exchange for sex in the **past 3 months**.
  - **Male Overseas Filipino Workers (MOFW):** Born male, 15 years or older, who worked outside of the Philippines within the **past 5 years**, and who reported having paid a female or male in cash or in kind in exchange for sex in the **past 12 months**.
  - **Clients of Female Sex Workers (Clients):** Born male, 15 years or older, who reported having paid a female in cash or in kind in exchange for sex in the **past 12 months**. Specific client cohorts identified for this surveillance round are the following: Bus Drivers, Tricycle Drivers, Deep Sea Fishermen, and Men in Uniform.

The results of FSW, IDU and MSM were analyzed as an aggregate for the Philippines, for the National Capital Region and for each specific site. The results of Special Populations were included only in the site specific analysis.

## C. Sampling Method

The most at-risk populations (MARP) are difficult to reach. Different sampling methods were used for each MARP depending on the best way to gain access to them (Table 2). In order to better track changes in behavior and prevalence over time, the sampling method used for FSW and MSM since 2005 was retained, and the sampling method used for IDU in 2009 was retained.

**Table 2. Type of Sampling Method Used for Each MARP by Surveillance Year**

<b>Year</b>	<b>FSW</b>	<b>MSM</b>	<b>IDU</b>	<b>Special Populations</b>
<b>2005</b>	Time Location Sampling (TLS)	TLS	Take all	<b>Male Clients of FSW:</b> Convenience/Purposive sampling
<b>2007</b>	<b>Registered Establishment-Based:</b> Systematic Sampling at Entertainment Establishment  <b>Freelance:</b> TLS	TLS	Take all	<b>Occupational Cohort of Men:</b> Convenience/Purposive sampling
<b>2009</b>	<b>Registered Establishment-Based:</b> Systematic Sampling at the Social Hygiene Clinic  <b>Freelance:</b> TLS	TLS	Respondent Driven Sampling (RDS)	----
<b>2011</b>	<b>Registered Establishment-Based:</b> * Systematic Sampling at the Social Hygiene Clinic or at the Entertainment Establishment  <b>Freelance:</b> TLS	TLS	RDS	<b>Occupational Cohorts of Men:**</b> Convenience/Purposive sampling Bus Drivers, Tricycle Drivers, Deep Sea Fishermen, Military Police, Male Entertainment Establishment Workers, Male Overseas Filipino Workers

NOTE: For the serologic component, blood samples were taken from the behavioral component respondents

\* Site coordinator decided venue for data collection prior to the start of field work

\*\*Testing for syphilis and screening for HIV is optional, and not a requirement.

#### **D. Questionnaires**

Three different questionnaires were used for the IHBSS, one for FSW, one for MSM, and one for IDU. The questionnaires had Tagalog and Cebuano versions, and each question had a corresponding English translation. Respondent ID numbers were used as the main identifiers. Names were not asked, and respondents were not asked to sign any document. Instead, interviewers signed the questionnaires in behalf of the respondent after the respondent verbally consented to participate.

All questionnaires included screening questions to determine eligibility of respondents, a consent form and reason for refusal if the respondent does not consent, a questionnaire identification sheet, and a tracking record for data completeness and encoding purposes.

#### **E. Sample Size**

A sample size of 300 respondents for each MARP in each site was targeted. However, some of the sites expressed difficulty in reaching the required IHBSS sample size. Thus, for these sites, the target sample size was reduced to 150. Table 3 lists the actual number of eligible respondents reached by each surveillance site in each site.

**Table 3. 2011 IHSS Sites and Actual Number of Respondents per MARP**

IHSS Site	MSM		RFSW		FFSW		IDU		OCM	
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual
Angeles	300	300	300	300	300	300	---	---	300	299
Bacolod	300	303	300	300	300	302	---	---	---	---
Baguio	300	300	300	300	300	299	---	---	---	---
Cagayan de Oro	300	261	300	298	300	299	---	---	---	---
Cebu	300	299	300	300	300	256	300	306	---	---
Davao	300	300	300	300	300	300	----	---	---	---
General Santos	300	300	300	299	300	300	300	366	300	295
Iloilo	300	300	300	300	300	300	---	---	300	204
Mandaue	300	301	300	300	300	301	300	311	---	---
Zamboanga	300	300	300	299	300	299	300	300	300	300
Caloocan	300	292	300	288	150	151	---	---	---	---
Makati	300	300	300	306	150	153	---	---	---	---
Mandaluyong	300	306	300	304	150	148	---	---	---	---
Manila	300	299	---	---	300	299	---	---	---	---
Marikina	300	296	300	293	150	149	---	---	---	---
Pasay	300	300	300	299	300	299	---	---	300	303
Pasig	300	290	150	145	150	149	---	---	---	---
Quezon	300	306	300	300	300	299	---	---	300	300

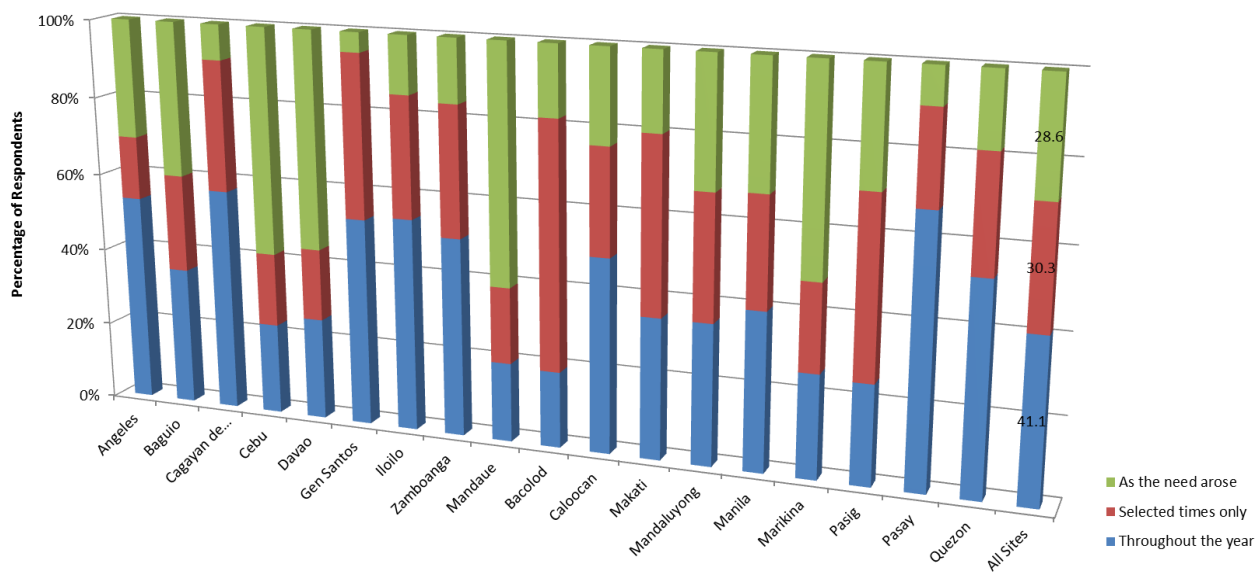
**IHBSS RESULTS**  
**SECTION 1: DISCUSSION OF SELECTED PROGRAM INDICATORS**

**A. RISK BEHAVIORS**

**Female Sex Workers (RFSW & FFSW are combined unless specified)**

If given another source of income, 92.5% of FSW (92% RFSW, 94% FFSW) would like to stop being a sex worker. Furthermore, it should be noted that not all Female Sex Workers sell sex throughout the year. Only 41.1% worked by selling sex throughout the year; 30% sold sex at selected times of the year, while a third (29%) did sex work only when the need arose. Pasay had the highest proportion (67.5%) of FSW who sold sex throughout the year (Figure F1). While only one quarter of FSW in Bacolod, Mandaue, Cebu, Pasig, Davao and Marikina did sex work all year round. There was slightly less (38.9%) FSW based in registered entertainment establishments (RFSW) who worked year round than FFSW or freelance FSW (43.5%). The seasonality of sex work for majority of the FSW has implications on HIV prevention programs. If certain elements of HIV programs are not delivered throughout the year, FSW who only occasionally sell sex may miss out on these services.

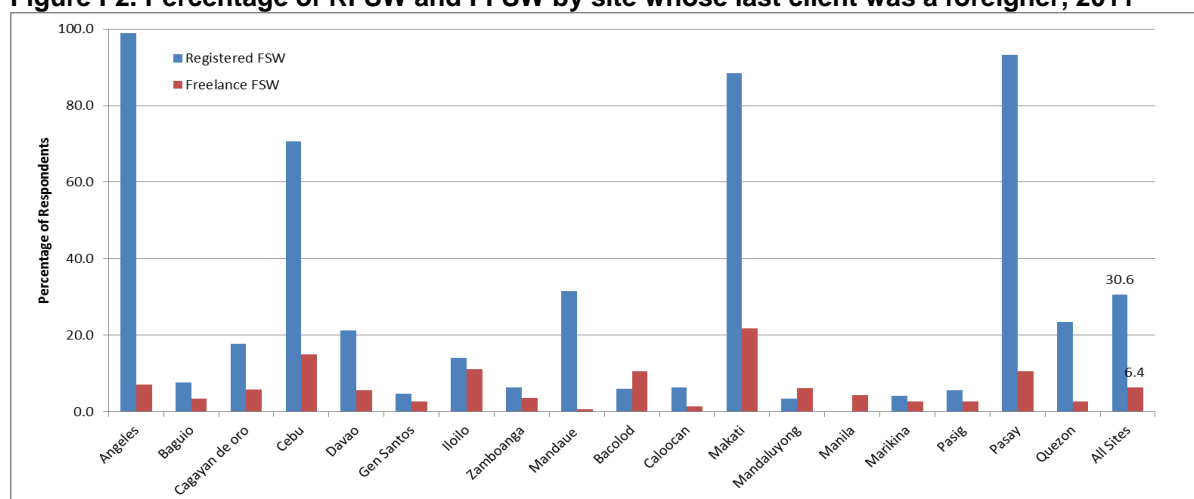
**Figure F1. Proportion of FSW by site who sold sex throughout the year, during selected times of the year, and only when the need arose, 2011**



It should also be noted that FSW in registered establishments can also do freelance sex work, while freelance FSW can also at some point work in registered establishments. In the IHBSS, this overlap is seen in 17% of the female sex workers.

The clientele of FSW based in registered entertainment establishments and those who do freelance work can vary. In general, the last client of 30.6% of RFSW was a foreigner compared to only 6.4% of FFSW (Figure F2). However, in sites like Angeles, Cebu, Makati and Pasay, foreigners comprised most of the clients of FSW in registered entertainment establishments. The Freelance FSW of Makati had the highest percentage (21.7%) of foreigner clients among all FFSW. Some clients prefer to use condoms, some do not. Understanding the profile of clients can help the 100% Condom Use Program (100% CUP) to tailor fit the trainings on condom negotiation skills of Female Sex Workers.

**Figure F2. Percentage of RFSW and FFSW by site whose last client was a foreigner, 2011**



Eighty-three percent of FSW said condoms were easy to get in their community, with no difference between RFSW and FFSW. However, a higher percentage (87.2%) of those who worked all year round said condoms were easy to get compared to those who only sold sex occasionally (79.5%). The two sites with the highest percentage of FSW saying condoms were not easy to get were Bacolod (39%) and Pasig (34%).

Table F1 lists the usual condom sources of RFSW and FFSW. The SHC is the most common source of condoms for RFSW followed by pharmacies then their workplaces. Pharmacies on the other hand are the most common source of condoms for FFSWs; next would be grocery stores and the Social Hygiene Clinic. Only 4.6% of FFSW and 0.2% of RFSW usually got condoms from non-government organizations. Some FSW, albeit few, usually got condoms from their customers. During the interview of FFSW (which was conducted at cruising sites), only 20.8% had a condom with them.

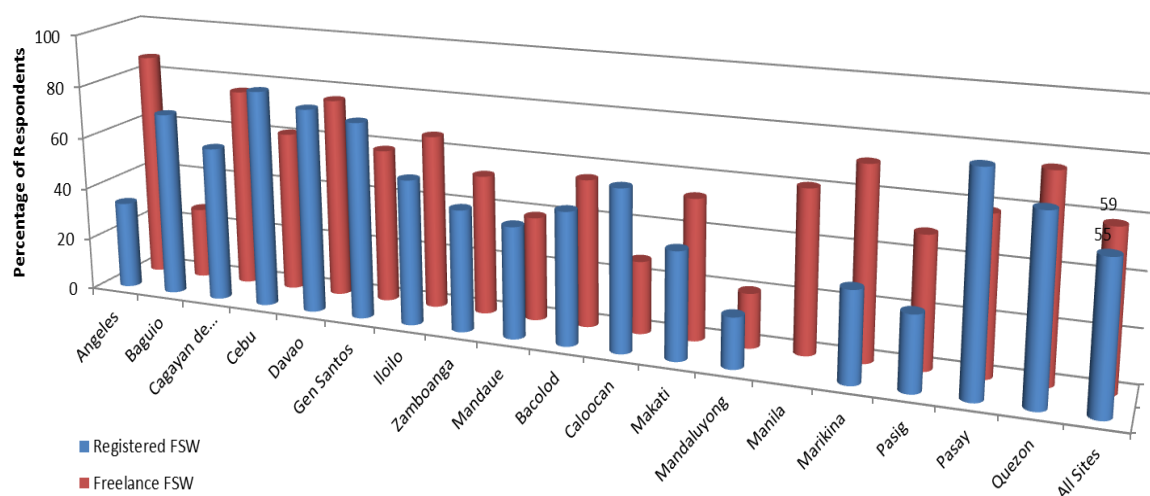
**Table F1. Percentage of usual condom sources of RFSW and FFSW, 2011**

Source of condoms	RFSW (%)	FFSW (%)
Entertainment establishments (bar, night spots, dance club, spa, massage parlor, health club)	19.3	3.2
Social Hygiene Clinic / City Health Office	44.1	15.2
Rural Health Unit / Barangay Health Station	1.8	1.5
Private hospital or clinic	0.2	0.4
Pharmacy	24.0	47.4
Grocery store / Supermarket / 7-11 / Mini Stop	7.8	15.9
Sari – sari store	0.6	2.1
Non-government organizations (NGO)	0.2	4.6
Hotel, motel, lodging house	0.2	6.0
Friends or relatives	1.4	2.8
Customer / client / guest	0.3	0.5
Pimp	0.02	0.2
Other sources	0.1	0.3

When asked if they bought their own supply of condoms, 55% of RFSW and 59% of FFSW said yes. However, this varied across sites as seen in Figure F3. Among those from Metro Manila, FSW in

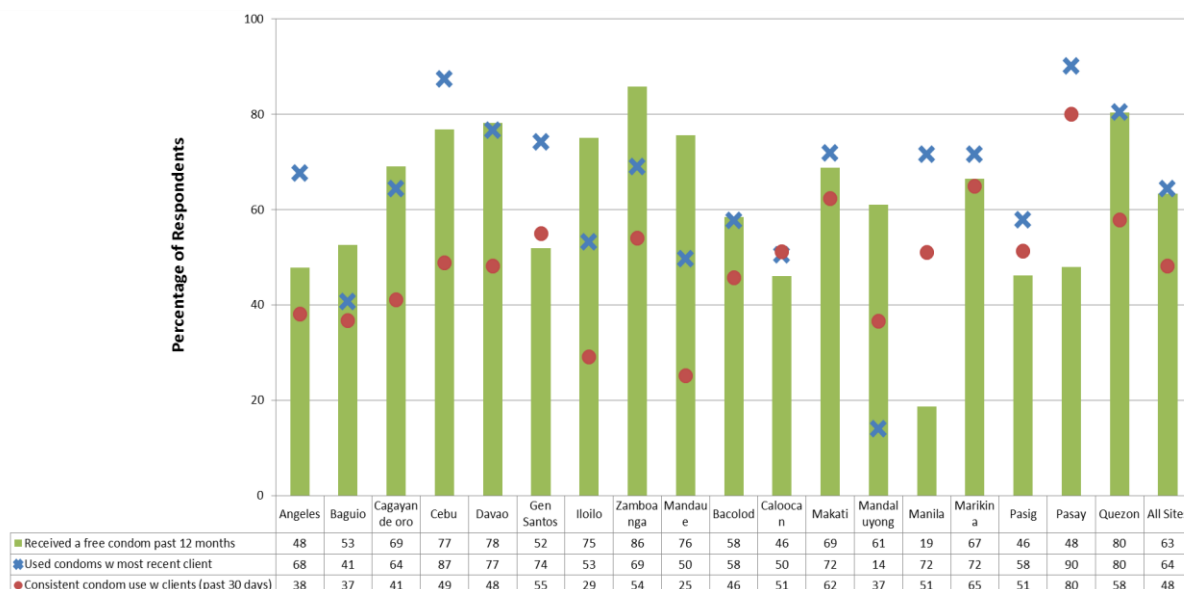
Quezon City had the highest percentage (72%), while FFSW in Mandaluyong had the lowest (19%). In the other sites, FSW in Cebu had the highest (77%), and those in Mandaue had the lowest (41%).

**Figure F3. Percentage of RFSW and FFSW by site who buy their own supply of condoms, 2011**



When asked if they had received free condoms in the past 12 months from the Social Hygiene Clinic or any non-government organization (NGO), 63% of FSW said yes. However, only Zamboanga (86%) and Quezon City (80%) reached the 80% national target for HIV intervention coverage for FSW, all other sites did not (Figure F4). Manila City had the lowest (19%) exposure to free condoms compared to the other sites.

**Figure F4. Percentage of Female Sex Workers by site who used a condom with most recent client, who had consistent condom use in the past 30 days, and received free condoms in the past 12 months, 2011**



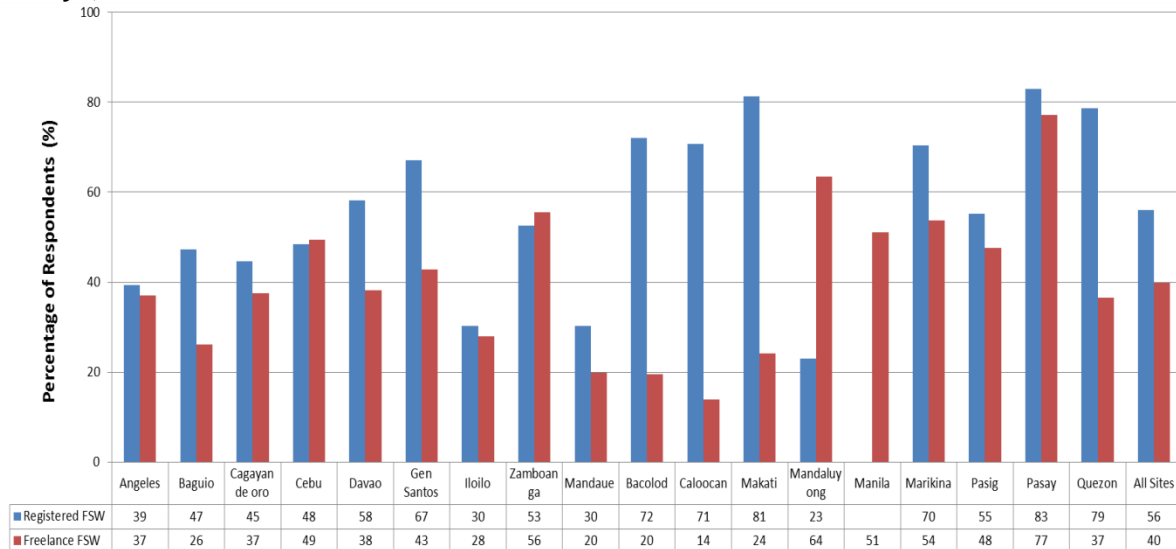
Condom use with last client was highest among female sex workers in Pasay (90%) and Cebu (87%), while Mandaluyong (14%) had the lowest despite 61% of them saying they had received a condom in the past 12 months (see Figure F4). Condom use with last client across all sites was 64%. Consistent condom use with clients in the past 30 days was 48%. The percentage for consistent condom use was lower than the percentage for condom use with the last client except in Caloocan which had



almost the same percentage. Mandaluyong was the only site with higher consistent condom use than condom use with last client. The IHBSS has no data that explored the reason behind this.

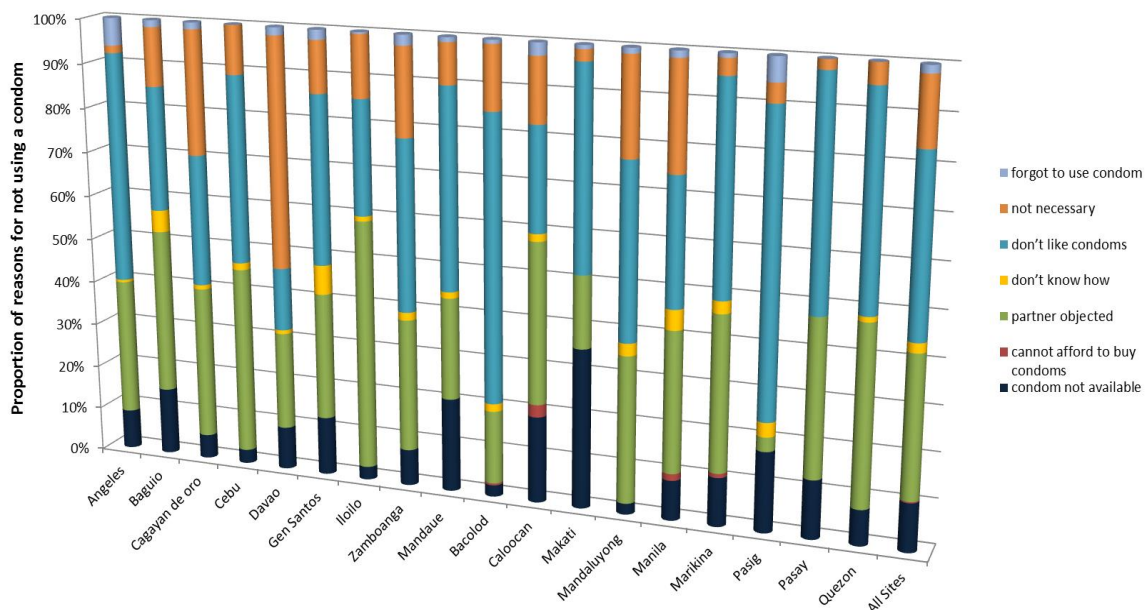
There was a 16 point difference in the percentage of consistent condom use between RFSW (56%) and FFSW (40%). Except for Mandaluyong, consistent condom use was either about the same or higher among RFSW than FFSW (Figure F5). The programmatic target for condom use among female sex workers is 80%. Only the RFSW in Makati and Pasay reached the target.

**Figure F5. Percentage of RFSW and FFSW by site who had consistent condom use in the past 30 days, 2011**



The most common reason for not using a condom the last time a female sex worker had sex with a client varied by site (Figure F6). Knowing these reasons will allow local programs to address the pertinent issues relevant to their locality and track its progress. Across all sites, not liking condoms and having the client object to using condoms were the most common reason for not using condoms.

**Figure F6. Proportion of reasons why FSW did not use condoms the last time they had sex with a clients by site, 2011**



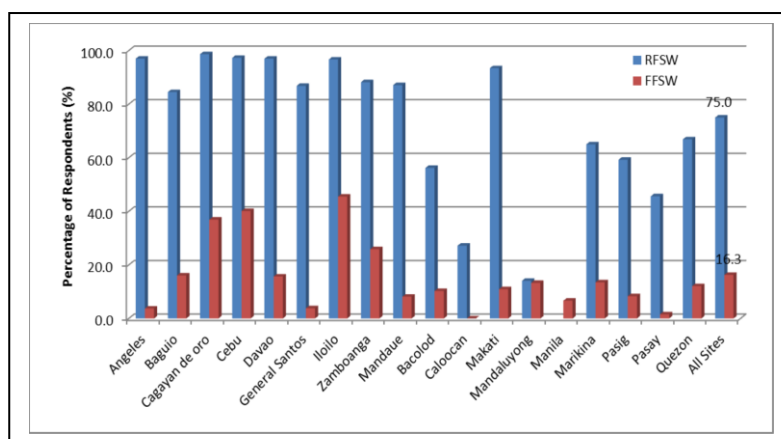
Sixteen percent of FSW (12% RFSW, 20% FFSW) did not know any symptom of sexually transmitted infections (STI); 47% answered “discharge” while 27% said “pain or inflammation”. Of those who experienced unusual genital discharge, ulcers or warts, 75% consulted the Social Hygiene Clinic, 18% went to a private medical professional, 6% consulted friends, and 1% went to traditional healers. Of those prescribed medication for the STI, 12% did not complete taking the medication. The IHBSS does not have information on why medication was discontinued.

When asked where their last vaginal smear was done, 92% of RFSW had it at the Social Hygiene Clinic and 5% at a private clinic. Meanwhile 53% of the FFSW had it at the Social Hygiene Clinic, 22% at private clinics, 15% at a SHC mobile clinic or outreach, and 10% at a government hospital.

Table F2 shows the percentage of RFSW and FFSW who visited the SHC in the past month. Despite most local ordinances requiring RFSW to get a health check-up at least once a month, Metro Manila sites and Bacolod had a lower percentage of RFSW visiting the SHC compared to the other sites. Only 16% of FFSW visited the SHC in the past month. Iloilo and Cebu had the highest percentages for FFSW among the sites.

**Table F2 & Figure F7. Percentage of RFSW and FFSW by site who consulted the SHC in the past one month, 2011**

Site	FSW who consulted the SHC in the past 1 month (%)	
	RFSW	FFSW
Angeles	97.0	3.7
Baguio	84.5	16.1
Cagayan de oro	98.7	36.9
Cebu	97.3	40.1
Davao	97.0	15.7
General Santos	86.8	3.8
Iloilo	96.7	45.5
Zamboanga	88.2	25.9
Mandaue	87.1	8.1
Bacolod	56.2	10.3
Caloocan	27.2	0.0
Makati	93.4	11.0
Mandaluyong	14.1	13.3
Manila	--	6.6
Marikina	65.0	13.5
Pasig	59.3	8.3
Pasay	45.6	1.5
Quezon	66.9	12.1
<b>Total</b>	<b>75.0</b>	<b>16.3</b>

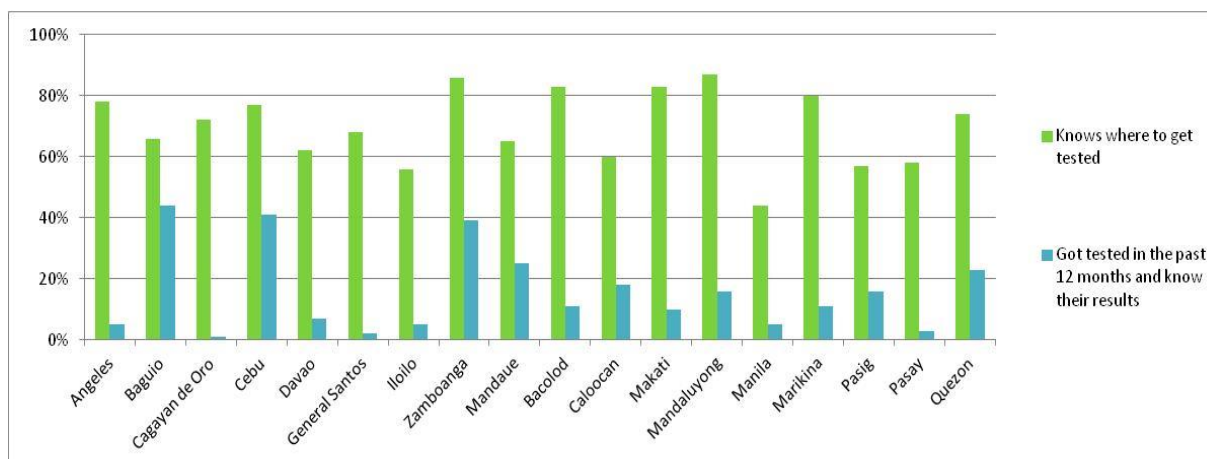


Majority (61%) of the FSW felt they were at risk of getting HIV infection because of the following reasons: they had many sex partners (66%), did not always use condoms (31%), had sex with an HIV infected partner (2%), shared needles with other injecting drug users (1%), and <1% said they were already HIV positive. However, these FSW who said they were infected with HIV were actually negative for HIV antibodies in the IHBSS.

Figure F8 shows that at least 60% of female sex workers in majority of sites (14/18) knew where they could get tested for HIV. Manila City had the fewest FSW (44%) who knew where to get an HIV test. Across sites, only 16% of all FSW had been tested for HIV in the past 12 months and gotten the

results. With the exception of Baguio, Cebu, and Zamboanga, less than 30% of FSW in each site knew their current HIV status.

**Figure F6. Percentage of Female Sex Workers by site who know where to get an HIV test and got tested in the past 12 months, 2011**



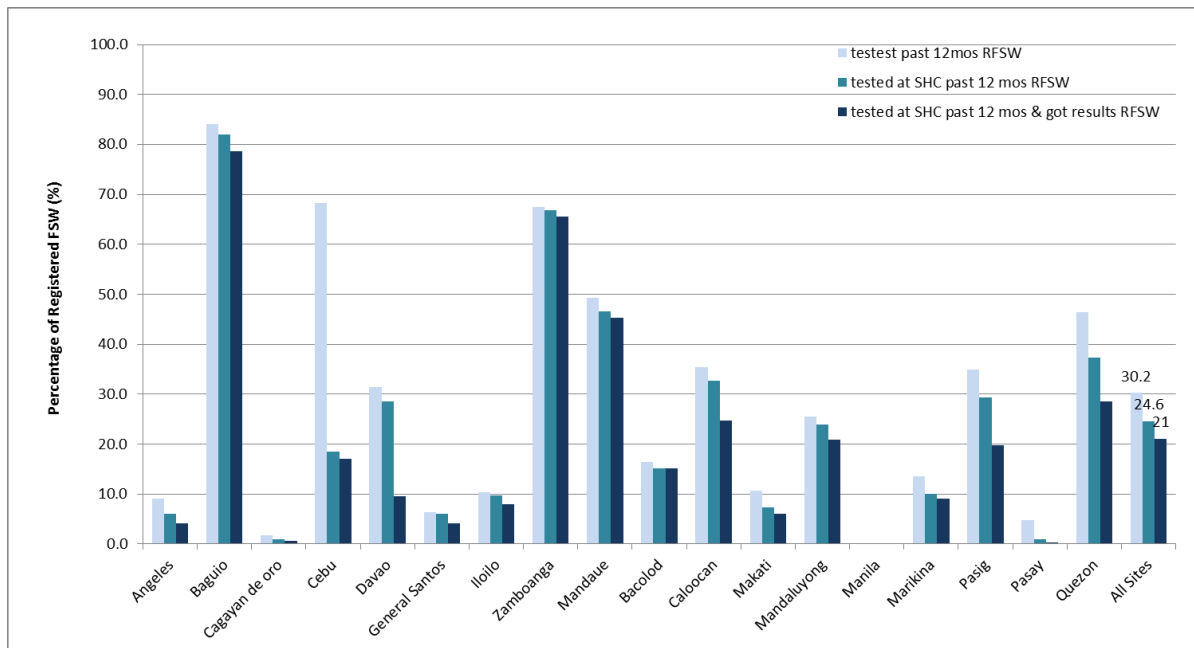
Despite the high knowledge on where to get tested (84% of RFSW and 56% of FFSW), only 5% of freelance and 27% of registered female sex workers got tested in any testing facility in the past 12 months and knew their results.

Table F3 shows the percentage of RFSW and FFSW who had gotten an HIV test in the past 12 months, as well as the percentage who got their test at a social hygiene clinic and got their results. The cascade in Figures F9 and F10 can help SHCs monitor promotion of HIV testing among female sex workers and SHC HIV testing services, as well as the return rate for those who got tested.

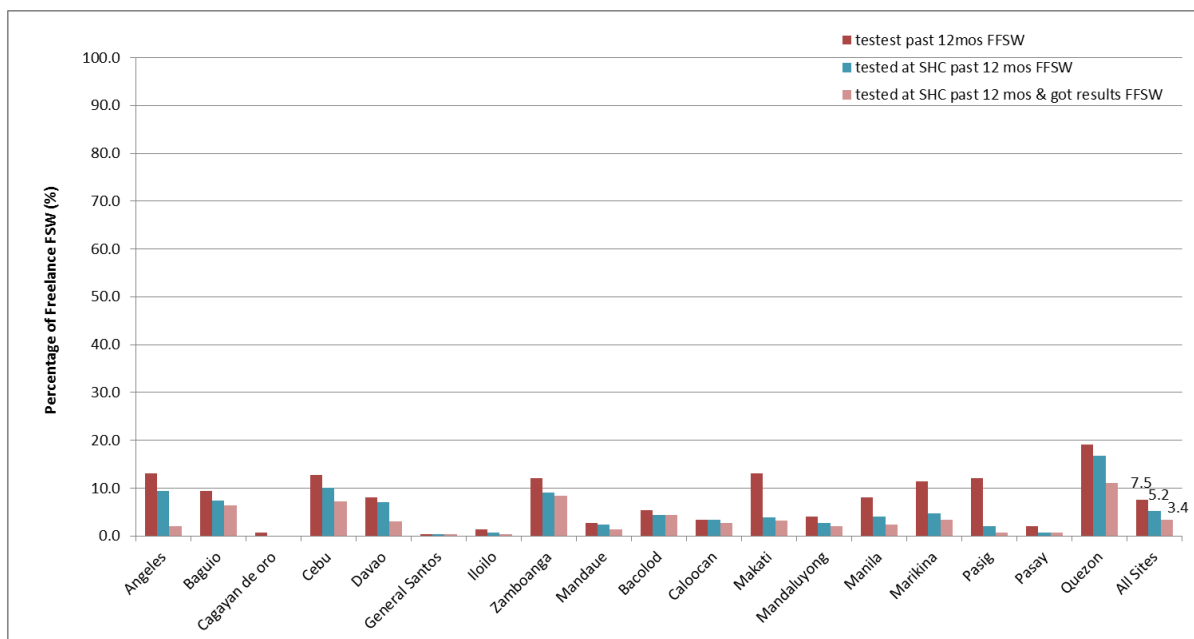
**Table F3. Percentage of RFSW and FFSW by site who got an HIV test in the past 12 months, had an HIV test at the SHC, and came back for the results, 2011**

Site	In the past 12 months:					
	FSW who had gotten an HIV test (%)		FSW who had an HIV test at the SHC (%)		FSW who got an HIV test at the SHC and came back for her results (%)	
	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW
Angeles	9.0	13.1	6.0	9.5	4.1	2.0
Baguio	84.0	9.5	82.0	7.4	78.6	6.4
Cagayan de oro	1.7	0.7	1.0	0.0	0.7	0.0
Cebu	68.2	12.8	18.5	10.0	17.1	7.2
Davao	31.4	8.0	28.5	7.0	9.5	3.0
General Santos	6.4	0.3	6.1	0.3	4.1	0.3
Iloilo	10.4	1.3	9.7	0.7	8.0	0.3
Zamboanga	67.5	12.0	66.9	9.0	65.5	8.4
Mandaue	49.3	2.7	46.5	2.3	45.3	1.3
Bacolod	16.4	5.4	15.1	4.4	15.1	4.4
Caloocan	35.4	3.5	32.6	3.5	24.7	2.8
Makati	10.6	13.1	7.3	4.0	6.0	3.3
Mandaluyong	25.5	4.1	23.9	2.7	20.9	2.1
Manila	--	8.1	--	4.1	--	2.4
Marikina	13.5	11.4	10.1	4.7	9.0	3.4
Pasig	35.0	12.1	29.3	2.0	19.8	0.7
Pasay	4.7	2.0	1.0	0.7	0.3	0.7
Quezon	46.3	19.1	37.3	16.8	28.5	11.1
<b>Total</b>	<b>30.2</b>	<b>7.5</b>	<b>24.6</b>	<b>5.2</b>	<b>21.0</b>	<b>3.4</b>

**Figure F9. Percentage of RFSW by site who got an HIV test in the past 12 months, had an HIV test at the SHC, and came back for the results, 2011**



**Figure F10. Percentage of FFSW by site who got an HIV test in the past 12 months, had an HIV test at the SHC, and came back for the, 2011**

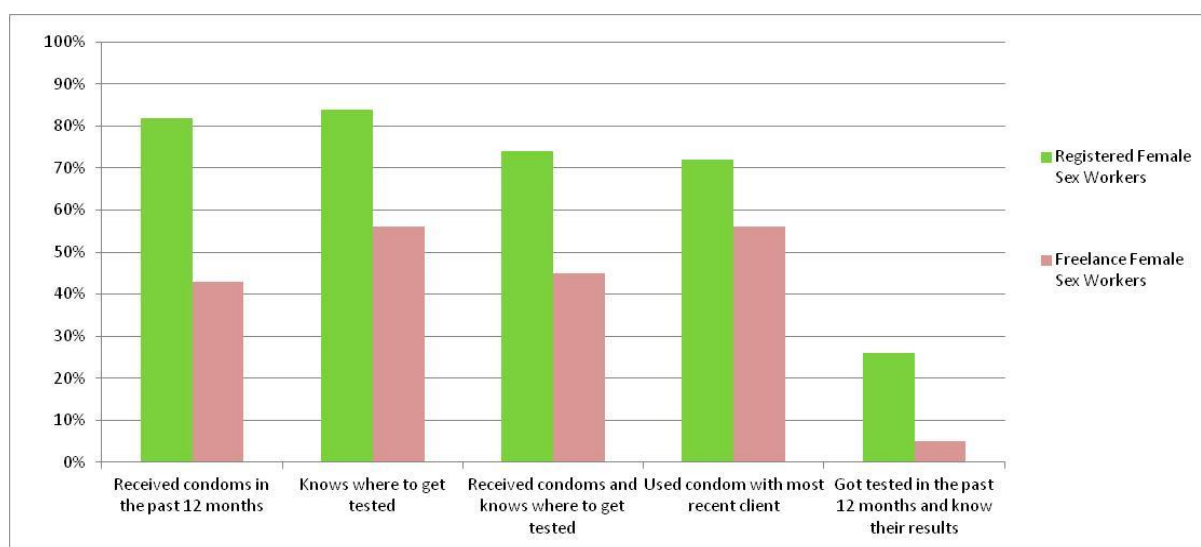


In terms of exposure to HIV interventions in the past 12 months, RFSW showed higher percentages compared to freelance female sex workers (Table F4). This difference in exposure to interventions between RFSW and FFSW can also be seen in Figure F11 which are UN indicators for program coverage. There was lower condom use and HIV testing among FFSW which may be due to lower program coverage among this sub-population of sex workers. Program coverage for RFSW by SHCs need to be sustained, and scaled up for FFSW.

**Table F4. Percentage of RFSW and FFSW by site who attended SHC learning group sessions and received free condoms, 2011**

Site	In the past 12 months:			
	FSW who attended a seminar/meeting by SHCs that discussed HIV or STI (%)		FSW who received free condoms from SHC (%)	
	RFSW	FFSW	RFSW	FFSW
Angeles	99.0	15.7	74.5	21.3
Baguio	91.0	13.0	89.7	14.1
Cagayan de oro	64.4	20.7	86.6	48.2
Cebu	73.0	42.8	79.7	59.6
Davao	92.3	31.0	92.0	57.7
General Santos	62.3	4.0	92.0	11.7
Iloilo	96.3	56.3	86.0	62.0
Zamboanga	91.6	62.5	92.3	78.3
Mandaue	88.7	26.6	89.0	33.6
Bacolod	64.7	46.7	57.3	51.3
Caloocan	61.5	5.3	63.9	11.3
Makati	96.7	15.7	88.9	17.7
Mandaluyong	73.4	39.9	77.1	31.8
Manila	--	12.4	--	13.4
Marikina	50.5	39.2	72.9	55.4
Pasig	72.0	12.8	61.5	27.5
Pasay	54.9	10.0	89.3	6.4
Quezon	70.2	61.5	88.6	71.7
<b>Total</b>	<b>76.9</b>	<b>29.5</b>	<b>81.9</b>	<b>38.5</b>

**Figure F11. Percentage of Female Sex Workers who received free condoms, know where to get an HIV test, used condoms with their clients and got an HIV Test in the past 12 months, 2011**



The IHBSS also looked into the family planning practices of female sex workers. Less than half of the FSW practiced family planning, with freelance FSW having a lower percentage than RFSW (Table F5). Majority (62.6%) of FSW had at least one child. This percentage did not differ between RFSW and FFSW. Only 20% of FSW without children said they practiced family planning. Among those who already had at least one child, 48% practiced family planning. Due to the nature of their

occupation, programs need to further increase the awareness of FSW on the importance of family planning, and the possibility of mother to child transmission once they are infected with HIV.

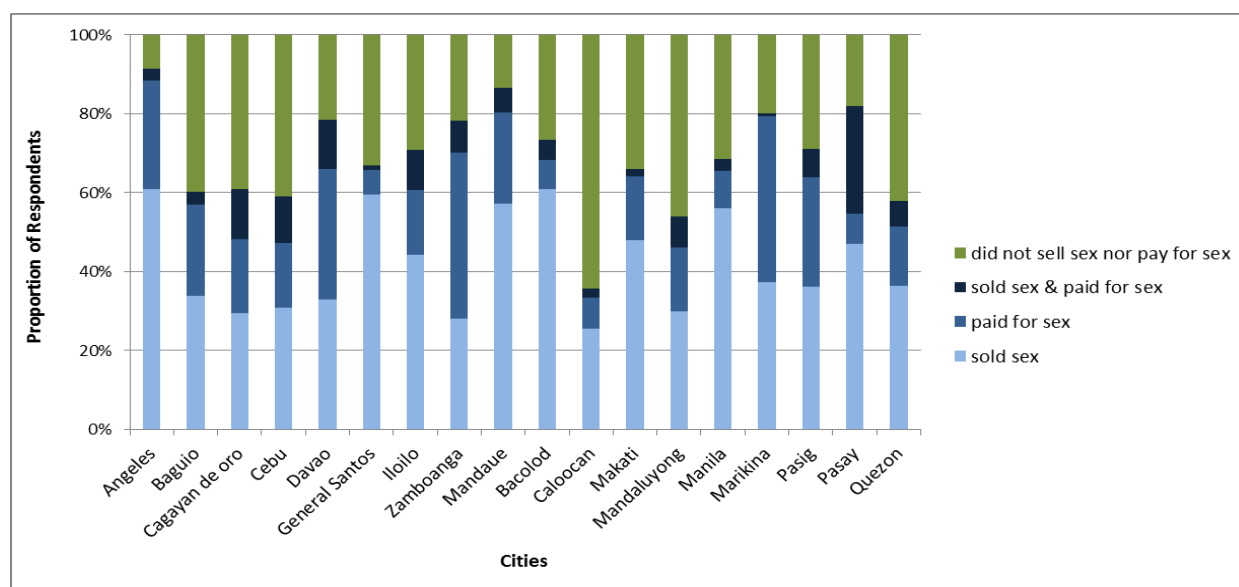
**Table F5. Percentage of RFSW and FFSW by site who practiced family planning, 2011**

Site	FSW who practice family planning in the past 12 months (%)	
	RFSW	FFSW
Angeles	30.9	27.4
Baguio	55.5	15.7
Cagayan de oro	59.9	36.4
Cebu	51.3	29.0
Davao	61.6	49.2
General Santos	26.2	5.8
Iloilo	41.7	42.6
Zamboanga	42.1	46.5
Mandaue	46.3	24.9
Bacolod	39.1	41.3
Caloocan	50.2	8.7
Makati	28.8	30.7
Mandaluyong	33.3	27.7
Manila	--	30.5
Marikina	53.3	13.4
Pasig	40.3	27.7
Pasay	42.8	24.2
Quezon	52.7	45.8
Total	44.5	30.6

## Males who have Sex with Males

Sexual partnership between males may also involve payment. In the IHBSS sample, only 31% solely had unpaid sex; majority (69%) of the MSM had transactional sex or sex in exchange of cash or kind in the past 12 months. Of the MSM who had transactional sex, 61% accepted payment for sex (or sold sex), 28% paid their partners for sex (or bought sex), and 11% had done both (accepted payment as well as paid their partners in exchange for sex). However, unlike the clear cut Female Sex Worker – Male Client relationship, the dynamics between male paid and paying partners is more complex and fluid. Figure M1 shows the proportion of MSM in each site who had sex in exchange of cash or kind, and those who only had unpaid sex in the past 12 months.

**Figure M1. Proportion of MSM by site who had sex in exchange of cash or kind in the past 12 months by paying for sex, selling sex or both; and MSM who only had unpaid sex, 2011**

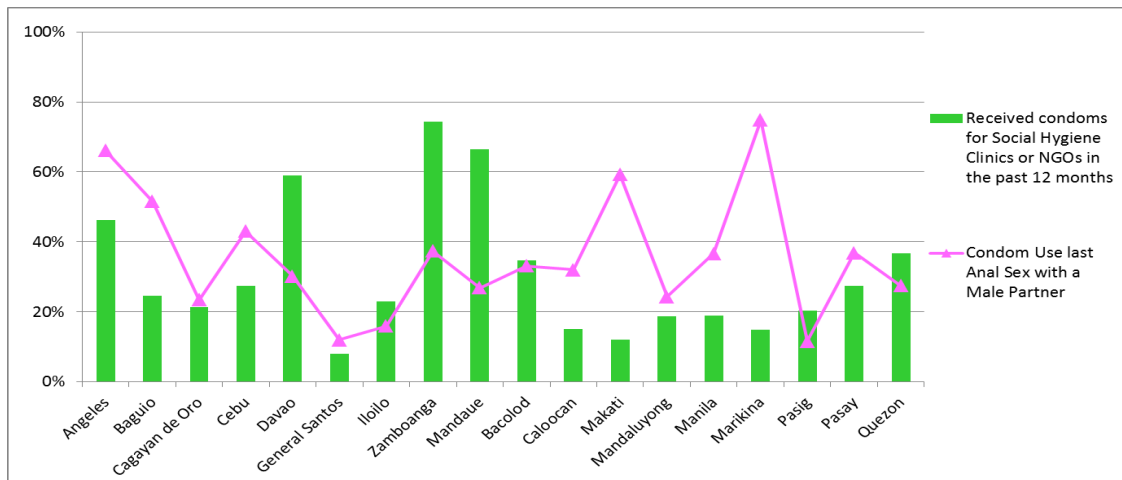


Of those that sold sex, 49% commonly found their paying partners along streets or in parks while 33% used entertainment establishments like gay bars, clubs, massage parlors, spas, or KTVs. The most common way to get a paying partner was to physically stay at cruising sites and wait for clients (53%) followed by getting referral from others (21%) and through mobile phones (17%). Five percent got their clients from pimps, while 4% used the internet to get paying partners. However, apart from going to cruising sites, other strategies to get paying clients varied across sites. Using the internet was common in Cagayan de Oro, Cebu, and Quezon cities, while getting help from a pimp was common in General Santos and Mandaue. Use of mobile phones was most common in Iloilo Pasig and Pasay. The referral system was used by all sites, but especially in General Santos and Manila.

Twenty-one percent of the MSM respondents were members of online social networking (OSN) sites. The cities with the highest membership (32-38%) were Cagayan de Oro, Cebu, Davao, Makati, Pasig and Quezon. In Mandaue, only 4% of respondents were members of online social networking sites. Of those who were OSN members, 32% had sold sex in the past 12 months, 21% had bought sex, and 12% had both sold and bought sex in the past 12 months. However, the IHBSS has no data on whether OSN sites were used for these transactions.



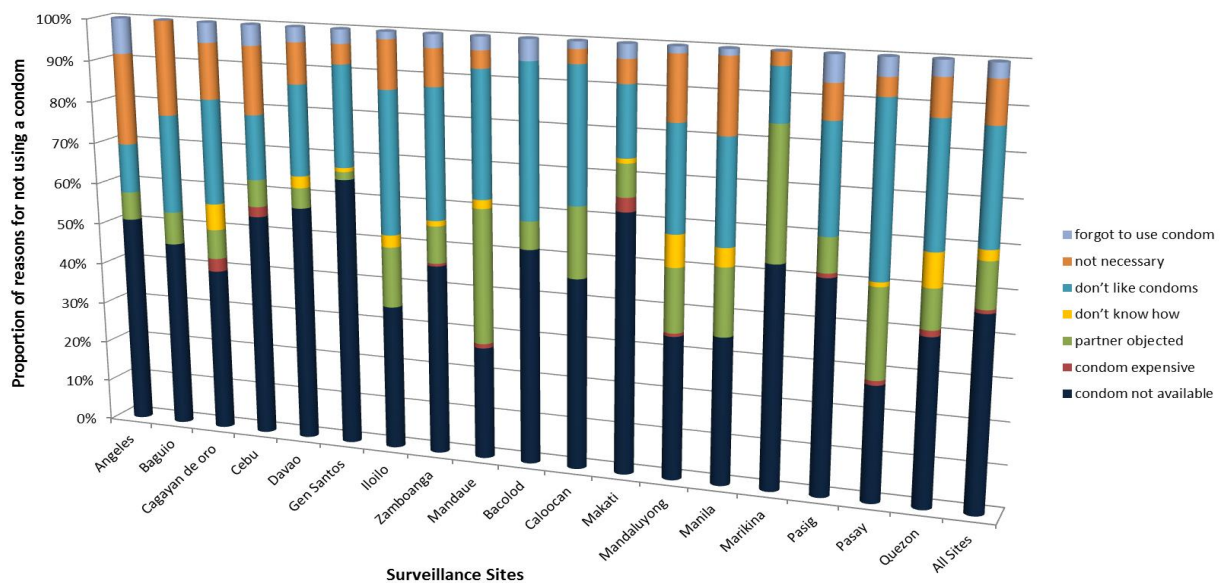
Figure M2. Males who have Sex with Males by site who received free condoms in the past 12 months and used a condom during anal sex with a their last male partner, 2011



Condom use during last anal sex with another male across all MSM surveillance sites was 35%. However, the sites had diversified figures (Figure M2). Among the 18 sites, Marikina (75%), Angeles (66%) and Makati (59%) had the highest percentages while Iloilo (16%), General Santos (12%) and Pasig (12%) had the lowest. None of the sites reached the 80% national target in condom use.

Many factors influence condom use. Compared to female sex workers, only 31% of male who have sex with males (MSM) had received free condoms from a Social Hygiene Clinic or NGO in the past 12 months. Except for Zamboanga (74%), Mandaue (66%) and Davao (59%), less than 50% of MSM in all other sites had received free condoms in the past year. Of the sites, the MSM in General Santos had the least exposure to free condoms and had one of the lowest percentages of condom use (Figure M2). On the other hand, majority of the MSM in Makati and Marikina also did not receive free condoms but had one of the highest percentages of condom use. The reasons why MSM did not use condoms during their last anal sex in the past 12 months are shown in Figure M3. The most common reason for not using a condom was unavailability of condoms.

Figure M3. Reasons why MSM did not use condoms the last time they had anal sex in the past 12 months by site, 2011

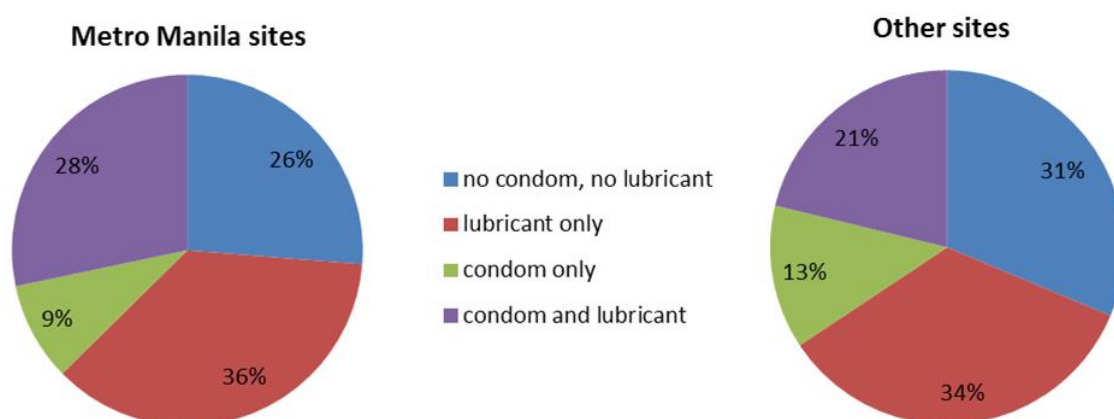




In Metro Manila, 63.7% of MSM used any kind of lubricant during their last anal sex. In other sites, 55.5% of MSM used any kind of lubricant. Figure M4 shows that majority of MSM both in the Metro Manila sites (62.8%) and in the other sites (65.5%) would either not use a condom nor lubricant, or just use a lubricant during anal sex. Also, the practice of using condoms with additional lubricants is not common done only by a minority (21% in Metro Manila sites, 28% in other sites).

Figure M4 lumps all types of lubricants together. However, when asked what type of lubricant they used, Table M1 shows that 40% used saliva while 37% used an oil-based lubricant that could cause condoms to break. Only 24% of those who used lubricants, used a water-based lubricant during their last anal sex act. A higher percentage (30%) of lubricant users in Metro Manila used water-based lubricants compared to the other sites (18%).

**Figure M4. Percentage of MSM who used condoms and any kind of lubricant during their last anal sex (within the past 12 months), 2011**

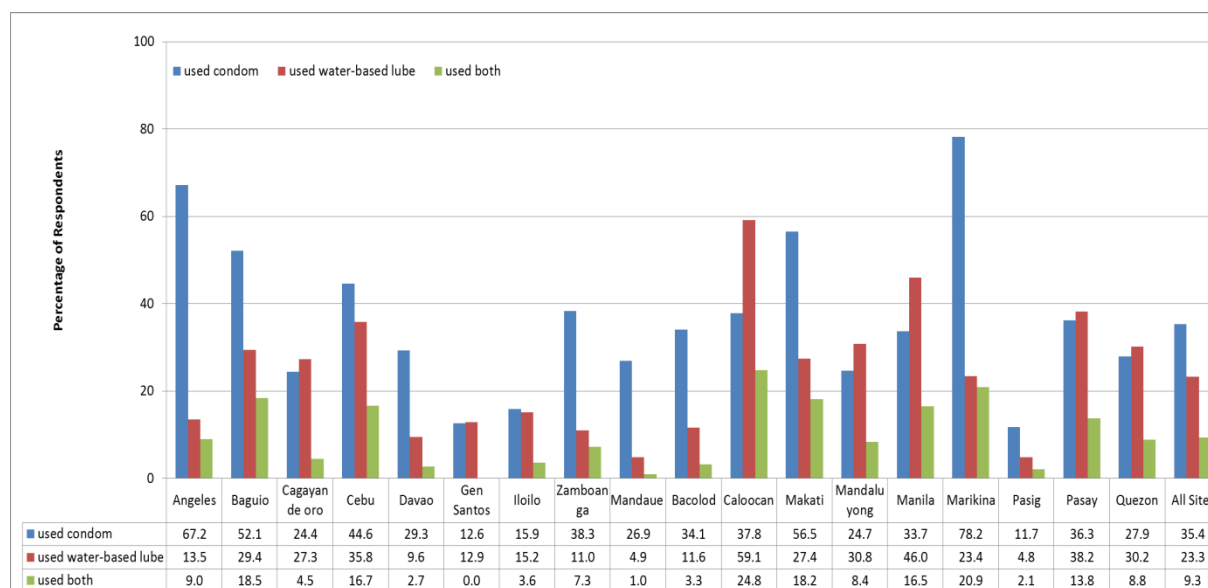


**Table M1. Percentage of different lubricants used by MSM in Metro Manila and in Other Sites during their last anal sex (within the past 12 months), 2011**

Type of Lubricant	Metro Manila Sites	Other Sites	All Sites
Saliva	31%	46%	40%
<b>Water-based Lubricants:</b>			
K-Y jelly	19%	11%	15%
Commercially sold lubricants	11%	7%	9%
<b>Oil-based Lubricants:</b>			
Oil (baby oil, cooking oil or coconut oil)	8%	4%	6%
Lotion	28%	27%	28%
Shampoo or soap	2%	4%	3%

Figure M5 shows that only 9.3% of MSM used both condoms and water-based lubricants during their last anal sex. Among the sites, Caloocan had the highest percentage but this was only 25% of MSM. Use of water-based lubricants with condoms during anal sex is still very low across sites.

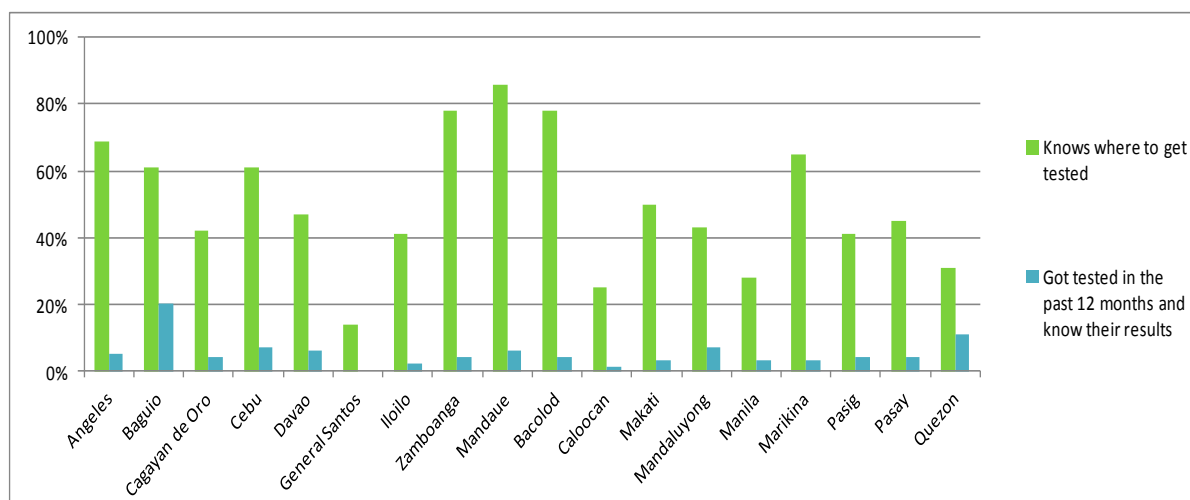
**Figure M5. Percentage of MSM by site who used condoms, water-based lubricants and both during their last anal sex (within the past 12 months), 2011**



Majority (63.6%) felt that they were at risk of getting infected with HIV. This was the trend in most of the sites, except for Mandaue where only 21% of MSM felt they were at risk of getting an HIV infection. The most common reason an MSM felt at risk of HIV infection was having many sexual partners (65.8%), followed by inconsistent condom use (31%), having had sex with an HIV positive partner (3%), and sharing needles with other injecting drug users (<1%). Of those who felt at risk of HIV exposure, 15% had ever gotten an HIV test. Among those who said they had had sex with an HIV positive partner, 24% of them had ever gotten an HIV test.

Only 14.8% of MSM had ever gotten tested for HIV. The reasons for not ever getting an HIV test were the following: afraid to get tested (34%), felt no need to get tested (30%), did not know where to get tested (29%), had no money for testing (6%), and the testing facility was too far (1%).

**Figure M6. Percentage of MSM by site, who know where to get an HIV test and had an HIV test in the past 12 months, 2011**



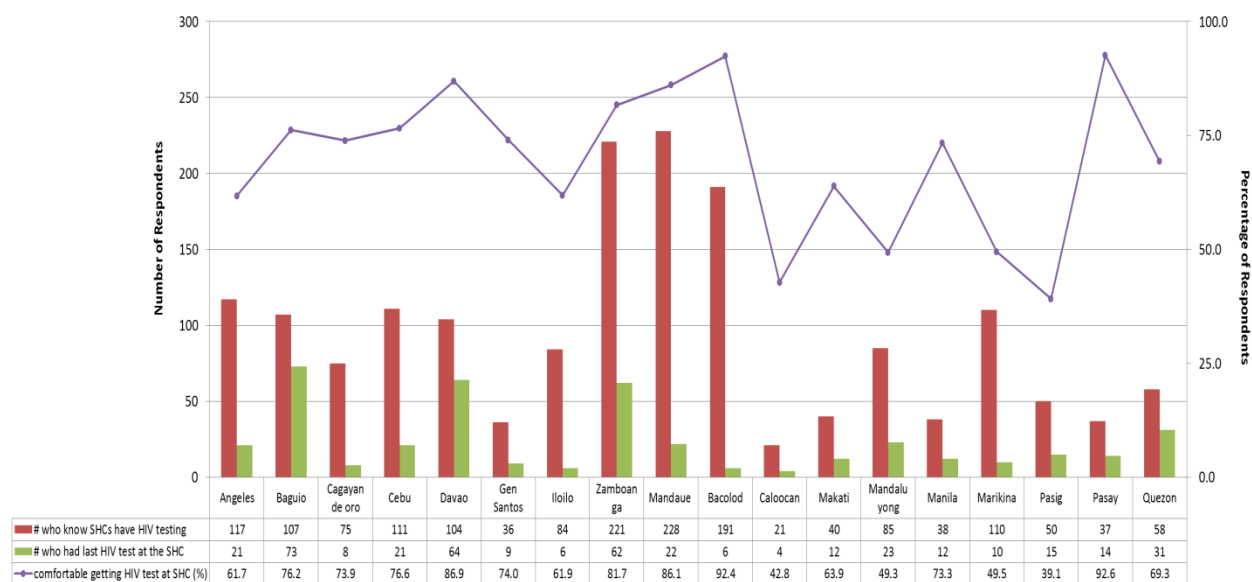
Across sites, knowledge on correct facilities to get an HIV test was 50%. MSM from Mandaue (86%), Zamboanga (78%), and Bacolod (78%) had the highest knowledge of where to get an HIV test while MSM from General Santos (14%) had the lowest (Figure M6).

A lesser percentage of MSM (7%) got tested for HIV in the past 12 months. Of these, 20.5% of them did not get their results. So only 5% of MSM had gotten tested in the past 12 months and knew their results. MSM who knew their current HIV status was highest in Baguio (20%) and lowest in General Santos where <1% were tested for HIV in the past 12 months (Figure M6). The most common reason for not getting HIV test results was that they had forgotten to get them (63%), followed by still waiting for the results (19%), did not want to know results (7%), afraid to get results (6%) and clinic was too far (5%). The sites with the highest number of MSM who did not get their HIV results were General Santos (2 out of 3), Iloilo (4 out of 9), Davao (14 out of 32) and Angeles (9 out of 23).

Among those who recently got tested for HIV, 71% went to Social Hygiene Clinics (SHC) for HIV testing, 25% went to private laboratories or clinics, and 4% used blood service facilities. Access of SHCs for HIV testing was highest in Caloocan (3 out of 3), Quezon City (26 out of 29), Mandaue (17 out of 19) and Davao (24 out of 27); and was lowest in Pasay (1 out of 8), Iloilo (2 out of 9), and Cebu City (6 out of 19).

Figure M7 shows the number of MSM who know SHCs offer HIV testing, the percentage of MSM who were comfortable getting an HIV test at an SHC, and the number of MSM who actually got their last HIV test at an SHC. The IHBSS has no information on the reasons for accessing or not accessing the SHC for HIV testing.

**Figure M7. (a) Number of MSM who know SHCs have HIV testing; (b) number who got their last HIV test at an SHC; and (c) the percentage of MSM who were comfortable getting an HIV test at the SHC by site, 2011**



Of those that got tested for HIV in the past 12 months, 30% underwent HIV testing because it was required of them. This requirement was set by their local employer (85%), by their employer abroad (14%), or by their school (1%).

Information about HIV and sexually transmitted infections (STI) were obtained mostly from friends (27%). Table M2 shows the sources of information for MSM from Metro Manila and those from other sites. Friends and television was the most common source of information for MSM from Metro Manila.

While friends, Social Hygiene Clinics and Peer Educators were the sources of information for MSM from other sites outside of Metro Manila.

**Table M2. Sources of HIV and STI information for MSM in Metro Manila and Other Sites, 2011**

Sources of Information	Other Sites	Metro Manila Sites	All Sites
SHC	20.1%	5.0%	13.3%
Peer Educators or NGO	15.3%	6.4%	11.3%
Flyers	1.6%	6.0%	3.6%
TV	9.2%	17.3%	12.9%
Radio	6.0%	7.5%	6.7%
Internet	5.3%	7.5%	6.3%
Newspaper or Tabloid	3.9%	7.9%	5.7%
Magazine	1.6%	4.3%	2.8%
Friends	25.0%	28.8%	26.8%
Family/Relatives	3.3%	3.5%	3.4%
Teachers	8.8%	5.9%	7.5%

Percentage of MSM who have access to HIV and STI services provided by the Social Hygiene Clinics and Peer Educators/Non-Government Organizations (NGOs) varied depending on the site (Table M3). In general, the reach of the Social Hygiene Clinic in terms of approaching MSM to provide HIV prevention education, getting MSM to attend seminars or meetings on HIV prevention, and distribution of free condoms were higher than the reach of Peer Educators/NGOs. However, there should be caution in the interpretation of these results since, depending on the site, some peer educators were SHC staff or would introduce themselves as partners of the local SHC.

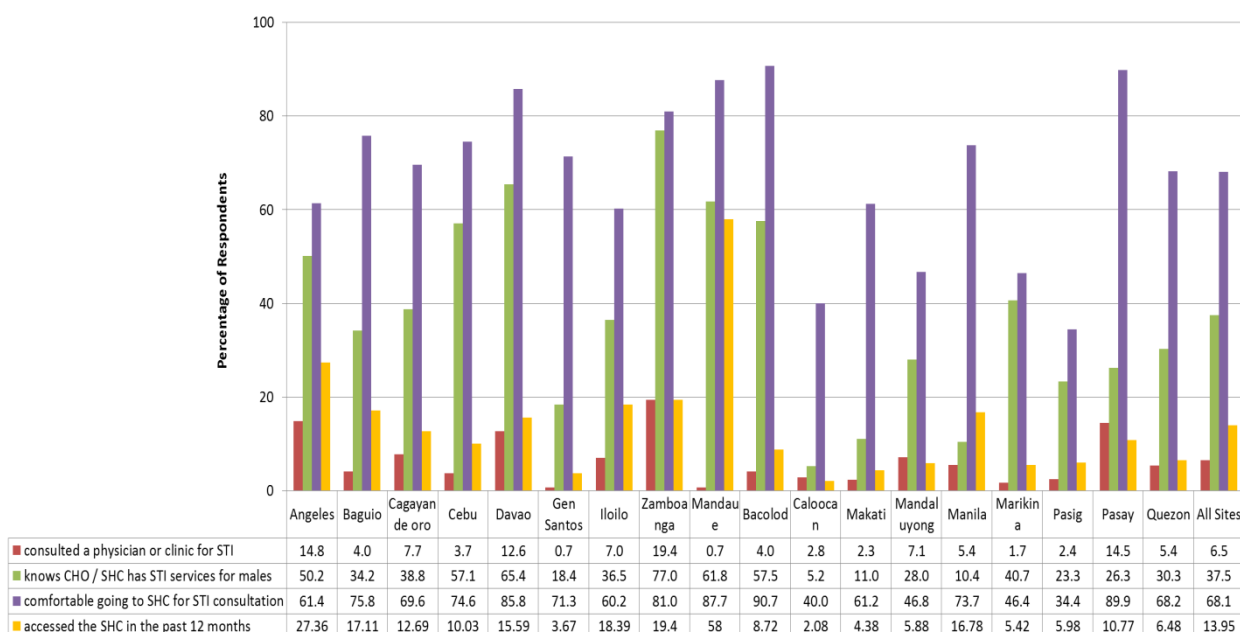
**Table M3. Percentage of MSM by site who had access to HIV and STI services from SHCs and peer educators/NGOs in the past 12 months, 2011**

Site	MSM approached by someone to discuss HIV prevention (%)		MSM who attended a seminar or meeting that discussed HIV or STI prevention (%)		MSM who received free condoms (%)		MSM who consulted the SHC (%)	MSM who had their last HIV test at the SHC (%)
	By SHC staff	By PE/ NGO	By SHC staff	By PE/ NGO	From SHC	From PE/ NGO		
Angeles	28.1	6.7	38.0	4.4	44.8	10.8	27	7
Baguio	12.4	2.4	20.8	5.7	24.2	2.4	17	24
CDO	9.6	11.6	9.6	12.8	14.9	13.9	13	3
Cebu	16.1	6.7	23.1	10.7	25.8	6.1	10	7
Davao	19.9	25.2	26.9	35.9	38.6	32.6	16	21
General	3.0	0.7	7.3	1.7	8.0	0.0	4	3
Iloilo	18.3	4.7	14.3	7.0	20.7	6.4	18	2
Zamboanga	22.0	39.3	55.3	40.0	66.3	41.5	19	21
Mandaue	51.5	51.5	46.2	52.5	62.8	53.5	58	7
Bacolod	9.9	14.95	11.9	15.8	26.5	17.8	9	2
Caloocan	7.9	1.0	6.2	1.0	12.4	3.5	2	1
Makati	6.4	5.7	7.4	4.7	9.4	7.1	4	4
Mandaluyong	11.8	4.1	14.9	2.3	17.5	5.2	6	8
Manila	5.7	6.4	12.8	8.1	15.8	11.6	17	4
Marikina	5.4	4.8	7.8	3.4	13.6	2.7	5	3
Pasig	9.1	9.1	7.5	6.8	19.9	6.6	6	5
Pasay	17.9	13.6	27.9	13.8	27.2	12.2	11	5
Quezon	17.9	14.5	19.5	15.7	30.5	21.0	6	10
Total	15.3	12.5	20.1	13.6	26.8	14.4	14	8

Fourteen percent of MSM visited a Social Hygiene Clinic in the past 12 months, and 8% got an HIV test at the SHC. More than half of the MSM in Mandaue had visited the SHC in the past year, but only 7% had gotten an HIV test there. In contrast, in Baguio, Davao, Zamboanga, Mandaluyong and Quezon City, a greater percentage of MSM said they had their last HIV test at the SHC compared to those that visited the SHC. The IHBSS has no information if those who said they had their last HIV test at the SHC actually went to the SHC or got tested during one of the mobile HIV testing activities of the SHC.

Figure M8 shows that 6.5% of MSM reported to have consulted a physician or clinic for an STI in the past 12 months. While 68.1% said they were comfortable accessing the SHC for STI consultation only a third (37.5%) knew that Social Hygiene Clinics offered male STI services. Fourteen percent of MSM actually went to an SHC in the past 12 months. The breakdown of these indicators by site can be seen in FigureM8.

**Figure M8. Percentage of MSM who(a) consulted a physician or clinic for STI, (b) had knowledge SHCs have male STI services, (c) were comfortable going to the SHC, and (d) actually accessed services of the SHC by site, 2011**



A total of 619 respondents (11.7%) had ever donated blood. Seventeen of these blood donors were HIV positive. The reasons why they donated blood were to help a sick relative or friend or because they participated in a mass blood donation campaign. Of those infected with HIV, only six had donated in the past year. It is possible that these HIV positive respondents were still negative for HIV when they donated blood. There is no available data on whether they knew their HIV status prior to donating blood.

## **Injecting Drug Users**

There are only four IHBSS sites for injecting drug users (IDU) namely, Cebu, Mandaue, General Santos and Zamboanga. It is possible that there are other areas in the Philippines with IDUs. However, the location of these injecting networks may not be known or the size of the known network is too small to be able to conduct an IHBSS round in that area. It should be noted that the HIV situation in these four sites is very different from each other. So caution should be exercised when analysing the four sites together. For this report, each site was analysed separately.

Majority of the IDUs in all four surveillance sites were males. Cebu had the most number of female IDUs (31 or 10.1%); Mandaue, Gen Santos and Zamboanga had 10 (3.2%), 17 (4.7%), and 10 (3.3%) respectively. Of the females who participated in the surveillance, 18 or 58.1% of those in Cebu were female sex workers; one of the 10 in Mandaue, four of the 10 in Zamboanga, and none of the 17 in Gen Santos were female sex workers. For the succeeding analysis, male and female IDUs were not separated but taken as a single IDU sample in each surveillance site.

Almost all the IDUs in Cebu (99%), Mandaue (98%), and General Santos (99%) usually injected nalbuphine (brand name: Nubain) in the past 12 months. In Zamboanga, 53% injected nalbuphine and 46% injected “milkshake” which is a combination of nalbuphine and methamphetamine (“shabu”). There was one IDU in Cebu, one in Mandaue and one in Zamboanga who injected Heroin.

The average amount of drugs injected by IDUs in Cebu was 0.3ml (range: 0.1ml to 1.2ml). In Mandaue, the average amount of drugs injected was also 0.3ml (range: 0.1ml to 0.8ml). In Zamboanga, amount injected ranged from 0.1 to 1.5ml (mean: 0.4ml). In Gen Santos, amount ranged from 0.1ml to 1.0ml, with a mean of 0.5ml.

Based on Tables D1 and D2, IDUs in Zamboanga injected 2 days every 3 months while in Gen Santos they injected for 2 days during the 5 months they injected drugs. In Mandaue, they injected 7 days during the 8 months they injected drugs.

**Table D1. Number of months in a year that an IDU injected in each site, 2011**

Site	Median	Mean
Cebu	12 months in year	12 months in year
Mandaue	10 months in a year	8 months in a year
Gen Santos	4 months in a year	5 months in a year
Zamboanga	3 months in a year	4 months in a year

**Table D2. Frequency of injection during the months that an IDU injected in each site, 2011**

Site	Median	Mean
Cebu	30 days in a month	23 days in month
Mandaue	4 days in a month	7 days in a month
Gen Santos	2 days in a month	2 days in a month
Zamboanga	2 days in a month	2 days in a month

In Mandaue, Gen Santos and Zamboanga the IDUs injected once a day during the days they injected drugs. However in Cebu, IDUs injected drugs 3 times a day, almost daily for the entire year.

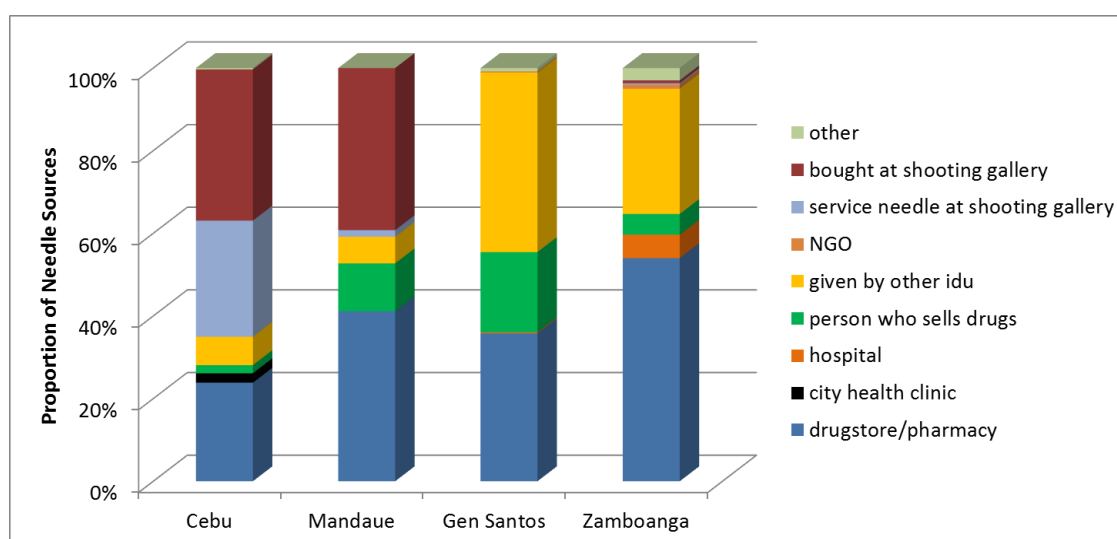
In the past month prior to the IHBSS, the IDUs in Cebu went to the shooting gallery 5 times or once a week on average to inject drugs; some went as much as 42 times in 30 days. Meanwhile, the mean number of times an IDU in Mandaue went to a shooting gallery in a month was 0.7 times or less than once a month, with a maximum of 7 times or about 2x a week. The frequency of injecting drugs and going to shooting galleries was higher in Cebu than Mandaue. This can be one of the reasons why HIV infections were higher in Cebu than Mandaue.

Majority of IDUs in Cebu (79.3%) and Mandaue (62.6%) usually injected drugs in a shooting gallery in Barangay Kamagayan in Cebu city. In General Santos, the house of another IDU was the most common venue for injecting drugs; while in Zamboanga, it was either in a shooting gallery called “tambayan or hideout” or the house of another IDU (Table D3).

**Table D3. Venue where IDUs usually inject drugs by site, 2011**

Venue	City			
	Cebu	Mandaue	Gen Santos	Zamboanga
Shooting gallery in Bgy Kamagayan, Cebu city	79.3%	62.6%	0.0	0.0
Shooting gallery in Cebu (but not in Kamagayan)	11.5%	12.3%	0.0	0.0
Shooting gallery or “Tambayan/ Hideout” in Gen Santos	0.0	0.7%	1.1%	0.0
Shooting gallery or “Tambayan/ Hideout” in Zamboanga	0.0	0.0	0.0	45.7%
Respondent’s house	7.2%	9.4%	14.8%	8.0%
House of another IDU	2.0%	13.2%	84.1%	45.0%
Other	0.0	2.0%	0.0	1.3%

**Figure D1. Usual needle source in the past 12 months by site, 2011**



Usual needle sources differed by site. In Cebu and Mandaue, shooting galleries were the most common needle source (Figure D1). Other IDUs was the common source in General Santos, while it was pharmacies in Zamboanga.

**Figure D2. Risky injecting behaviors by site, 2011**

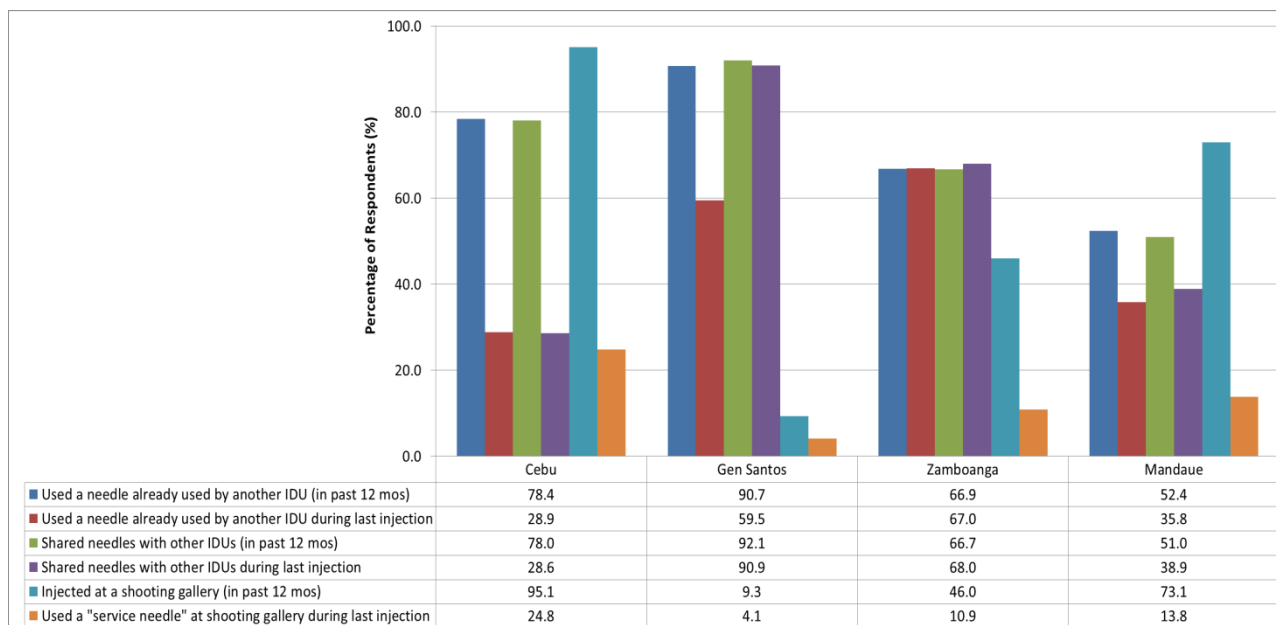


Figure D2 shows different risky injecting behaviors practiced in the four sites. Answers to using a needle already used by another IDU and sharing of needles were consistent in Zamboanga. In Cebu, answers pertaining to risky injecting behaviour in the past 12 months were higher than the practice of the same behaviors the last time they injected drugs. A similar trend, although not as apparent, was seen in Mandaue. Whereas, going to shooting galleries was not a common practice among IDUs in Gen Santos.

Prior to the 2011 IHBSS, the country only reported the percentage of IDUs who did not share their last injection. This was the global indicator for risk of HIV transmission among IDUs. However, with the detection of an HIV outbreak among IDUs in 2010, the National Epidemiology Center conducted an outbreak investigation to understand the source of transmission.

The investigation showed that most of the IDUs in Cebu were alone when they injected drugs at a shooting gallery. Thus, IDUs were correct when they answered “no” to the question: “did you share needles with other IDUs during your last injection?” The source of HIV transmission was not passing of needles in shooting galleries as they were commonly thought of in the world. In Cebu, HIV was being transmitted through “service needles” provided by drug dealers at the shooting galleries. “Service needles” were a set of 10 to 15 needles & syringes laid out in a tray that an IDU can use free of charge when he or she buys drugs at a shooting gallery. Service needles or service trays come from the concept of “service water” which is drinking water restaurants provide free of charge to its diners. Once an IDU orders the amount of nubain he wants from the drug dealer, the IDU can pick out a needle from the “service tray” and use it for his injection. Shuffling of air or water is used to clean the needle and syringe which are then returned to the tray. This benefit of not spending for needles allows IDUs to purchase more drugs.

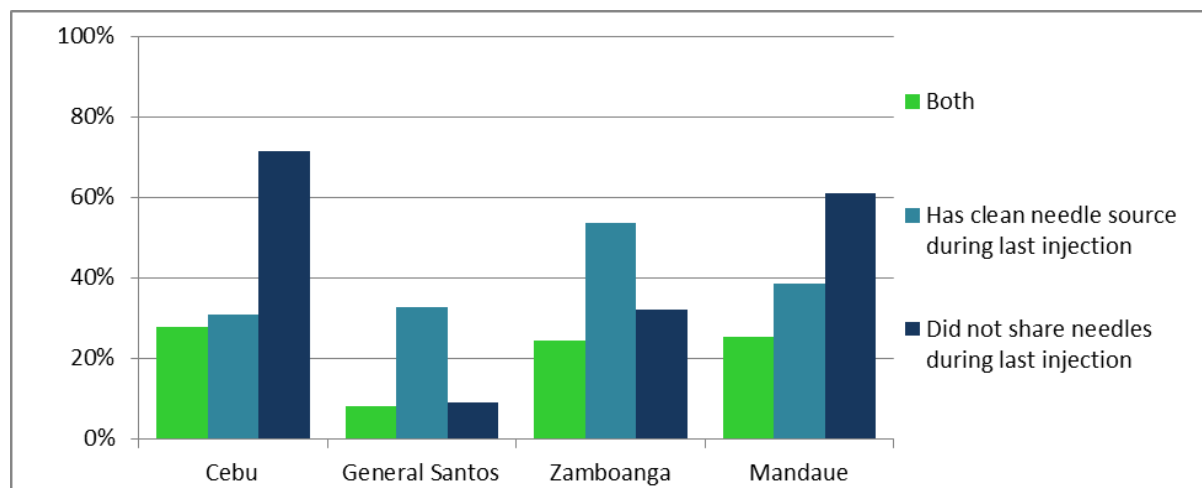
The National Epidemiology Center reviewed the IHBSS questions for IDU and added questions like the source of the needle and syringe used for the last injection.

Figure D3 shows the difference in the responses to the question on sharing needles, the question on needle source and the combination of the two. More than 60 percent of injecting drug users in Cebu



and Mandaue did not share needles during their last injection; this is 20 to 50 percent higher than the other two cities, General Santos and Zamboanga. However, number of IDU who got their needle from a clean needle source during their last injection was lowest in Cebu (31%) and Mandaue (39%). In these two sites, IHBSS results showed that IDU respondents usually got their needles from another IDU, a person who sells drugs or from the shooting gallery. In Zamboanga and Gen Santos, more IDUs obtained needles from clean needle sources but a greater percentage shared needles during their last injection. Once these two questions are combined, less than 30% of IDUs in Cebu and Mandaue practiced safe injecting behavior during their last injection.

**Figure D3. Injecting Practices among Injecting Drug Users by Site, 2011**



When asked if what they thought about the service needles in shooting galleries, 40.5% of IDUs in Cebu and 43.6% of IDUs in Mandaue believed the needles were clean. However, a lower percentage of IDUs in Zamboanga (27.3%) and Gen Santos (13.9%) thought the needles in shooting galleries were clean.

Half the IDUs in Cebu (52%) and Zamboanga (49%), 21% of IDUs in General Santos and 20% of IDUs in Mandaue had work at the time of the IHBSS. Of those that worked, they earned between P50.00 to P40,000.00 with an average of P4,800.00, during the previous month. However, limited income did not seem to influence pooling of funds to be able to purchase drugs. The last time the IDUs in Cebu injected drugs, only 24.8% of them pooled funds. Pooling of funds was even lower in Mandaue (13.8%), Zamboanga (10.8%) and Gen Santos (4.1%).

In all four cities, there were IDUs who injected drugs in other cities. In Mandaue, 87% of the IDUs had injected drugs in another city, and half of these IDUs shared needles with other IDUs in that city. The percentage of IDUs injecting in other cities was low for Cebu (6.5%), Gen Santos (8.7%), and Zamboanga (5%). Mandaue is adjacent to Cebu city. Most of the IDUs in Mandaue also injected in Cebu city.

IDUs do not just inject drugs, they also have sex. Table D4 shows the percentage of IDUs living with a partner by sex and site. A higher percentage of female IDUs are living with a sex partner than male IDUs. IDUs in Mandaue had the least percentage of IDUs who lived with a sex partner.

**Table D4. Percentage of IDUs who are currently living with a partner by sex and site, 2011**

Site	Male IDU	Female IDU	All IDU
Cebu	27.3%	61.3%	30.8%
Mandaue	18.6%	40.0%	19.3%
Zamboanga	40.8%	80.0%	42.3%
General Santos	45.1%	37.5%	44.8%

Of the four, Cebu city had the highest percentage of IDU (23%) who used a condom during last sex with any partner while General Santos had the lowest (9%). Condom use during last sex with any partner across sites was 17% among female IDUs, 19% among male IDUs, and 19% for combined male and female IDUs.

Condom use during last sex of IDUs with their non-paying partners was lowest (23%) compared to their other types of sex partnerships (Figure D4). On the other hand, condom use among IDUs who were clients of sex workers in the past month was the highest (41%) compared to other type of sex partners. Cebu (51%) had the highest percentage of IDU who used condom among clients while Mandaue had the lowest (31%).

**Figure D4. Condom Use of Injecting Drug Users with Different Types of Partners by Site, 2011**

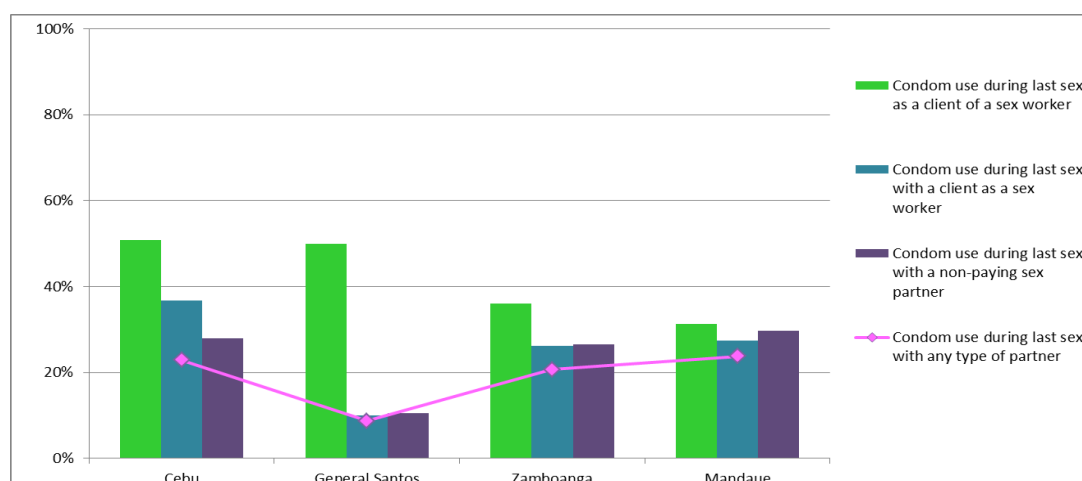


Table D5 shows the number of IDU respondents who also sold sex in the past month (ie. IDU-Sex Workers). Among the IDU-Sex Workers, only 10% of those from General Santos used a condom with their last client. Condom use among IDU-Sex Workers was highest in Cebu of the four sites (37%) followed by Mandaue and Zamboanga (both 27%).

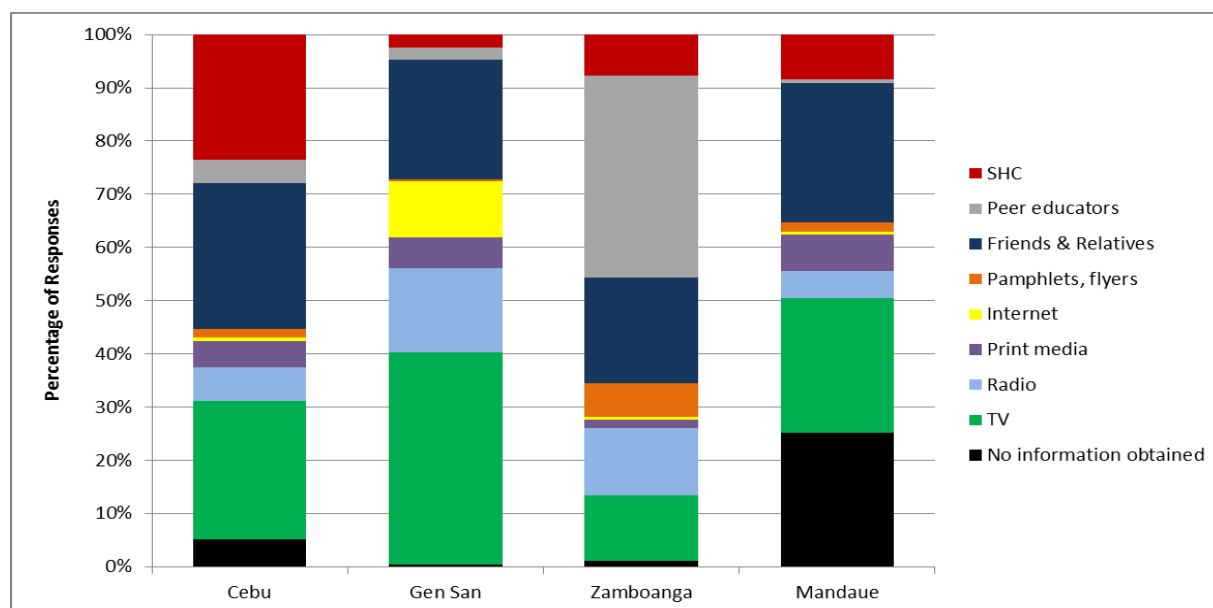
**Table D5. Number of IDU who said they sold sex in the past 12 months by sex and site, 2011**

	Cebu	Mandaue	Zamboanga	Gen Santos
<b>Male IDU-SW</b>	69 of 275	67 of 301	49 of 289	18 of 345
<b>Female IDU-SW</b>	17 of 31	0 of 10	4 of 10	0 of 17

Among IDUs in Cebu, the most common source of information on HIV and STI were friends and relatives (27%), the television (26%), and the Social Hygiene Clinic (24%). In Gen Santos, the TV (40%) was the most common source of information; it was peer educators (39%) in Zamboanga; and friends and relatives (26%) and the TV (25%) in Mandaue. Cebu had the highest percentage of IDUs who got HIV and STI information in the Social Hygiene Clinic; while Zamboanga had the highest

percentage of IDUs receiving information from peer educators. Mandaue had the highest percentage of IDUs (25%) who had not received any information on HIV and STI.

**Figure D5. Source of Information on HIV or STI among IDUs by Site, 2011**



Zamboanga had the highest (75%) percentage of IDUs who answered all the knowledge questions correctly, followed by Gen Santos (57.5%) and Cebu (56.4%). Mandaue had the lowest (5.5%) percentage of IDUs with correct knowledge of HIV.

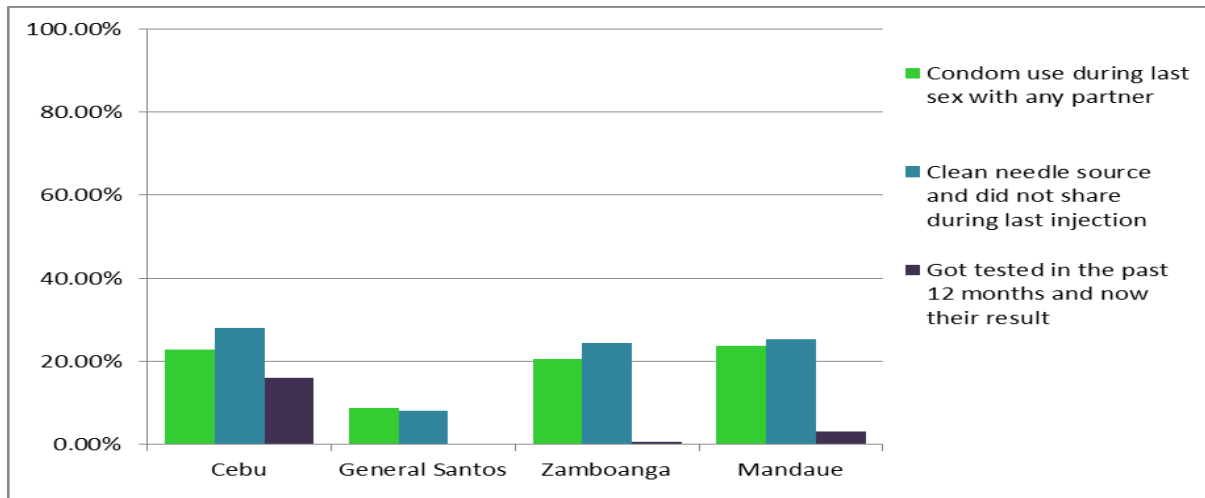
More IDUs in Cebu (16.0%) and Mandaue (20.9%) knew that there are infections that can be transmitted through sexual contact than Gen Santos (9.9%) and Zamboanga (2.7%). There were also more IDUs in Cebu (5.9%) and Mandaue (9.0%) compared to Gen Santos (1.5%) and Zamboanga (2.8%) who had experienced unusual genital or urethral discharge in the past 12 months.

**Table D6. Percentage of IDU by site who had access to HIV and STI prevention services from SHCs and peer educators/Non-Government Organizations (NGO) in the past 12 months, 2011**

Site	IDU approached by someone to discuss HIV prevention (%)		IDU who attended a seminar or meeting that discussed HIV or STI prevention (%)		IDU who received free clean needles & syringes (%)	IDU who have been taught how to clean needles/syringes using bleach (%)	IDU who received free condoms (%)	
	By SHC staff	By PE/ NGO	By SHC staff	By PE/ NGO			From SHC	From NGO
Cebu	61.6	10.8	43.9	14.1	38.9	22.9	58.8	10.9
Gen Santos	6.8	13.9	3.6	8.7	<1	12.6	13.9	14.7
Zamboanga	34.1	89.3	31.3	89.7	2.0	89.0	36.3	88.7
Mandaue	14.2	5.1	9.3	4.8	7.5	4.2	13.8	5.6

Of the four IDU sites, IDUs in Cebu and Zamboanga had the highest access to HIV and STI prevention services from their local SHCs, while Non-Government Organizations (NGOs) had the greatest reach among IDUs in Zamboanga (see Table D6). Cebu had the highest number of IDU who got tested in the past 12 months and knew the results (Figure D6). However, this was still less than 20%. HIV testing in the three other sites was lower than 5%. Meanwhile, condom use during last sex was not more than 25% in all sites.

**Figure D6. Protective Behaviors of Injecting Drug Users by Site, 2011**



When asked if they had been imprisoned for any crime in the past 12 months, 21% of IDUs in Cebu, 22% of IDUs in Mandaue, 7% IDUs in Zamboanga, and 5% of IDUs in Gen Santos, said yes.

Only 47 out of the 1,236 IDUs in the IHBSS had ever been admitted to a Drug Rehabilitation Center. While 61 or 20% of IDUs in Cebu, 15 or 5% of IDUs in Mandaue, 10 or 3% of IDUs in Zamboanga and one IDU in Gen Santos, were willing to be admitted to a Drug Rehabilitation Center.

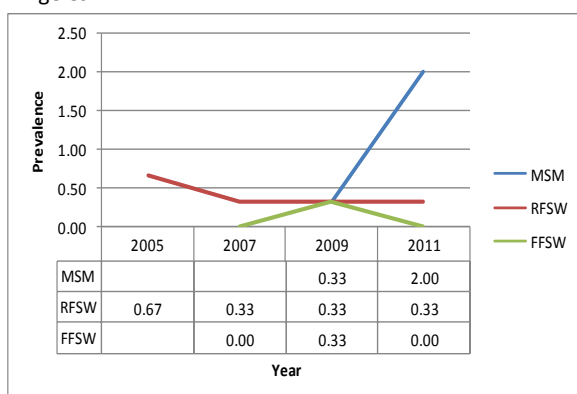
## B. HIV PREVALENCE

A sudden increase in new HIV infections among IDUs in Cebu between 2009 and 2011 increased the country's HIV prevalence. Moreover, the HIV prevalence among MSM also increased in majority of the surveillance sites (Figures 12 - 22).

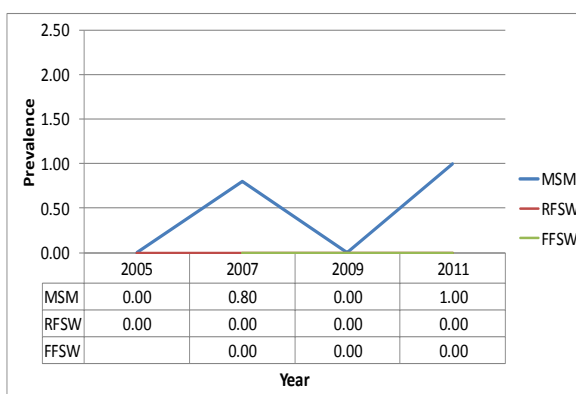
The HIV prevalence among Registered FSW was either stable or decreasing by 2011. While the HIV prevalence among Freelance FSW was variable. In Cebu, where many Freelance FSW also inject drugs, the HIV prevalence was much higher than other sites.

**Figures 12 – 21. HIV Prevalence of MSM, RFSW, FFSW and IDU by Sentinel Site, 2005-2011**

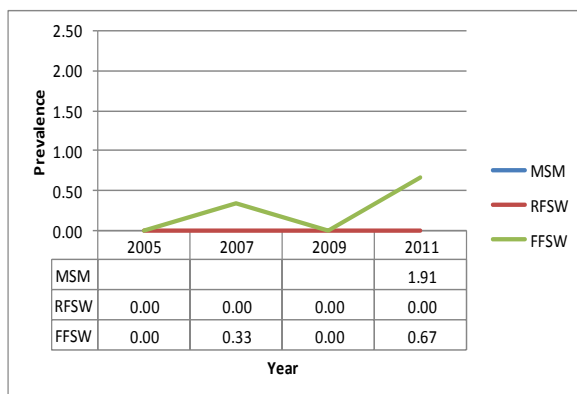
Angeles



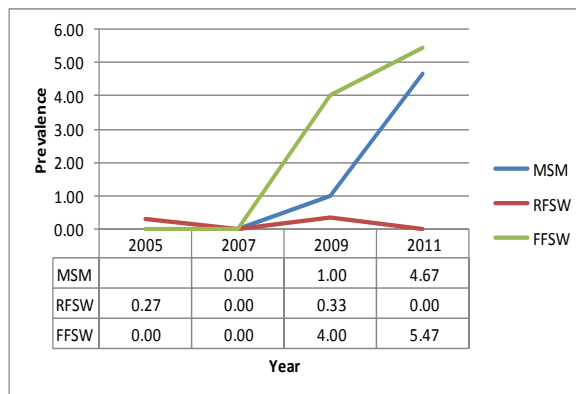
Baguio



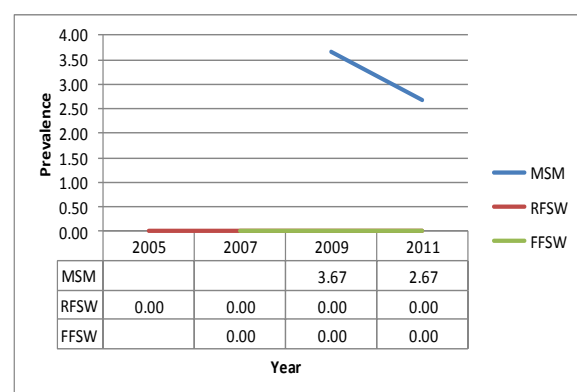
Cagayan de Oro



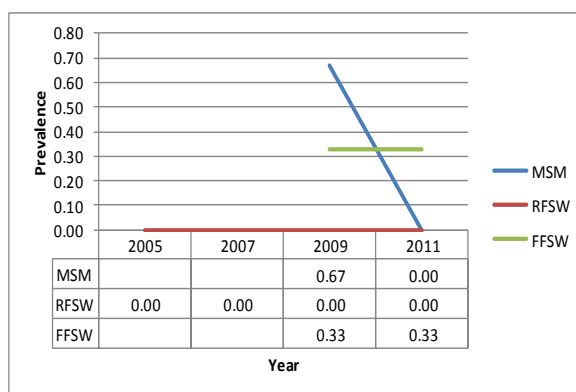
Cebu



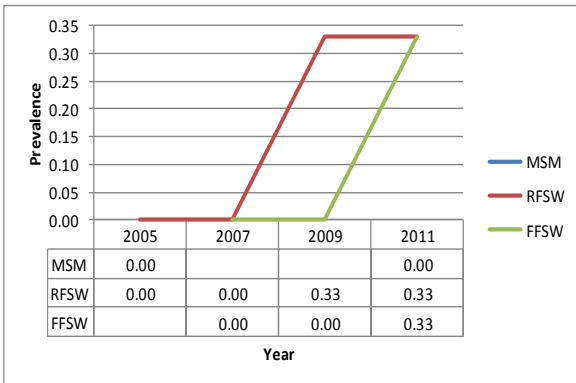
Davao



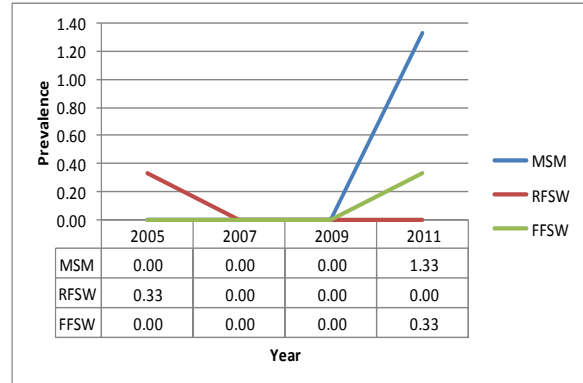
General Santos



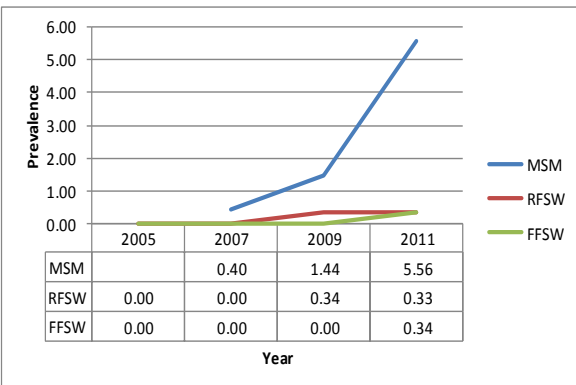
Iloilo



Zamboanga



Quezon



Pasay

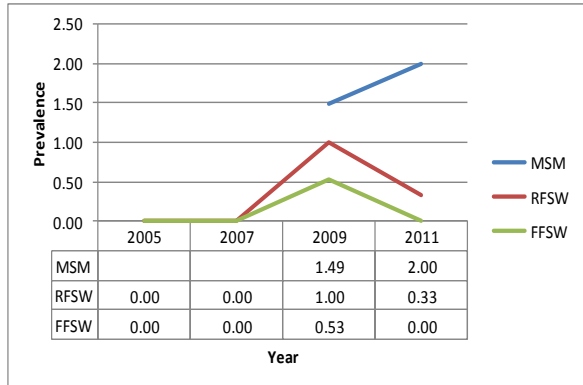
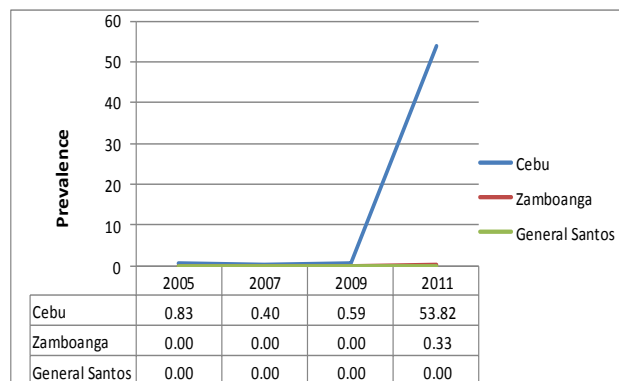


Figure 22. HIV Prevalence among Injecting Drug Users by Sentinel Sites, 2005 - 2011



## **IHBSS CONCLUSIONS AND RECOMMENDATIONS**

### **CONCLUSIONS**

One of the most disquieting result of the 2011 IHBSS is the significant increase of HIV and Syphilis prevalence among the most-at-risk populations from 2009 to 2011. The most substantial increase in the HIV prevalence is among IDUs in Cebu City, where more than half of the respondents were tested positive for HIV. The MSM prevalence increased as well while the FFSW prevalence is variable across the sites. However, it should also be highlighted that the prevalence among RFSW has decreased. This shows some success of the FSW program in terms of stabilizing the HIV epidemic among FSW.

Low usage of condoms becomes a contributory factor to the increase in HIV prevalence. Males who have sex with males who reported use of condom the last time they had anal sex with a male partner in the last 6 months slightly increased from 2009 to 2011. Still, condom use target among MSM has not been met. Condom use with every client in the last month among female sex workers was relatively unchanged from 2009 to 2011 and has not reached the country target. Access to Social Hygiene Clinics maintain higher condom use among Registered FSW than Freelance FSW.

Percentage of injecting drug users who have adopted behaviors that reduce transmission of HIV remained at less than 65 percent for 2009 and 2011. A number of injecting drug users however, still practice multiple risk behaviors such as injecting drugs with unclean needles, sharing needles, and unprotected sex with multiple male and female partners.

Knowledge among key populations only increased slightly despite efforts to strengthen and expand HIV education. Majority of the key affected populations still felt they were at risk of getting infected with HIV. However, only 5% among MSM and 16% of FSW had been tested in the past 12 months and got their HIV results. For those who did not get an HIV test in the past 12 months, common reasons were afraid to get tested, felt no need to get tested, did not know where to get tested, and had no money for testing.

With only slight improvement in the HIV knowledge, attitude, and behaviours, it is not surprising that the HIV epidemic among key populations, especially MSM and IDU, continue to increase. The improvements merit acknowledgement for the various program implementers, organizations, and other partners. However, bolder and broader steps need to be taken for the country to have a fighting chance in halting or reversing the HIV epidemic.

### **RECOMMENDATIONS**

The current HIV situation as shown by the increasing HIV prevalence among most-at-risk populations is alarming. Program interventions targeted to key affected populations should be strengthened and implemented in the most vulnerable areas to reverse the trend and maintain the country target at less than 1% HIV prevalence.

HIV education in terms of raising awareness, knowledge and skills may be considered a key component of HIV prevention and control. Specifically, behavioural communication messages for key affected populations should be developed with emphasis on condom use and STI prevention. It should be ensured that the prevention messages and messages that encourage access of HIV and STI services have specific and practical information targeted to the needs of each key population.

Since high and frequent utilization of Social Hygiene Clinics among RFSW was evident and may be contributing to the positive outcome in terms of condom use, testing, and even HIV prevalence – expanding its coverage will be important. However, there may be a need to repackage the SHC to cater not only to FSW but ensure that MSM and IDU are also comfortable visiting their local clinics. SHC can also offer a more comprehensive scope of services that can address the important sexual health as well as HIV prevention, diagnosis, and treatment needs of various key populations.

Scaling up of SHC programs, such as HIV Counselling and Testing (HCT) services, and condom and lubricant provision can provide an enabling environment which promotes health-seeking behaviour among key affected populations. There should be a strong movement to improve current HCT coverage since HIV testing is the first step in the HIV continuum of care among those infected with HIV. Without getting tested and knowing their status, key populations will continue to expose partners to HIV and not have access to anti-retroviral therapy.

In line with this, partnerships with community based organizations, non-government organizations, civil society, schools, private sector, and other network or groups should be maximized complement current programs to increase programmatic coverage as well as increase the scope of current interventions. This is especially important for the MSM and IDU since only a low percentage access the SHC.

With the HIV epidemic increasing among different risk groups across the country, high impact and high coverage HIV prevention, diagnosis and treatment programs must be strategically put in place. Adequate financial and human resources, infrastructure, relevant policies and non-inhibiting laws are also needed to enable seamless implementation of these programs.



**IHBSS RESULTS**  
**SECTION 2: FACTSHEETS**

This section contains the IHBSS Fact Sheets for the different most at-risk populations in the Philippines, as well as different geographical areas (Philippines, National Capital Region, and individual surveillance sites).

The factsheets begin in the next page.

**Female Sex Worker (FSW)**



# 2011 Integrated HIV Behavioral and Serologic Surveillance

## FEMALE SEX WORKERS

### IHBS Inclusion Criteria:

**RFSW:** Born female, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**FFSW:** Born female, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

### FSW SITES

- 2005:** Angeles, Baguio, Cebu, Cagayan de Oro, Davao, Gen Santos, Iloilo, Zamboanga, Pasay, Quezon
- 2007:** Angeles, Baguio, Cebu, Cagayan de Oro, Davao, Gen Santos, Iloilo, Zamboanga, Pasay, Quezon, Makati, Marikina, Mandaluyong, Pasig
- 2009:** Angeles, Baguio, Cebu, Cagayan de Oro, Davao, Gen Santos, Iloilo, Zamboanga, Butuan, Laoag, Puerto Galera, Puerto Princesa, Santiago, Tuguegarao, Surigao, Pasay, Quezon, Makati, Marikina, Mandaluyong, Pasig, Manila, Calocan
- 2011:** Angeles, Baguio, Cagayan de Oro, Cebu, Davao, Gen Santos, Iloilo, Zamboanga, Mandaue, Bacolod, Calocan, Makati, Mandaluyong, Manila, Marikina, Pasig, Pasay, Quezon

## DEMOGRAPHIC PROFILE

Table 1. Age profile

	2005		2007		2009		2011	
	Combined	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	
Total Sample	4,371	2,952	2,138	5,042	4,272	4,931	4,603	
Age Range (median)	13-58 (22)	15-54(23)	13-52 (22)	15-52 (23)	15-76 (23)	16-54 (24)	15-58 (23)	
<18 years old	1.99%	0.44%	6.92%	0.71%	7.61%	0.47%	6.93%	
18 older	98.01%	99.56%	93.08%	99.29%	92.39%	99.53%	93.07%	

The Female Sex Worker (FSW) survey of the IHBS is divided into those based in entertainment establishments registered at the Social Hygiene Clinic and those who are based in cruising sites. However, as seen in Figure 2, there are RFSW who also does freelance sex work and FFSW who were interviewed during their freelancing but also work in entertainment establishments.

Fig 1. Distribution of FSW by age group & year

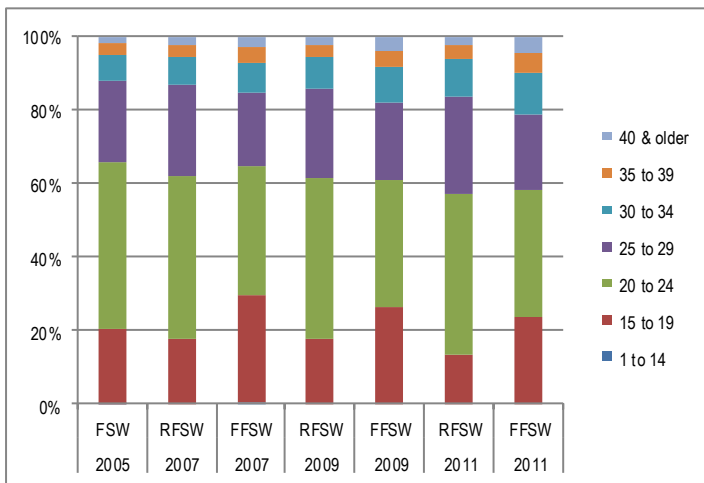


Fig 2. Percentage of FSW working in an entertainment establishment only, cruising site only, or both, 2011

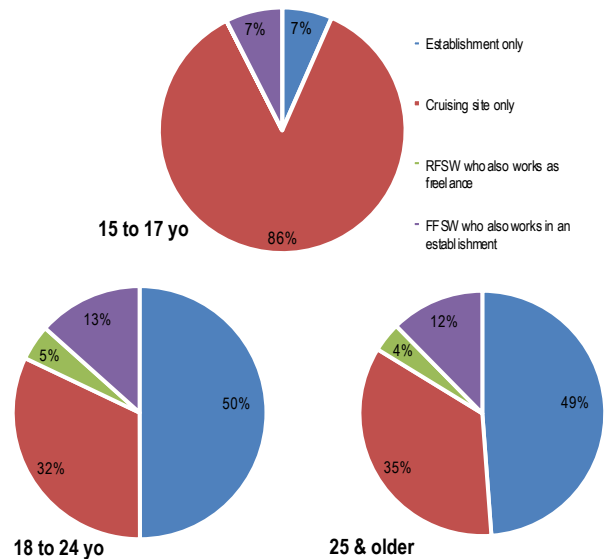
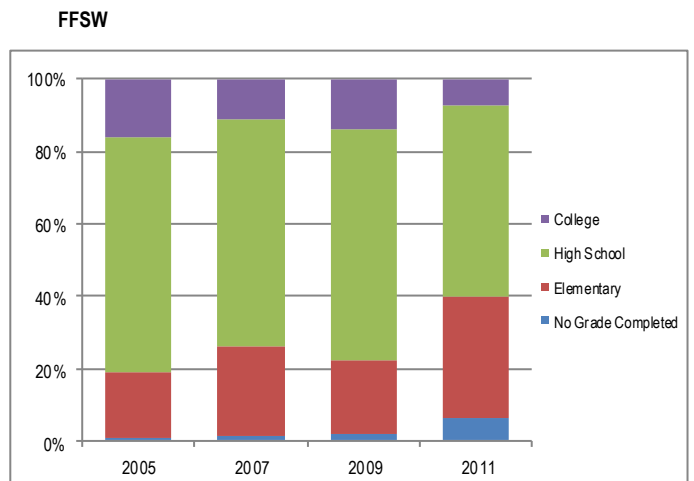
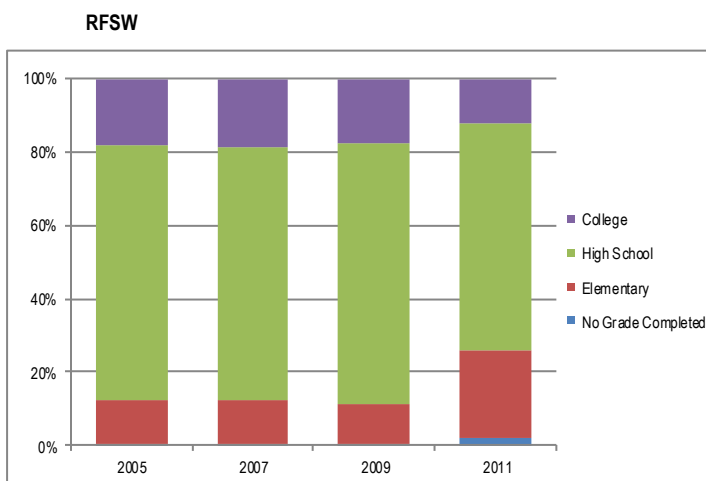


Fig 3. Distribution of FSW by educational attainment & year





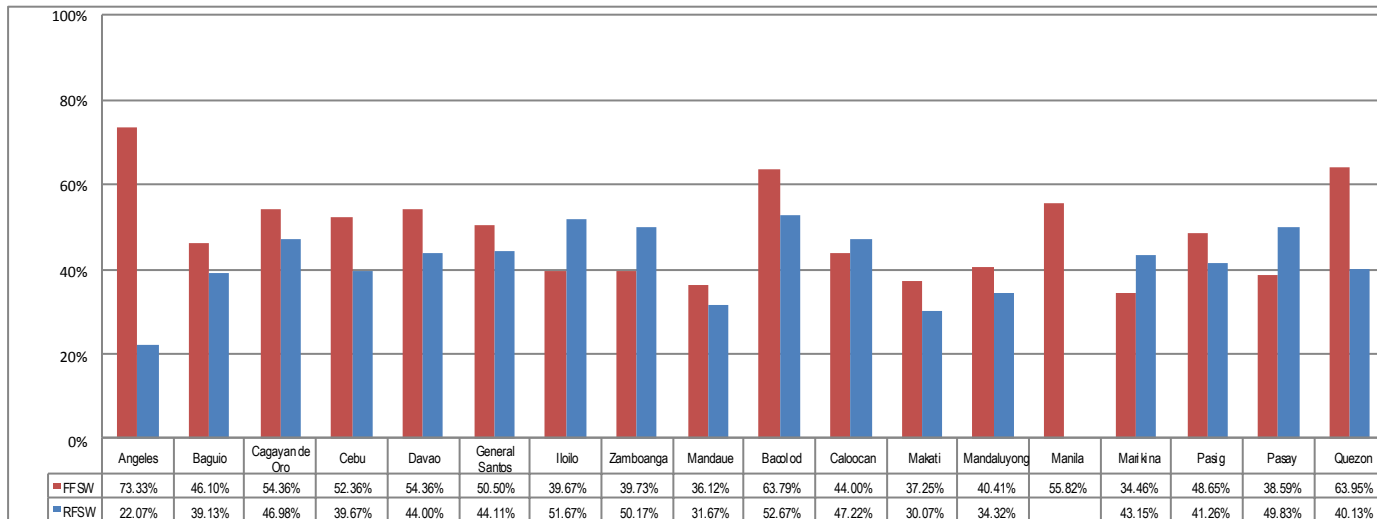
DEMOGRAPHIC PROFILE

Table 2. Civil Status

	2005	2007		2009		2011	
	Combined	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW
Single	83.00%	83.74%	82.18%	83.85%	79.23%	86.78%	79.87%
Married	8.20%	8.16%	9.03%	9.52%	11.02%	7.33%	12.47%
Separated/Widow	8.80%	8.10%	8.79%	6.63%	9.75%	5.89%	7.66%

\*2011: Manila did not conduct Registered female sex workers surveillance.

Figure 4. Percentage living with a partner by site, 2011



\*2011: Manila did not conduct Registered female sex workers surveillance.

Figure 5. Percentage of FSWs Living with a Partner by Age Group, 2011

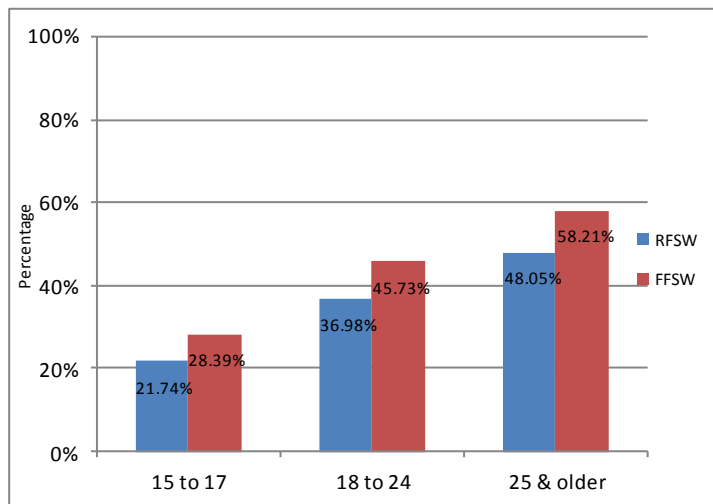
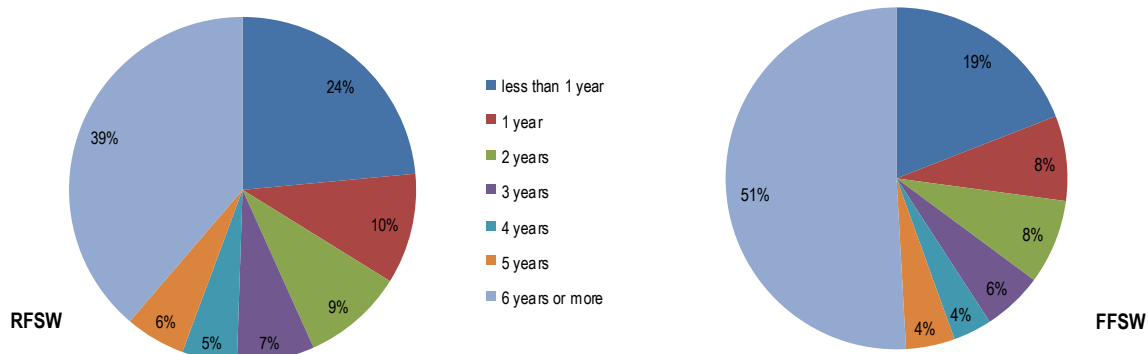


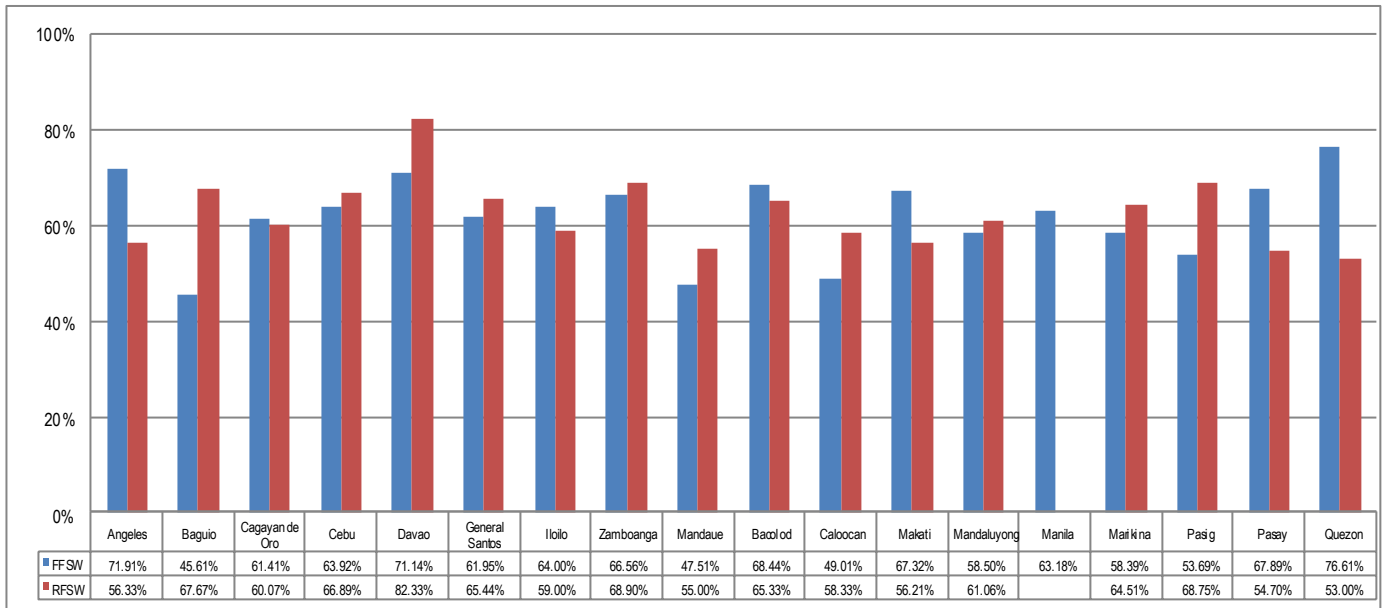
Fig 6. Number of years FSW has been living in the city, 2011





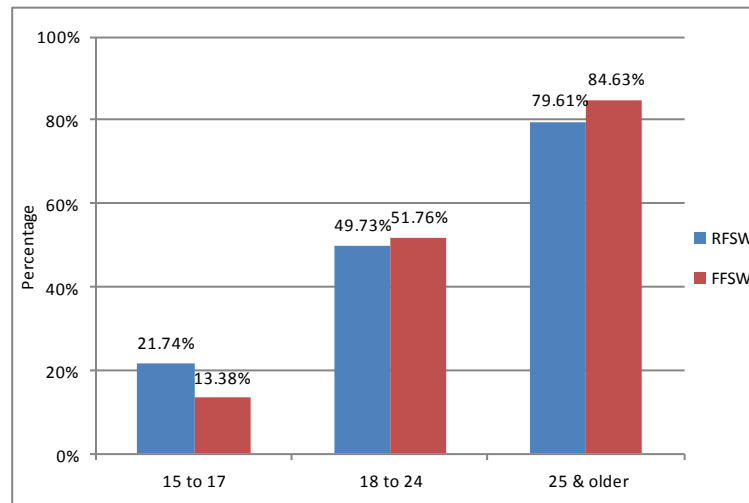
DEMOGRAPHIC PROFILE

Fig 7. Percentage of FSW with Children by site, 2011



\*2011: Manila did not conduct Registered female sex workers surveillance.

Fig 8. Percentage of FSW with Children by Age Group, 2011





KNOWLEDGE OF HIV

Fig 9. Percentage of RFSW who answered HIV knowledge questions correctly by age group

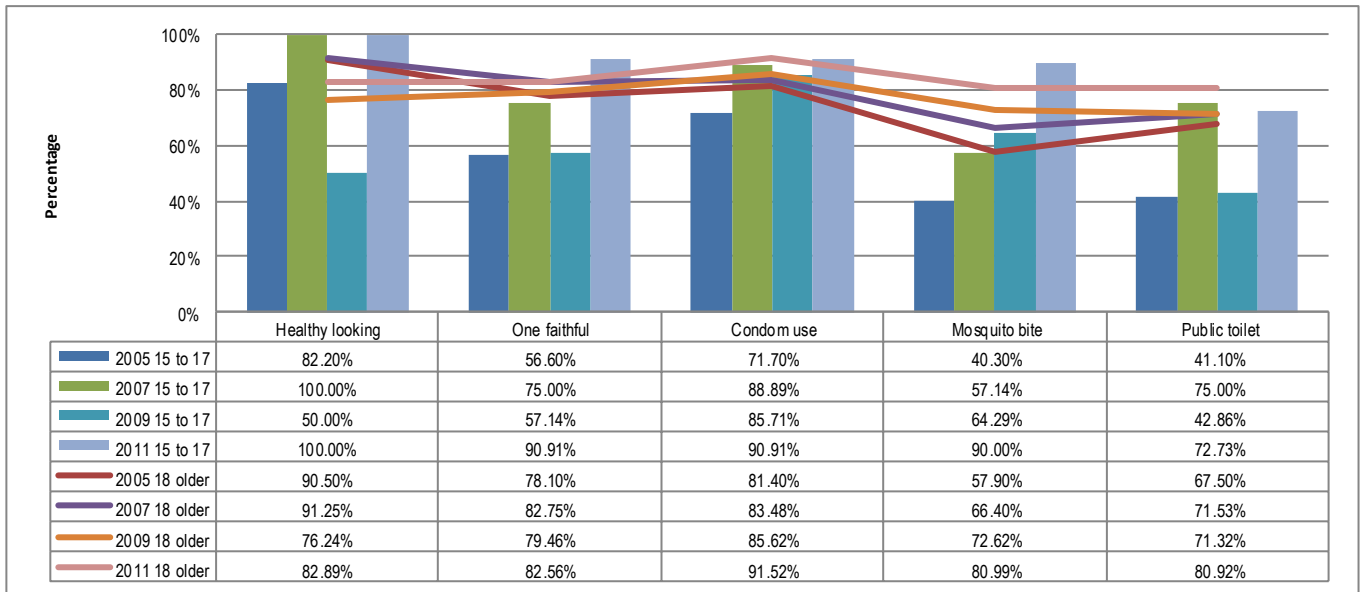


Fig 10. Percentage of FFSW who answered HIV knowledge questions correctly by age group

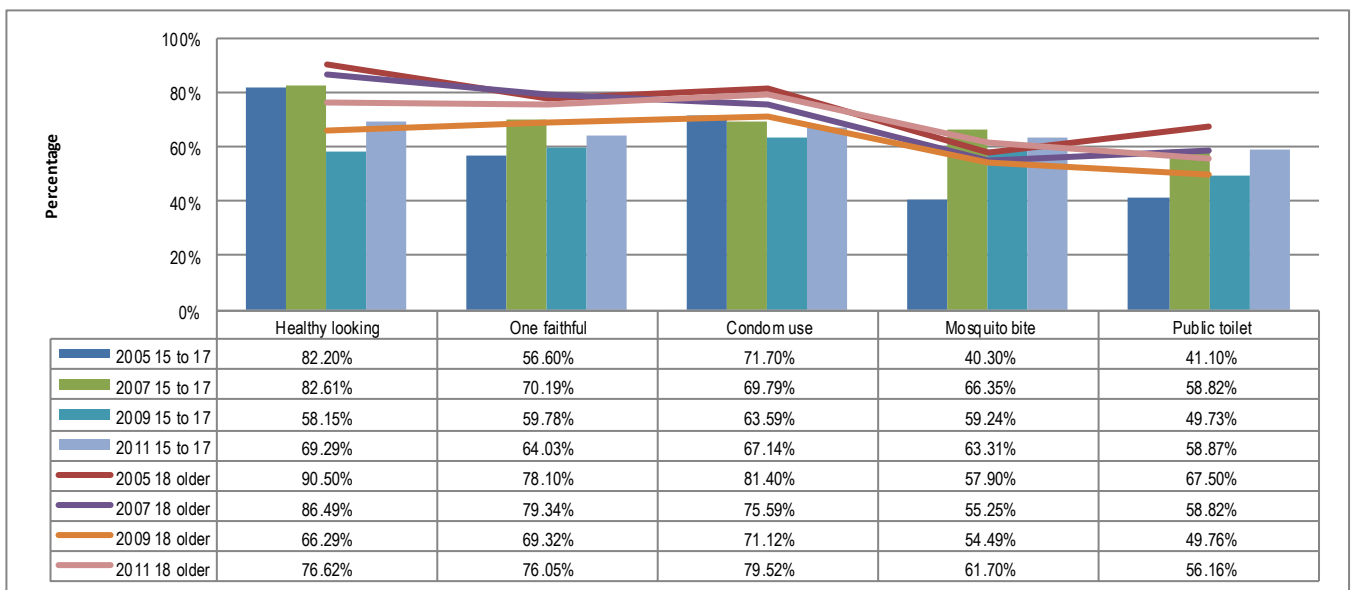
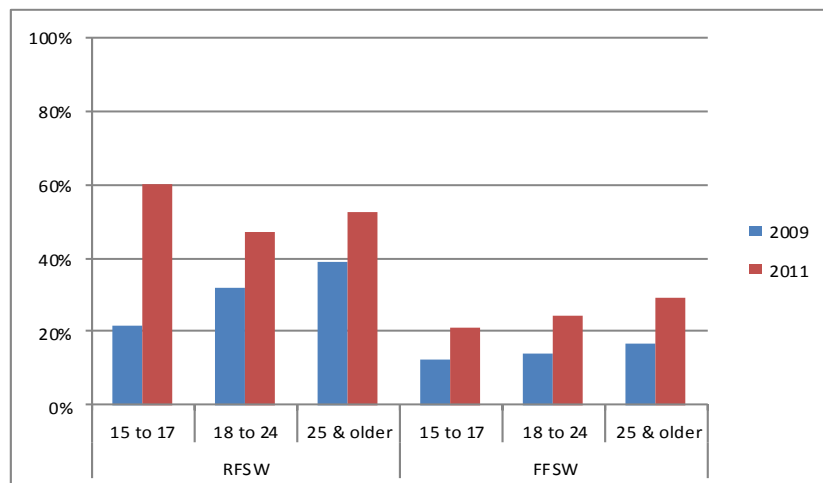


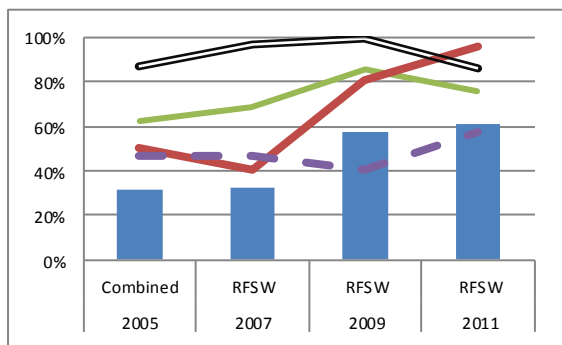
Fig 11. Percentage who answered all 5 HIV knowledge questions correctly by age group , 2009 & 2011





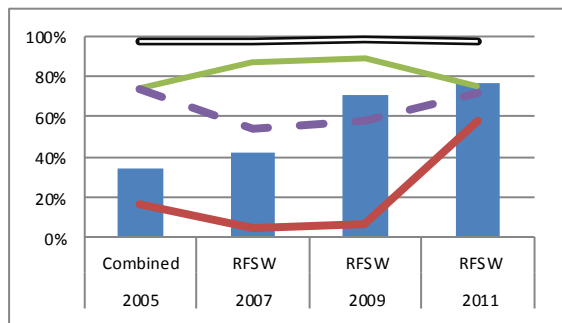
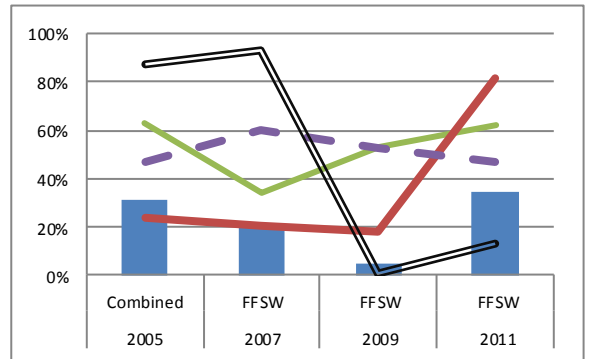
KNOWLEDGE OF HIV

Fig 12. Percentage who answered all 5 HIV knowledge questions correctly, used a condom last sex with client, knows her HIV status, feels at risk and had a vaginal smear at the SHC in selected sites by year



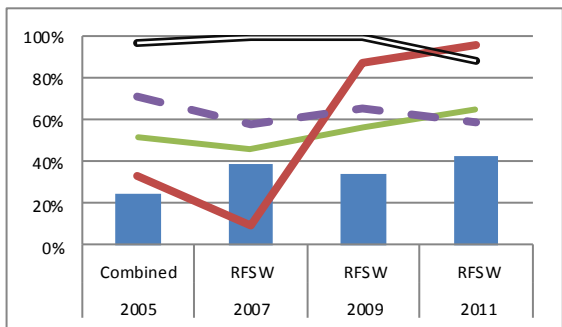
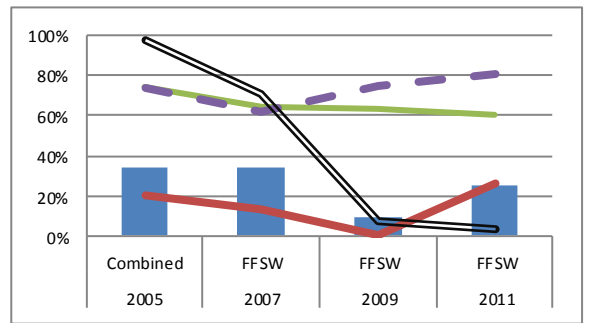
Zamboanga

- all correct
- condom use
- know status
- feels at risk
- vag smear



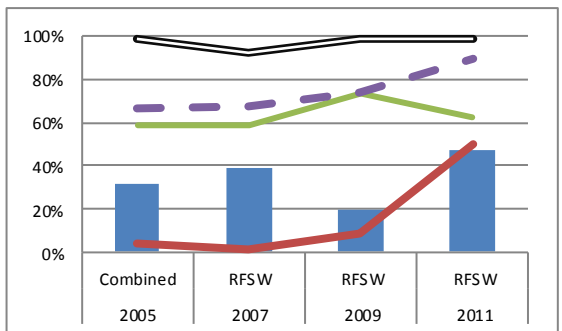
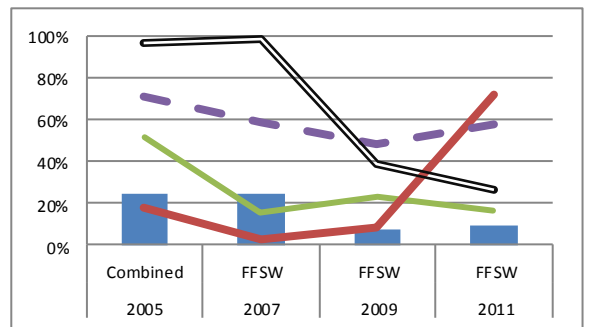
Angeles

- all correct
- condom use
- know status
- feels at risk
- vag smear



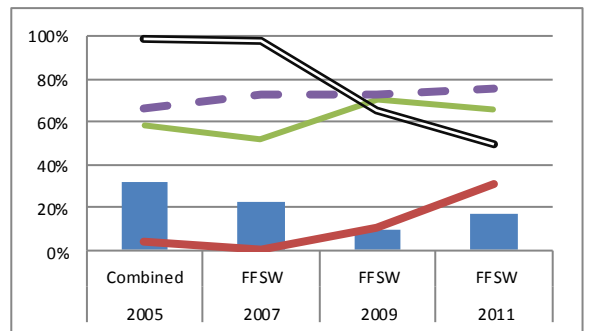
Baguio

- all correct
- condom use
- know status
- feels at risk
- vag smear



Cagayan de Oro

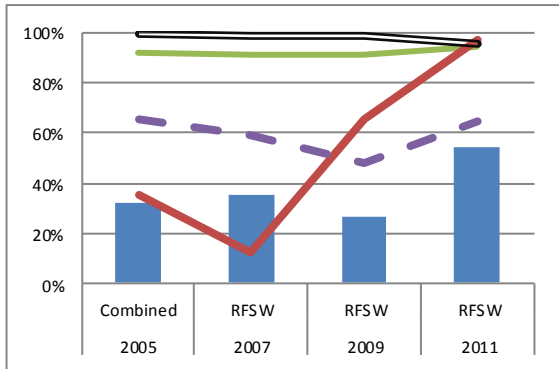
- all correct
- condom use
- know status
- feels at risk
- vag smear



Legend: All correct: All 5 HIV knowledge questions answered correctly. Condom use: Used a condom during last sex w client. Know status: Has had an HIV test and know the results. Vag smear: Had a vaginal smear at the Social Hygiene Clinic in the past one month. Feels at risk: Feels he is at risk to get infected with HIV.

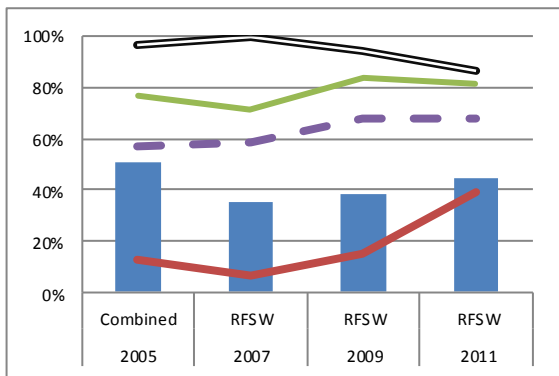
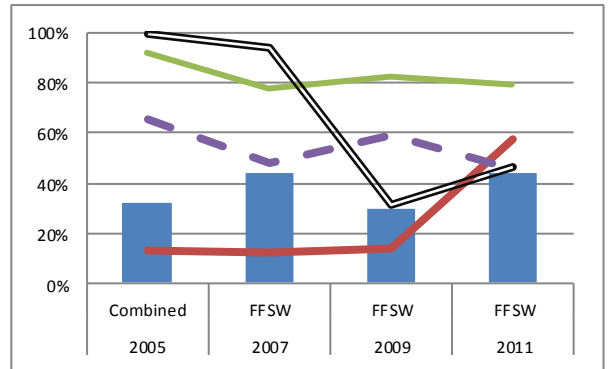


KNOWLEDGE OF HIV



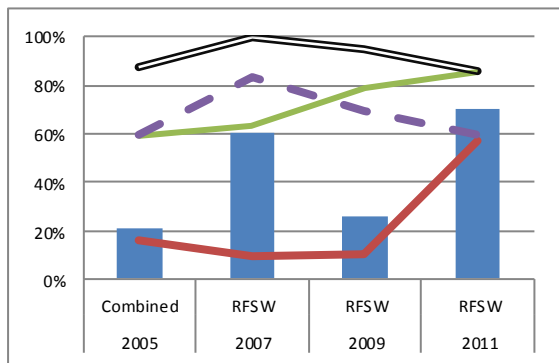
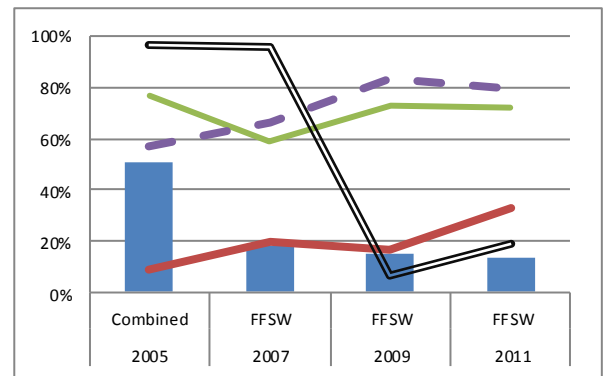
Cebu

- all correct
- condom use
- know status
- feels at risk
- vag smear



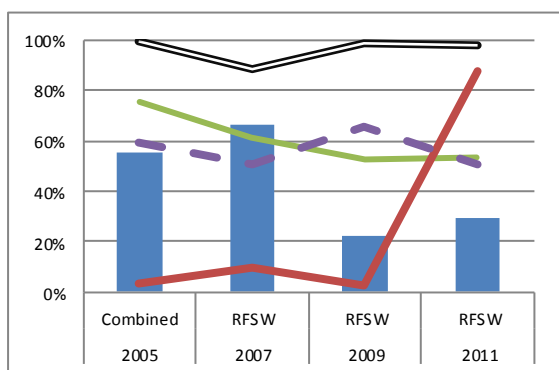
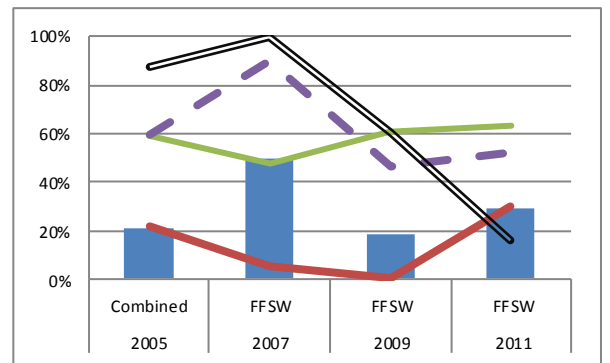
Davao

- all correct
- condom use
- know status
- feels at risk
- vag smear



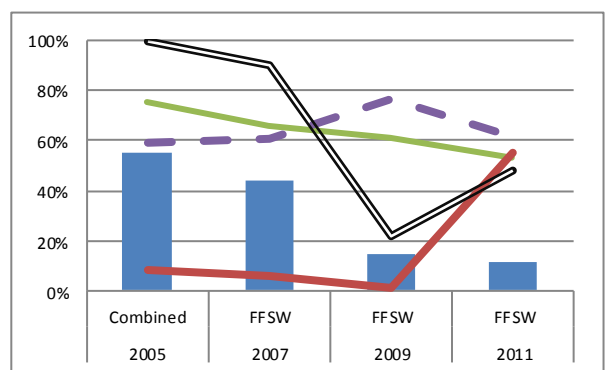
General Santos

- all correct
- condom use
- know status
- feels at risk
- vag smear



Iloilo

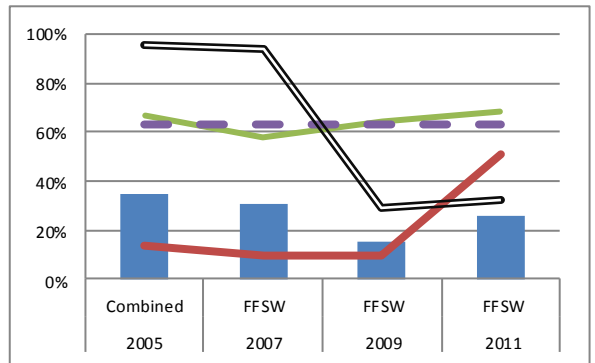
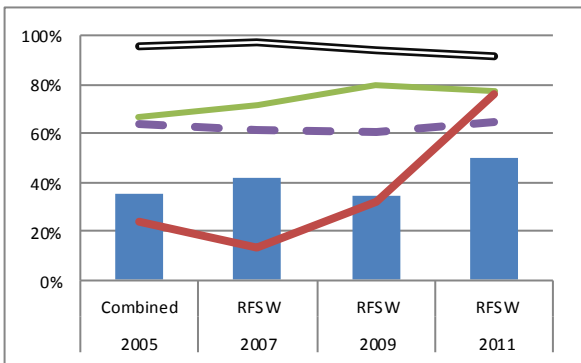
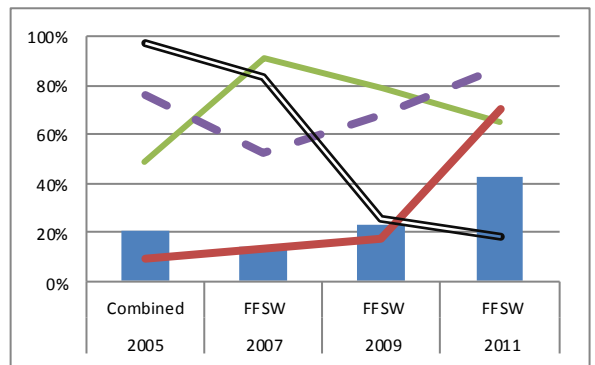
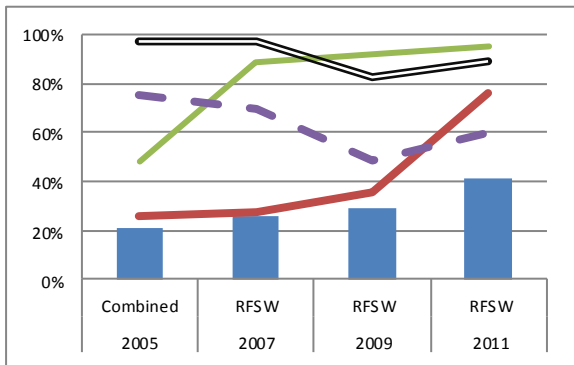
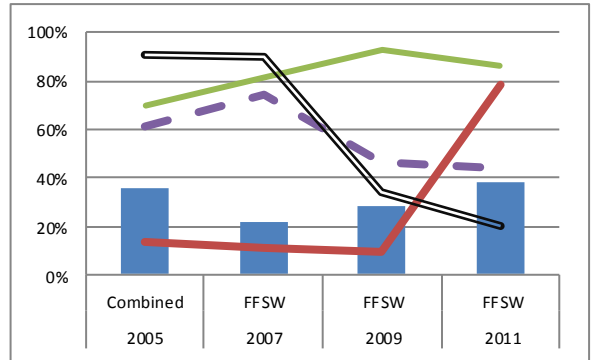
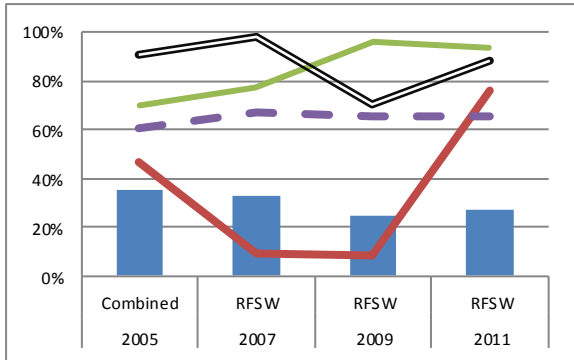
- all correct
- condom use
- know status
- feels at risk
- vag smear







KNOWLEDGE OF HIV

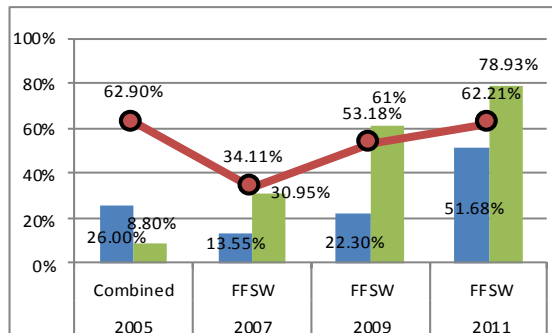
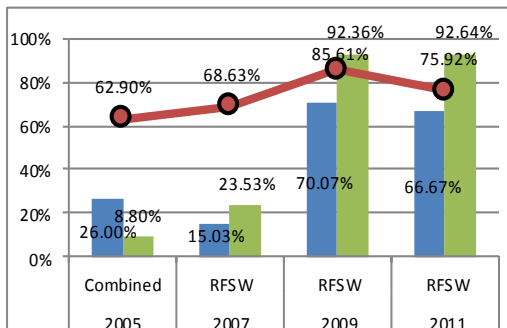




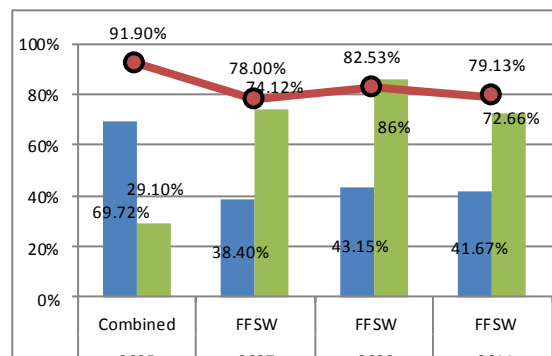
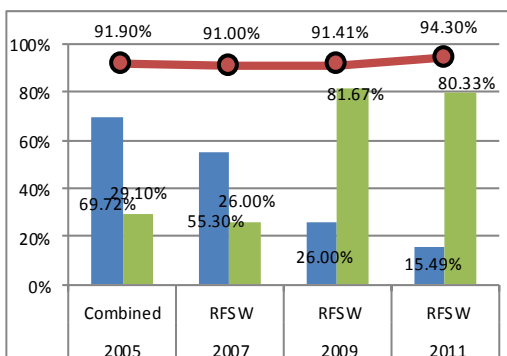
RISK BEHAVIOR

Fig 13. Percentage of FSW who had a condom, condom use during sex with last client, & received a free condom from SHC/NGO at selected sites by year

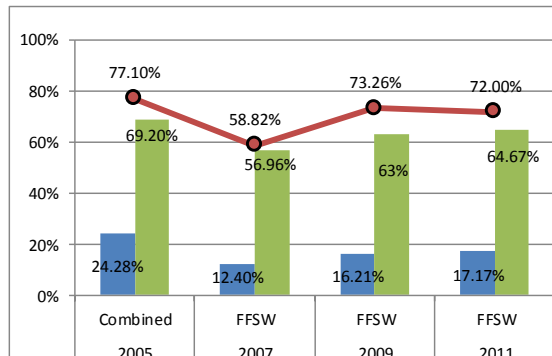
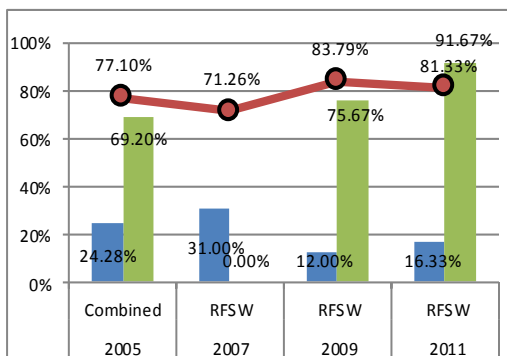
Zamboanga



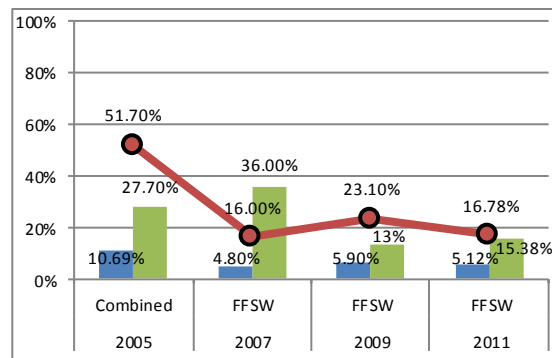
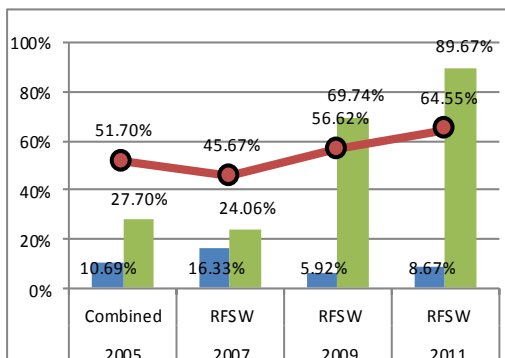
Cebu



Davao



Baguio

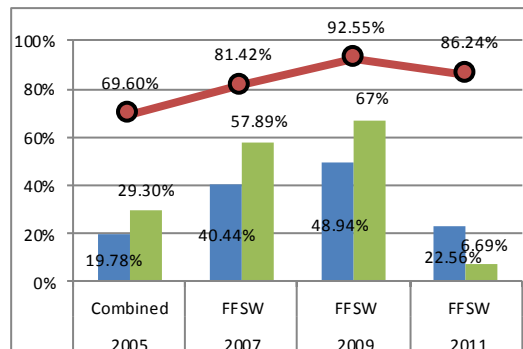
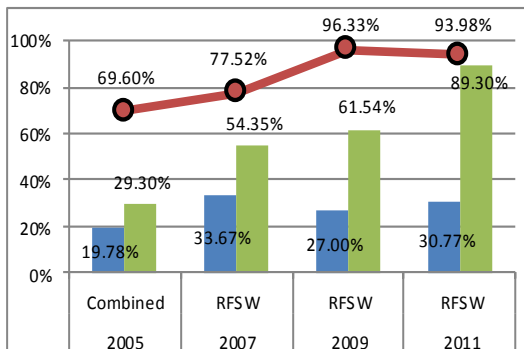


Legend: Had a condom: Brings a condom during interview. Condom use: Used a condom during last sex with client. Rcv condom: 2009: Received a free condom from NGO or organization. 2011: Received a free condom from SHC & NGO in the past 12 months.

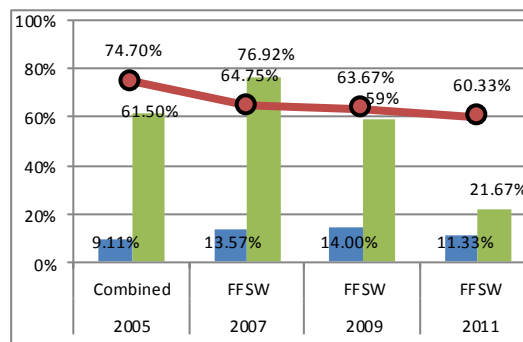
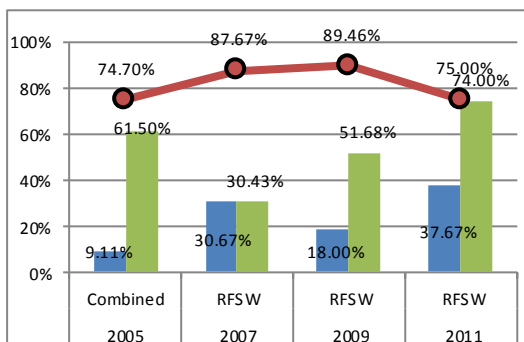


RISK BEHAVIOR

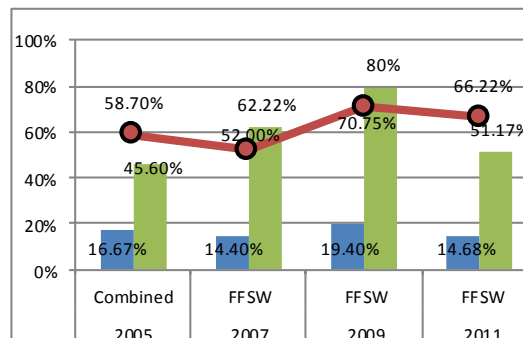
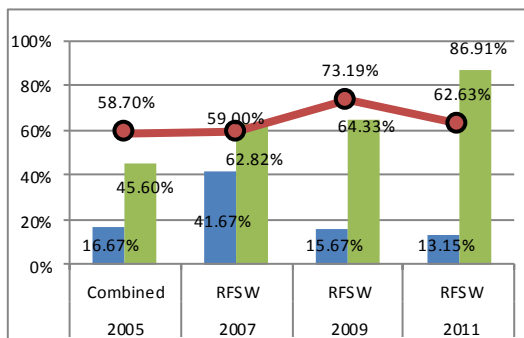
Pasay



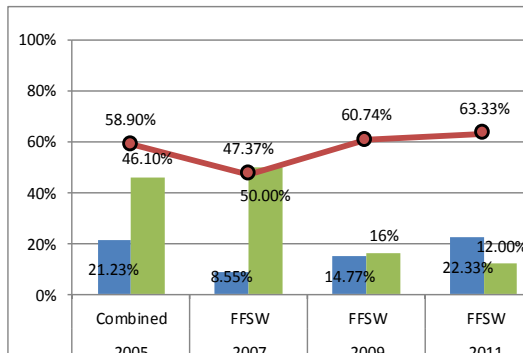
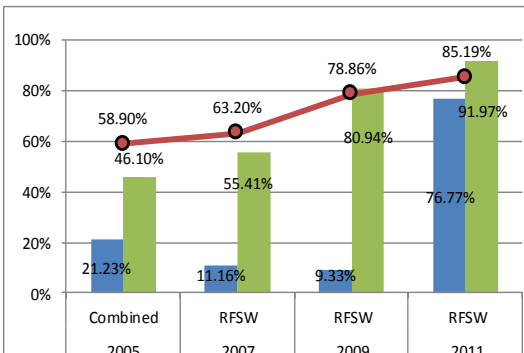
Angeles



Cagayan de Oro



General Santos

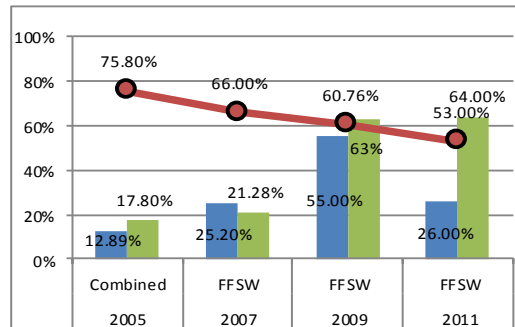
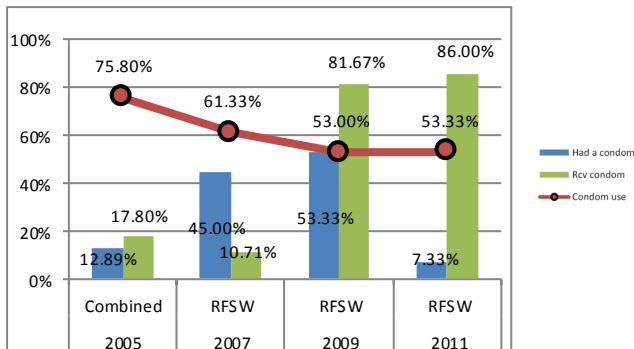


Legend: Had a condom: Brings a condom during interview. Condom use: Used a condom during last sex with client. Rcv condom: 2009: Received a free condom from NGO or organization. 2011: Received a free condom from SHC & NGO in the past 12 months.

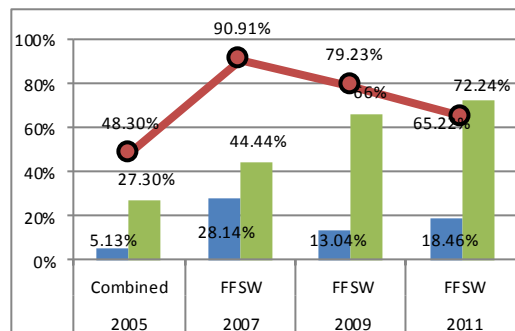
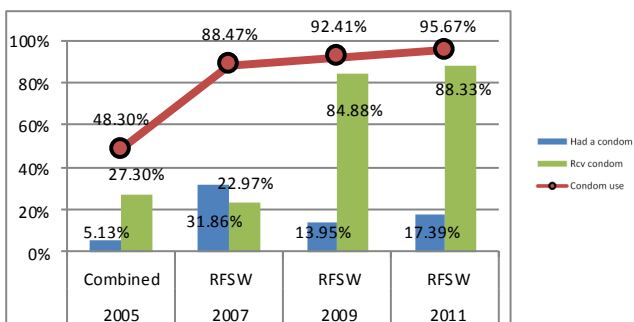


RISK BEHAVIOR

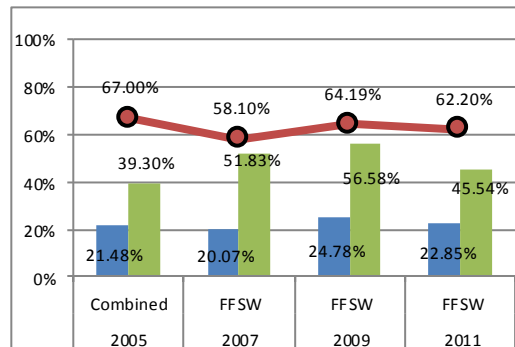
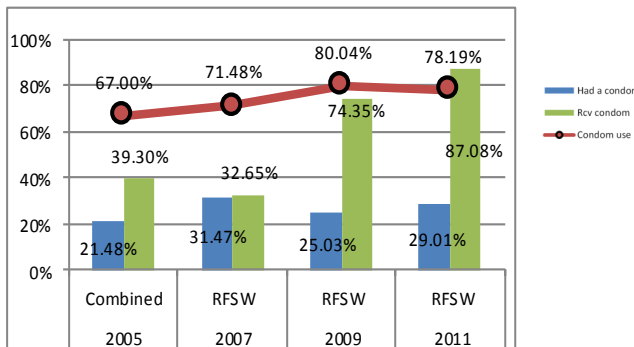
Iloilo



Quezon

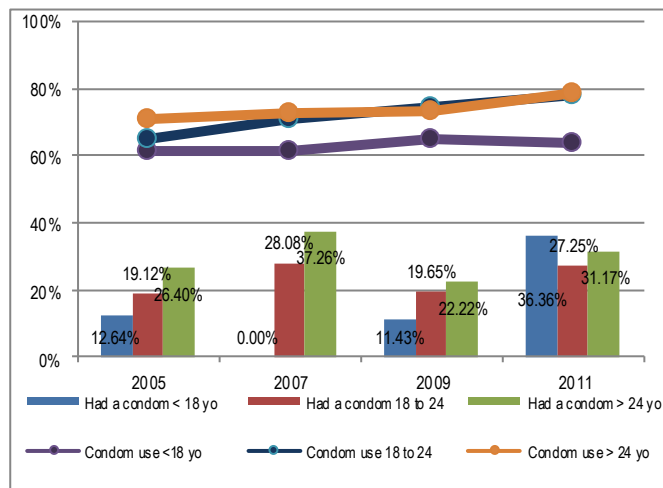
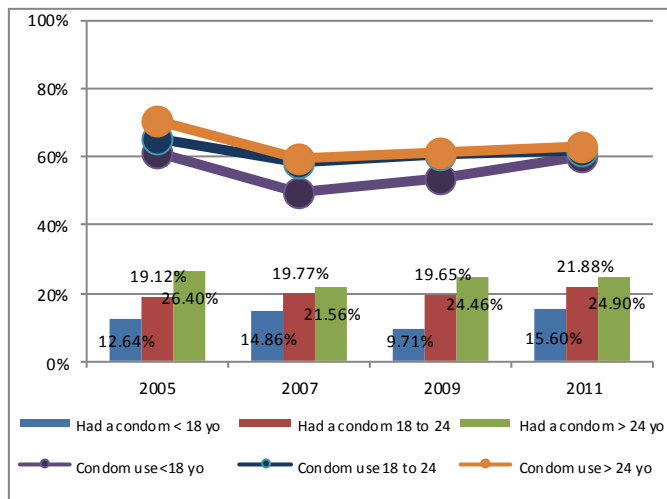


All Sites



Legend: Had a condom: Brings a condom during interview. Condom use: Used a condom during last sex with client. Rcv condom: 2009: Received a free condom from NGO or organization. 2011: Received a free condom from SHC & NGO in the past 12 months.

Fig 14. Percentage of FSW who had a condom & condom use during sex with last client by age group & year



2011: Angeles, Baguio, Cebu, Cagayan de Oro, Davao, General Santos, Iloilo, Zamboanga, Pasay, Quezon

2011: Angeles, Baguio, Cebu, Cagayan de Oro, Davao, General Santos, Iloilo, Zamboanga, Pasay, Quezon

FFSW

RFSW

RISK BEHAVIOR

Fig 15. Condoms use of RFSW during last sex with client and last sex with client under the influence of alcohol. 2011

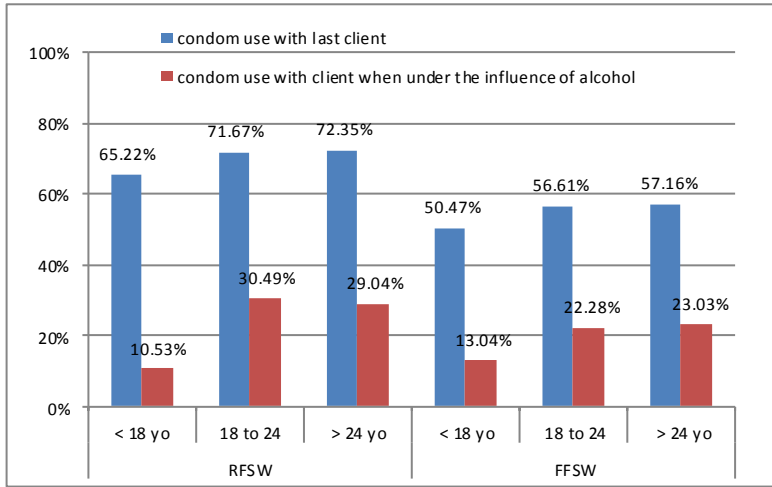
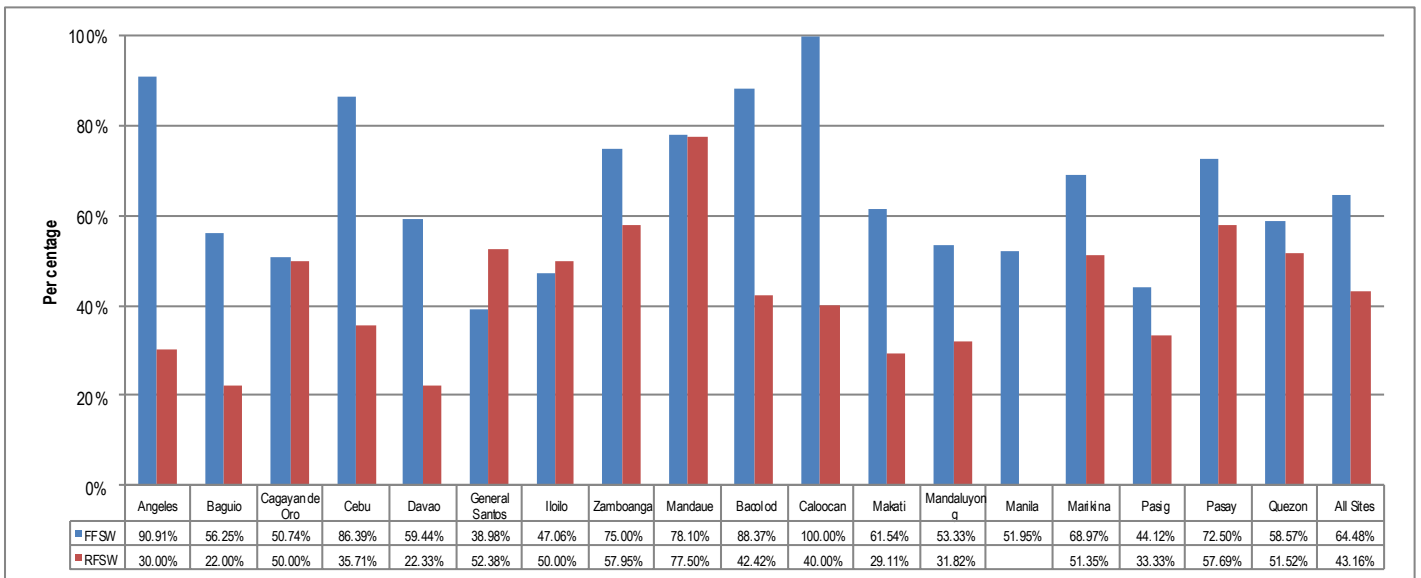


Table 3. Sites with FSW who inject drugs, 2011

Site	FFSW	RFSW
Angeles	0	0
Baguio	0	0
Cagayan de Oro	1	0
Cebu	23	0
Davao	4	0
General Santos	0	0
Iloilo	3	0
Zamboanga	1	0
Mandaue	2	0
Bacolod	0	0
Caloocan	0	0
Makati	0	0
Mandaluyong	0	0
Manila	1	0
Marikina	0	0
Pasig	1	0
Pasay	0	0
Quezon	0	0
All Sites	36 (4.03%)	0

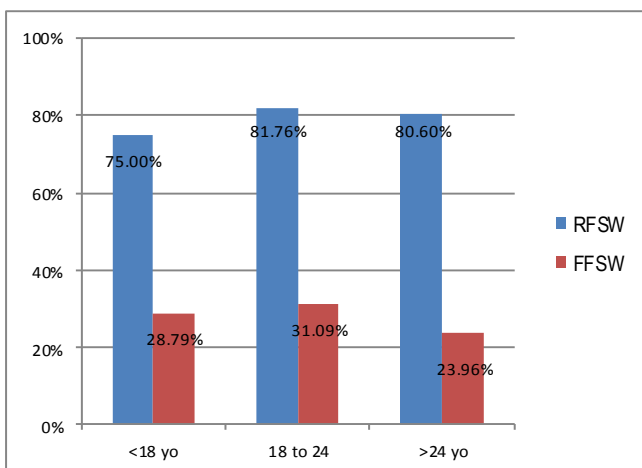
Fig 16. Percentage of FSW using drugs, 2011



\*2011: Manila did not conduct Registered female sex workers surveillance.

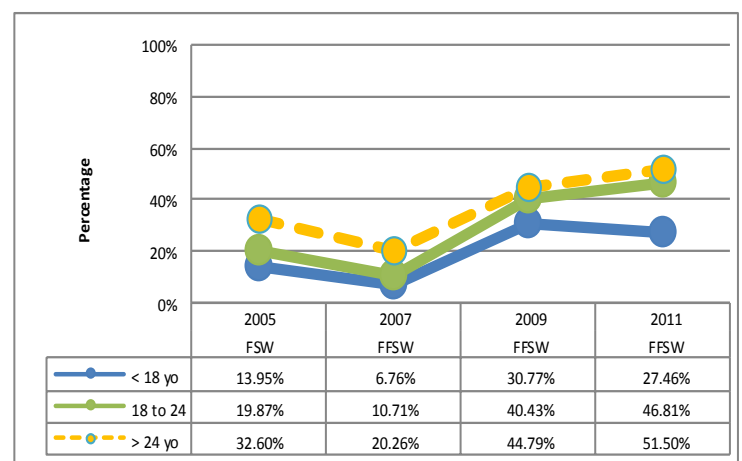
INTERVENTION

Fig 17. Percentage of FSW who got a vaginal smear in the past month, 2011



2011: Angeles, Baguio, Cebu, Cagayan de Oro, Davao, General Santos, Iloilo, Zamboanga, Pasay, Quezon

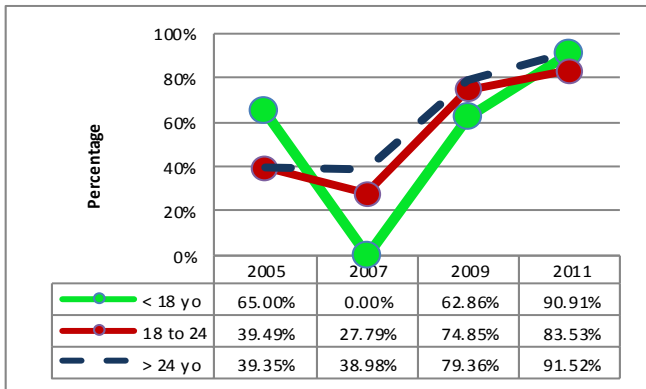
Fig 18. Percentage of FFSW who availed of SHC services



2005, 2007, 2009 & 2011: Angeles, Baguio, Cebu, Cagayan de Oro, Davao, General Santos, Iloilo, Zamboanga, Pasay, Quezon

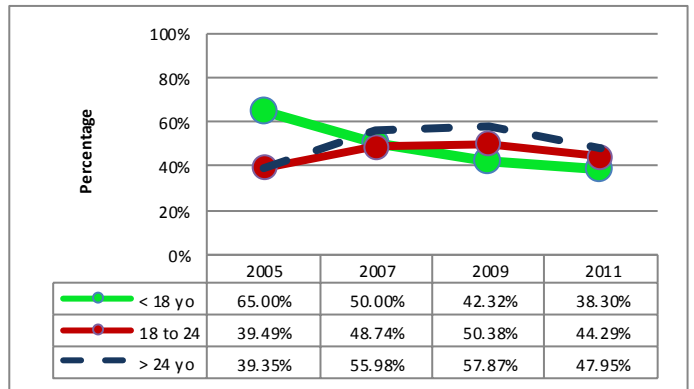
INTERVENTION

Fig 19. Percentage of RFSW who received a free condom by age group & year



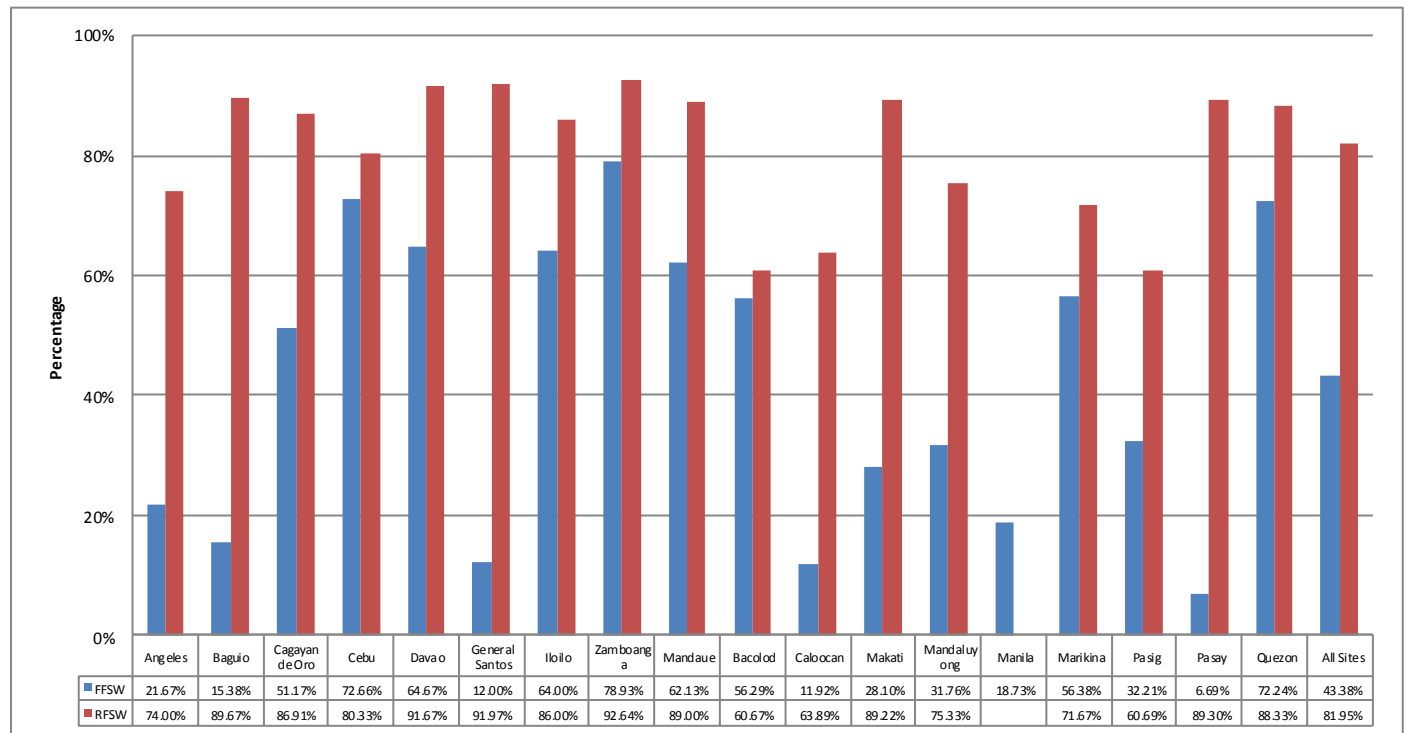
2005, 2007, 2009 & 2011: Angeles, Baguio, Cebu, Cagayan de Oro, Davao, General Santos, Iloilo, Zamboanga, Pasay, Quezon  
 2009: Received a free condom from a person/organization.  
 2011: Received a free condom from NGO & SHC in the past 12 months.

Fig 20. Percentage of FFSW who received a free condom by age group & year



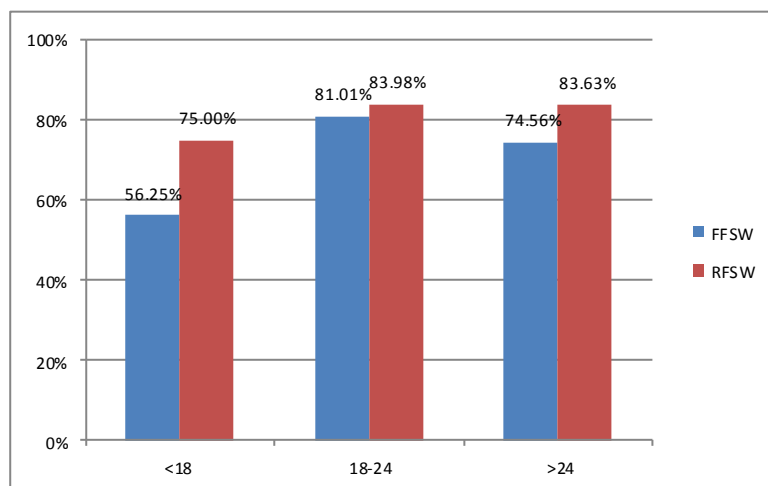
2005, 2007, 2009 & 2011: Angeles, Baguio, Cebu, Cagayan de Oro, Davao, General Santos, Iloilo, Zamboanga, Pasay, Quezon  
 2009: Received a free condom from a person/organization.  
 2011: Received a free condom from NGO & SHC in the past 12 months.

Fig 21. Percentage who received a free condom by site, 2011



\*2011: Manila did not conduct Registered female sex workers surveillance.

Fig 22. Percentage who had their last HIV test at the SHC by age group, 2011

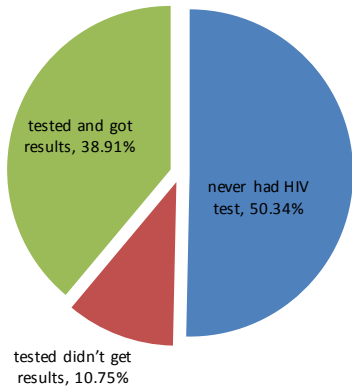




INTERVENTION

Fig 23. Percentage ever tested for HIV & know their HIV status, 2011

RFSW



FFSW

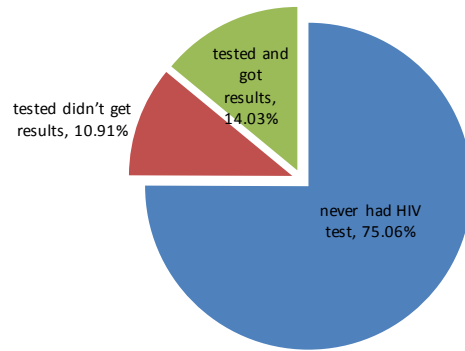
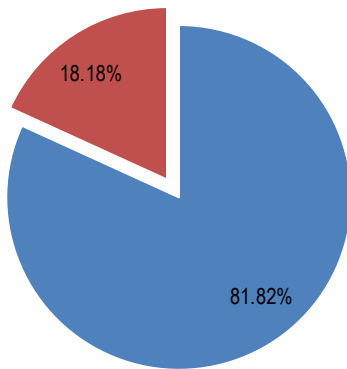


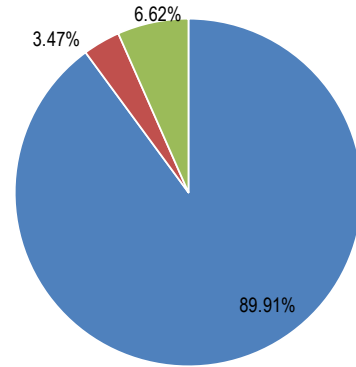
Fig 24. Percentage ever tested for HIV & know their HIV status by Age Group, 2011

RFSW



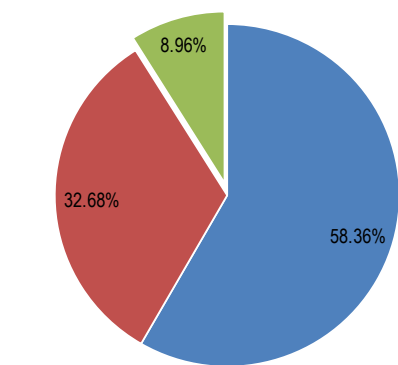
15 to 17 yo

FFSW

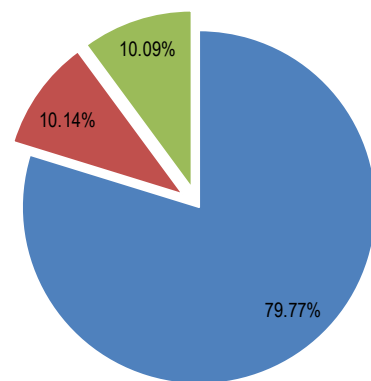


15 to 17 yo

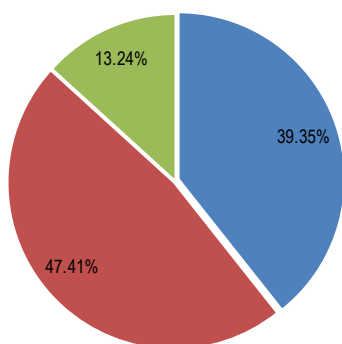
- never had HIV test
- tested, know their status
- tested, didn't get results



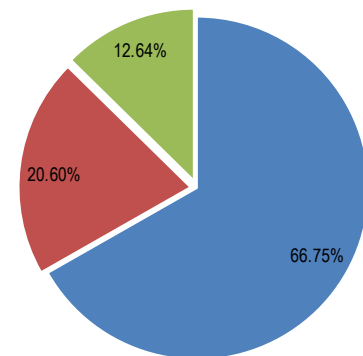
18 to 24 yo



18 to 24 yo



25 & older



25 & older



PREVALENCE

Table 4. Syphilis & HIV Prevalence, 2011

Site	RFSW Syphilis Prevalence (%)	RFSW HIV Prevalence (%)	FFSW Syphilis Prevalence (%)	FFSW HIV Prevalence (%)
Angeles	0.00	0.33	3.00	0.00
Baguio	0.00	0.00	0.00	0.00
Cagayan de Oro	0.70	0.00	1.33	0.67
Cebu	0.70	0.00	6.25	5.47
Davao	0.00	0.00	0.33	0.00
General Santos	0.00	0.00	1.67	0.33
Iloilo	0.33	0.33	4.67	0.33
Zamboanga	0.00	0.00	2.67	0.33
Mandaue	0.30	0.00	1.99	0.00
Bacolod	0.30	0.00	2.96	0.00
Caloocan	0.30	0.00	0.66	0.00
Makati	1.00	0.33	0.00	0.00
Mandaluyong	0.30	0.00	0.66	0.00
Manila	-	-	2.00	0.00
Marikina	0.33	0.33	1.32	0.00
Pasig	0.00	0.00	0.00	0.00
Pasay	0.30	0.33	0.33	0.00
Quezon	0.33	0.33	0.00	0.34

Fig 25. National HIV Prevalence of FSW, 2005-2011

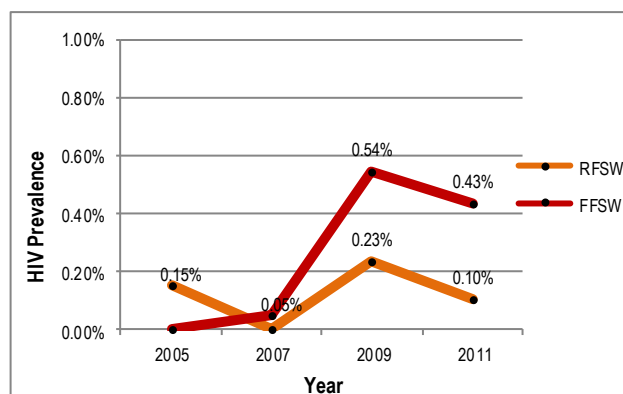


Table 5. Characteristics of sero-negative and sero-positive respondents in selected sites, 2011

	RFSW		FFSW	
	Syphilis Negative	Syphilis Positive	Syphilis Negative	Syphilis Positive
Respondents (N)	3,569	18	3620	83
Age range (Median)	16-54 (24)	18-35 (22)	15-58 (23)	19-50(30)
15-17 years old	0.50%	0.00%	7.62%	0.00%
18-24 years old	56.77%	55.56%	51.52%	16.87%
>25 years old	42.73%	44.44%	40.86	83.13%
Educational Attainment: High School	62.52%	44.44%	49.20%	30.12%
Civil Status: Married	7.46%	5.88%	11.76%	13.25%
Living with a partner	42.89%	44.44%	49.08%	64.63%
Knowledge: All correct	48.95%	61.11%	23.58%	20.48%
Feels at risk to get HIV	56.52%	61.11%	62.97%	67.07%
Number of male clients in a month (mean)	1-80 (6)	1-8 (3)	1-90(12)	1-60(12)
Used a condom with last client	70.79%	77.78%	59.19%	67.07%
Has a condom during time of interview	24.20%	27.78%	22.45%	14.63%
Had a vaginal smear in the past month	78.22%	73.33%	28.70%	22.00%
Has had an HIV test and know the results	74.11%	77.78%	52.22%	40.54%
Received a free condom	81.45%	72.22%	43.95%	63.86%

\*RFSW Sites with syphilis positive respondents: Cebu, Cagayan de Oro, Davao, General Santos, Iloilo, Mandaue, Caloocan, Makati, Mandaluyong & Pasay only.

\*FFSW Sites with syphilis positive respondents: Angeles, Cebu, Cagayan de Oro, Davao, General Santos, Iloilo, Zamboanga, Mandaue, Bacolod, Caloocan, Mandaluyong, Manila, Marikina & Pasay only.



# **Men who have Sex with Men (MSM)**



# 2011 Integrated HIV Behavioral and Serologic Surveillance

## MALES WHO HAVE SEX WITH MALES

*IHBSS Inclusion Criteria: Born male, 15 years and older, who had sex, anal or oral, with another male in the past 12 months.*

### MSM SITES

**2005:** Angeles, Cebu, Davao, Gen Santos, Zamboanga, Iloilo

**2007:** Baguio, Cebu, Zamboanga, Metro Manila (taken as one sample)

**2009:** Angeles, Baguio, Cebu, Davao, Gen Santos, Zamboanga, Puerto Princesa, Puerto Galera, Santiago, Tuguegarao, Surigao, Butuan, Pasay, Quezon City, Makati, Marikina, Pasig, Mandaluyong, Manila, Caloocan

**2011:** Angeles, Baguio, Cagayan de Oro, Cebu, Davao, Gen Santos, Iloilo, Zamboanga, Mandaue, Bacolod, Pasay, Quezon City, Makati, Marikina, Pasig, Mandaluyong, Manila, Caloocan

## DEMOGRAPHIC PROFILE

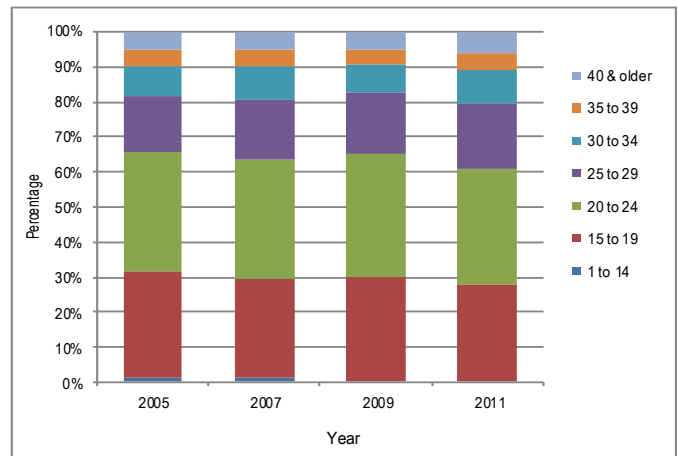
Table 1. Age profile

	2005	2007	2009	2011
Total Sample	1,673	1,059	4,372	5,353
Age Range (median)	13-67 (22)	13- 56 (22)	15-65 (22)	15-77 (23)
<18 years old	14.70%	11.71%	13.60%	12.76%
18 & older	85.30%	88.29%	86.40%	87.24%

The IHBSS uses Time Location Sampling and samples high risk MSM venues identified through key informants and mapping activities. In these venues, the majority of MSM are consistently between 15 to 23 years throughout the four surveillance years. The youngest respondent was 15 years old, the oldest was 77 years old.

It is recommended that the results of the IHBSS be generalized only to the MSM population that go to IHBSS venues.

Fig 1. Distribution of MSM by age group & year



In the four rounds of the IHBSS, majority of MSM respondents were able to finish high school or college. This level of educational attainment is higher compared to the other three populations most at-risk to HIV, namely female sex workers and injecting drug users.

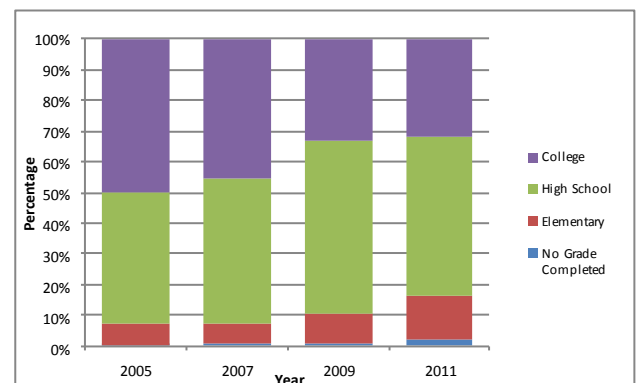
Table 2. Civil status (Nonrav sites only=2011)

	2005	2007	2009	2011
Single	93.2%	92%	93.2%	93.54%
Married	5.60%	6.90%	5.50%	5.62%
Separated/Widower	1.20%	1.10%	1.40%	0.85%

In all four rounds, 5-6 % of MSM are married to female partners as seen in Table 2.

Figure 3 on the other hand shows the percentage of MSM living with a sex partner. However, there is no available information on whether their live-in partner is a male or female. Of the sites, Pasay City had the highest percentage of MSM with live-in partners, followed by Mandaluyong and Baguio. General Santos had the least percentage among the sites.

Fig 2. Distribution of MSM by educational attainment & year



DEMOGRAPHIC PROFILE

Fig 3. Percentage living with a partner by site, 2011

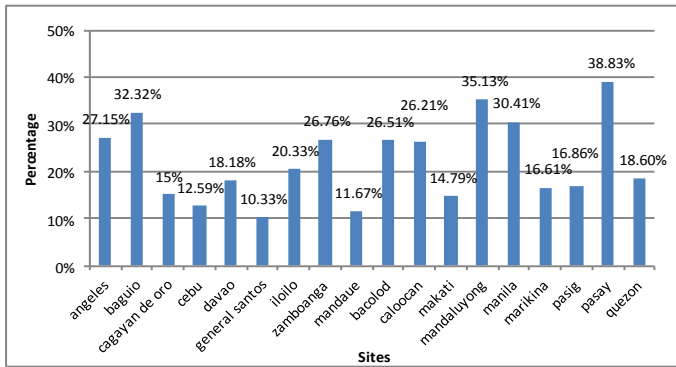
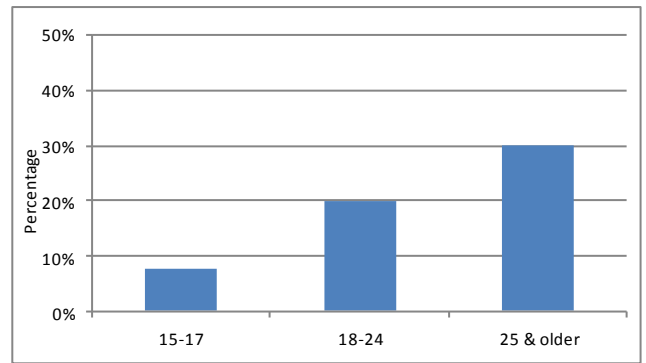


Fig 4. Percentage living with a partner by age group, 2011



KNOWLEDGE

Fig 5. Percentage who answered HIV knowledge questions correctly by age group, in selected sites

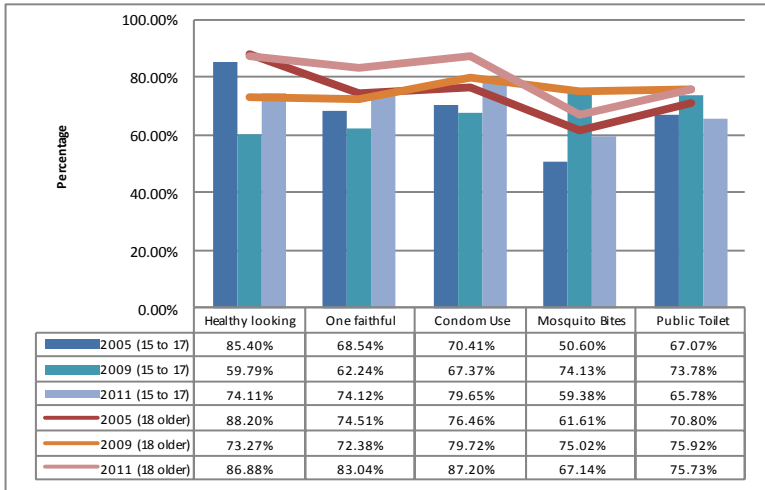
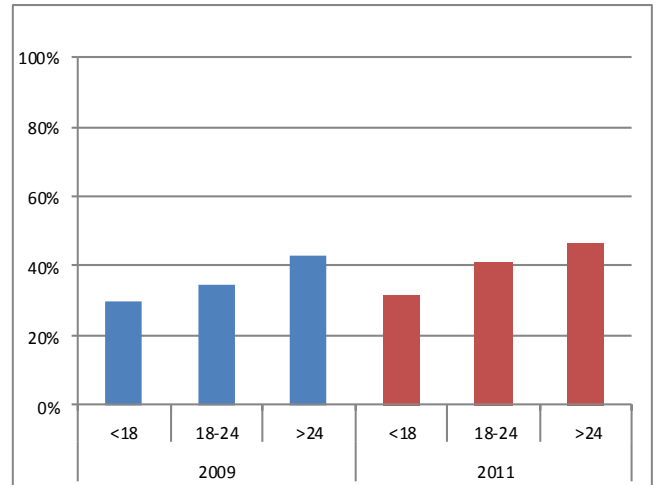


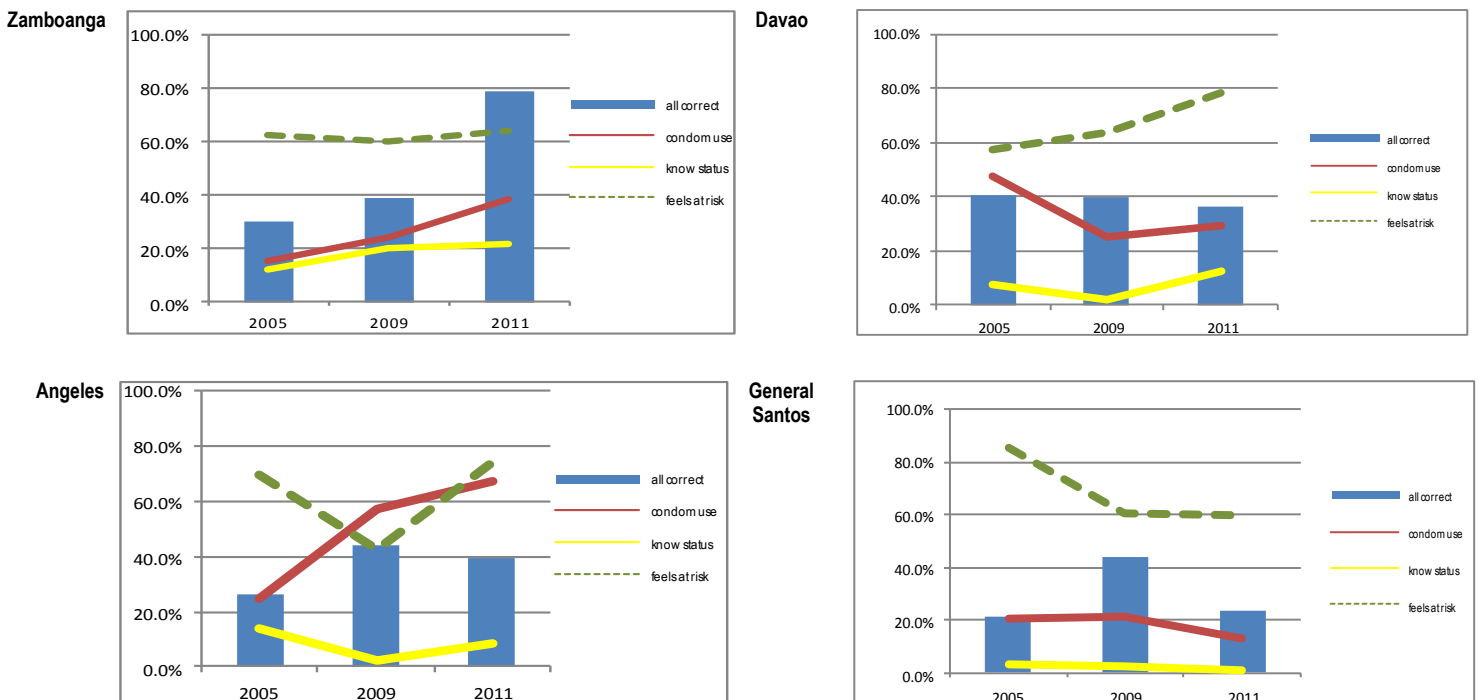
Fig 6. Percentage who answered all 5 HIV knowledge questions correctly by age group in selected sites, \*2009 & 2011.



\*selected sites for 2009 & 2011 analysis: Angeles, Baguio, Cebu, Davao, General Santos, Zamboanga, Pasay, Quezon

\*selected sites for 2009 & 2011 analysis: Angeles, Baguio, Cebu, Davao, General Santos, Zamboanga, Pasay, Quezon

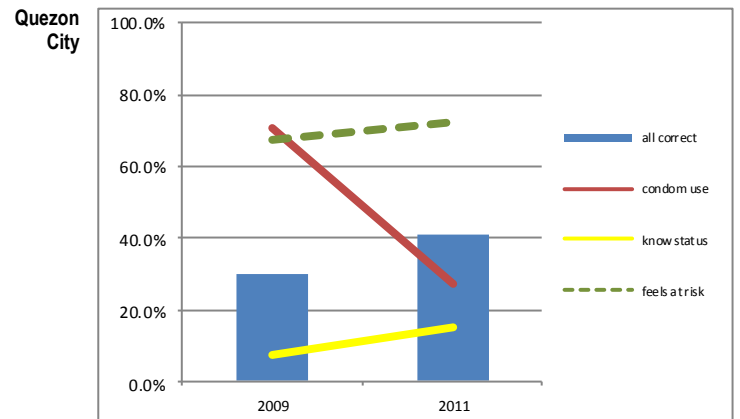
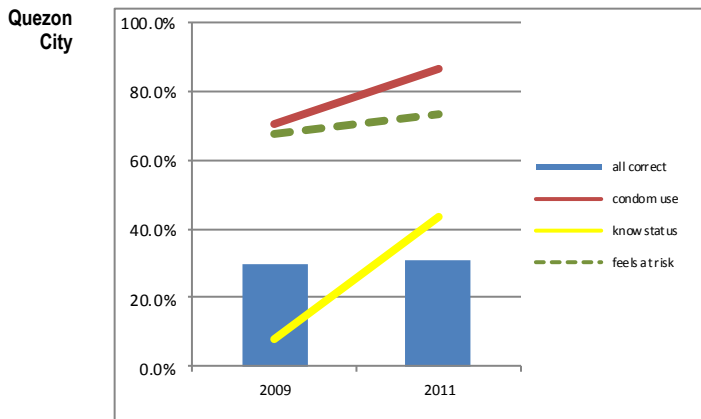
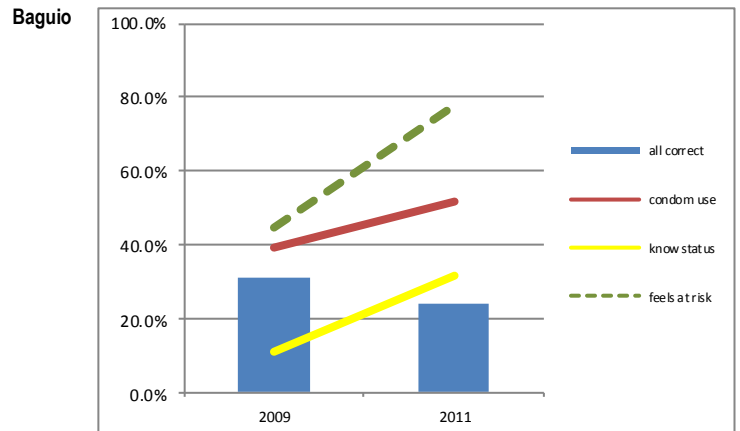
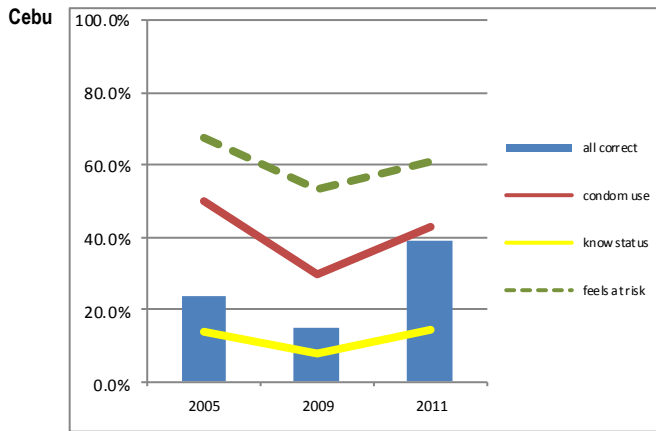
Fig 7. Percentage of MSM who answered all 5 HIV knowledge questions correctly, used a condom last anal sex, knows his HIV status, and feels at risk in selected sites by year



Legend: All correct: All 5 HIV knowledge questions answered correctly. Condom use: Used a condom during last anal sex. Know status: Has ever had an HIV test and know the results. Feels at risk: Feels he is at risk to get infected with HIV.

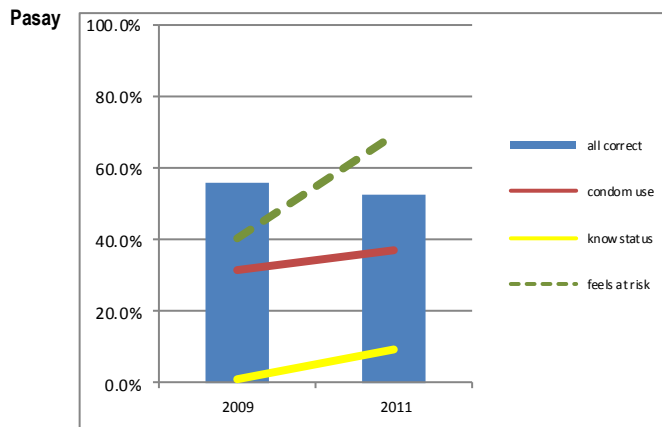


KNOWLEDGE



\*2009: Combined sample for MSM and Male Establishment workers (MEW).  
2011: separate sample for Male Sex Workers based on entertainment establishments.  
Male establishment workers only

\*2009: Combined sample for MSM and Male Establishment workers (MEW).  
2011: Makes who have Sex with Males not based in entertainment establishments.

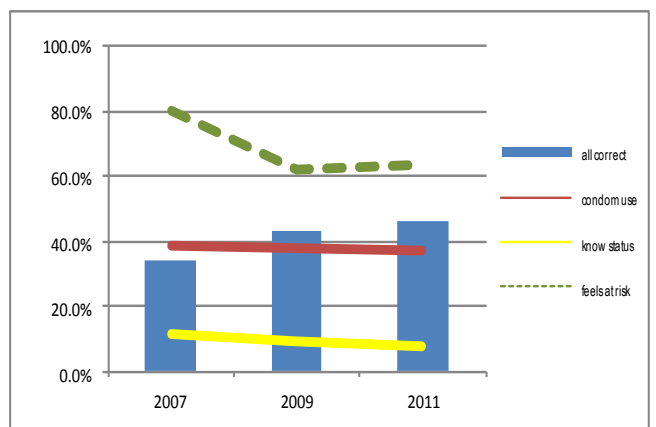


**NCR**

2007: Metro Manila ( taken as one sample)

2009: Pasay, Quezon City, Makati, Marikina, Pasig, Mandaluyong, Manila, Caloocan.

2011: Pasay, Quezon City, Makati, Marikina, Pasig, Mandaluyong, Manila, Caloocan



**Legend:**  
All correct: All 5 HIV knowledge questions answered correctly. Condom use: Used a condom during last anal sex. Know status: Has ever had an HIV test and know the results. Feels at risk: Feels he is at risk to get infected with HIV.

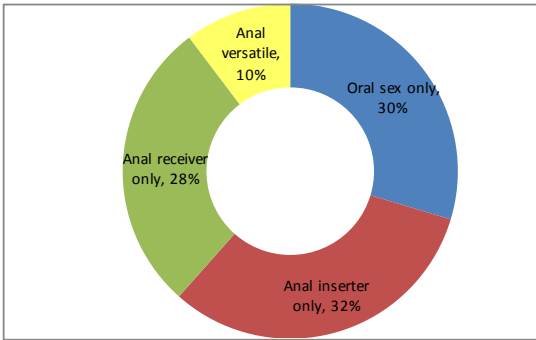


RISK BEHAVIOR

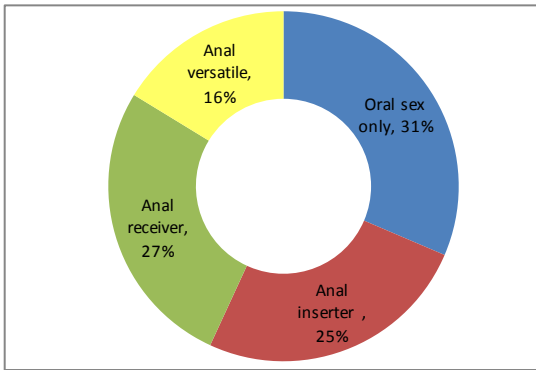
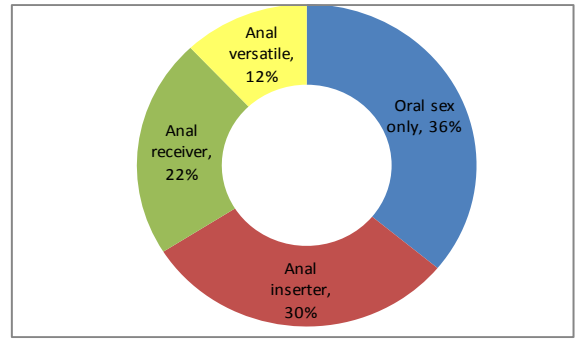
Fig 8. Type of sex acts practiced, 2009 & 2011

2009

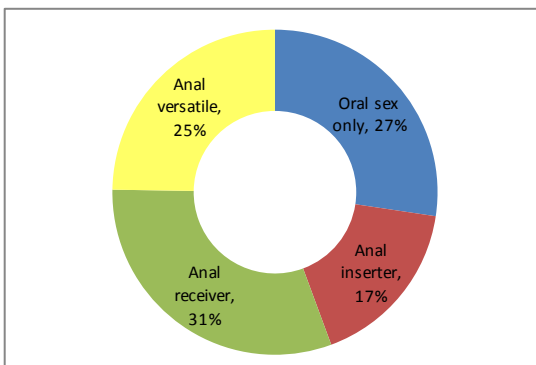
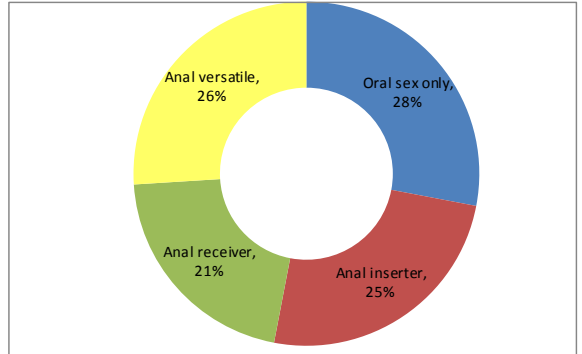
2011



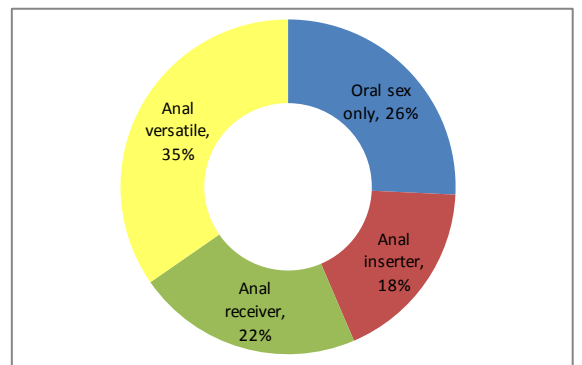
15 to 17



18 to 24

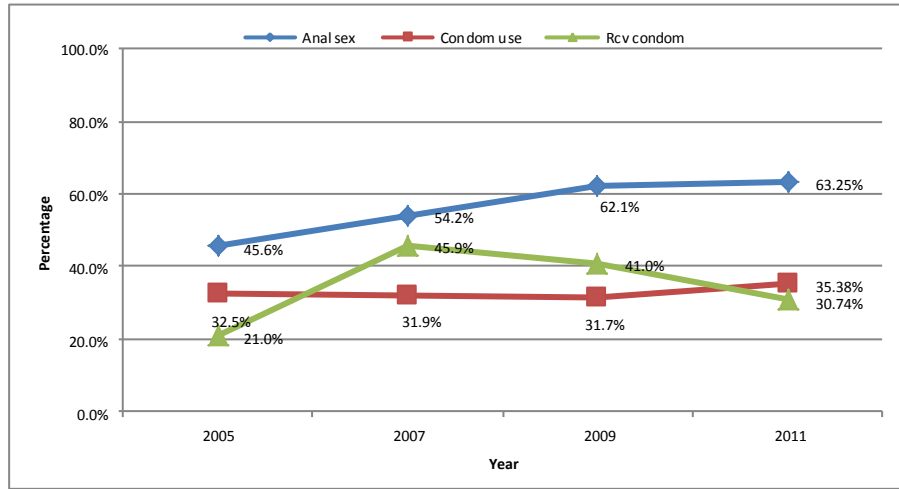


25 & older



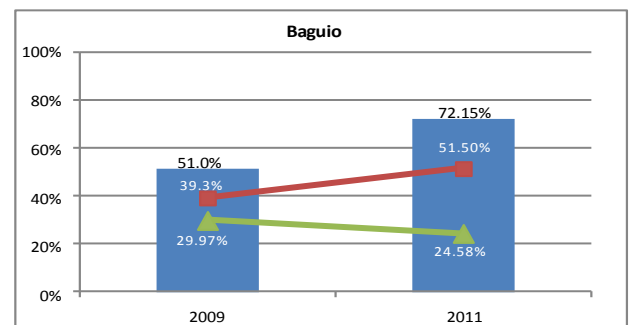
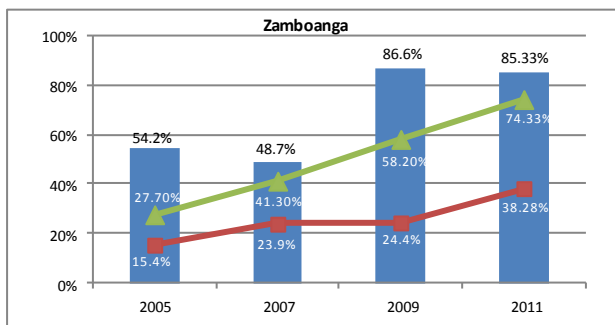
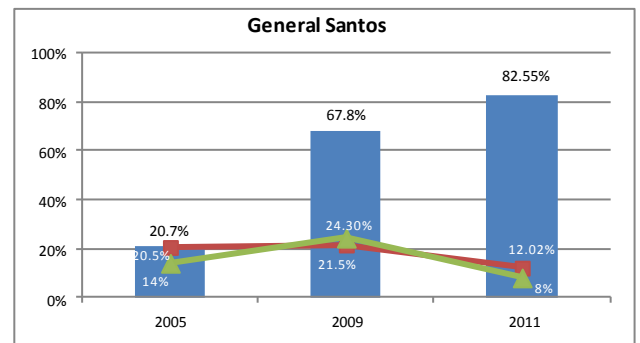
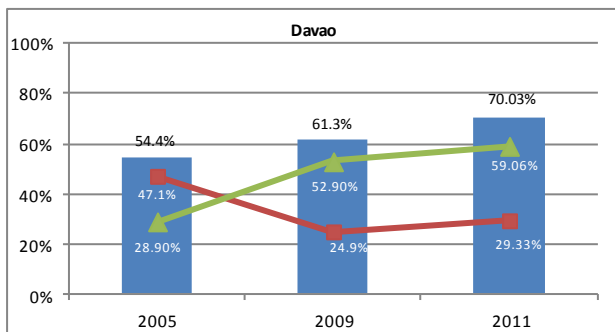
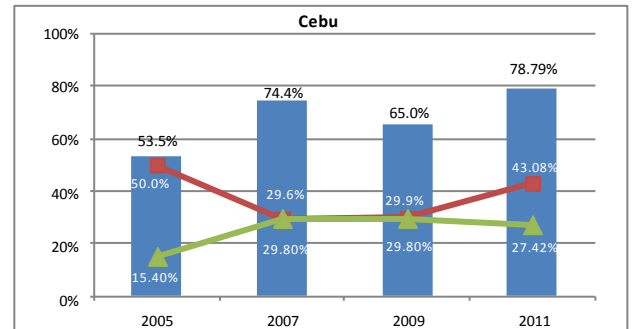
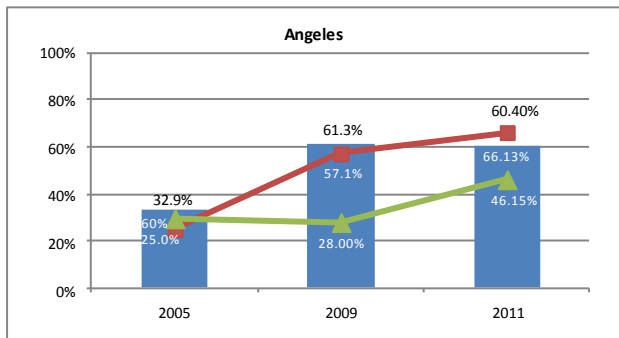
RISK BEHAVIOR

Fig 9. Percentage of MSM having anal sex in the \*past 12 months, condom use during last anal sex & received a free condom from SHC/NGO in the \*past 12 months in all sites by year



\*past 12 months from March 2010 to March 2011

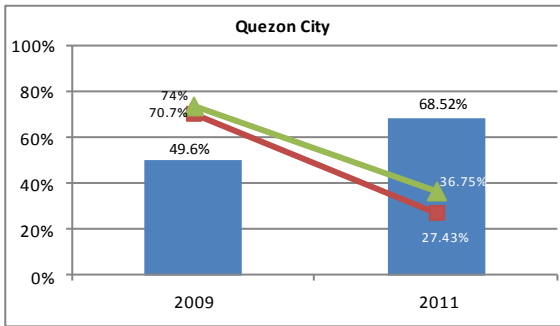
Fig 10. Percentage of MSM having anal sex in the past 12 months, condom use during last anal sex & received a free condom from SHC/NGO in the past 12 months, in selected sites by year



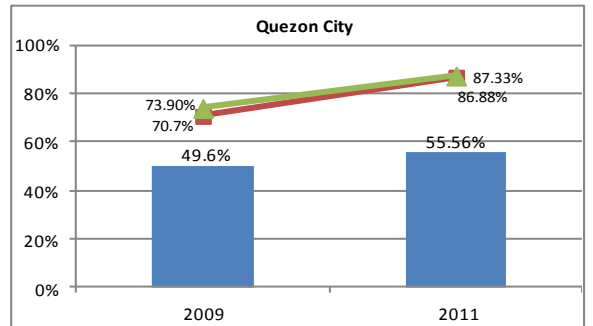
Legend: Anal Sex: Had anal sex in the past 12 months. Condom use: Used a condom during last anal sex. Rcv condom: 2009: Received a free condom from NGO or organization. 2011: Received a free condom from SHC & NGO in the past 12 months.



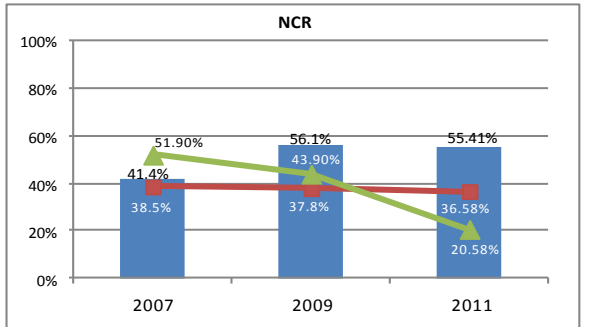
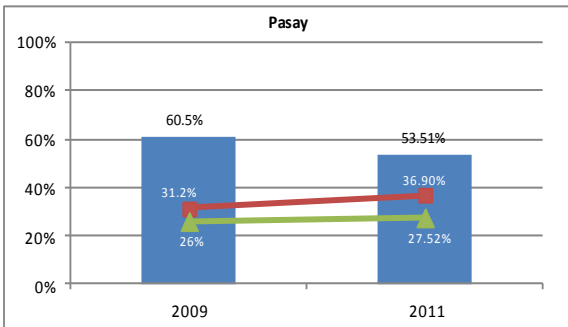
RISK BEHAVIOR



\*2009: Combined sample for MSM and Male Establishment workers (MEW).  
2011: Makes who have Sex with Males not based in entertainment establishments.



\*2009: Combined sample for MSM and Male Establishment workers (MEW).  
2011: separate sample for Male Sex Workers based on entertainment establishments.  
Male establishment workers only



2007: Metro Manila ( taken as one sample)  
2009: Pasay, Quezon City, Makati, Marikina, Pasig, Mandaluyong, Manila, Caloocan  
2011: Pasay, Quezon City, Makati, Marikina, Pasig, Mandaluyong, Manila, Caloocan

Legend: Anal Sex: Had anal sex in the past 12 months. Condom use: Used a condom during last anal sex. Rev condom: 2009: Received a free condom from NGO or organization, 2011: Received a free condom from SHC & NGO in the past 12 months.

Fig 11. Relationship with first male sex partner, 2011

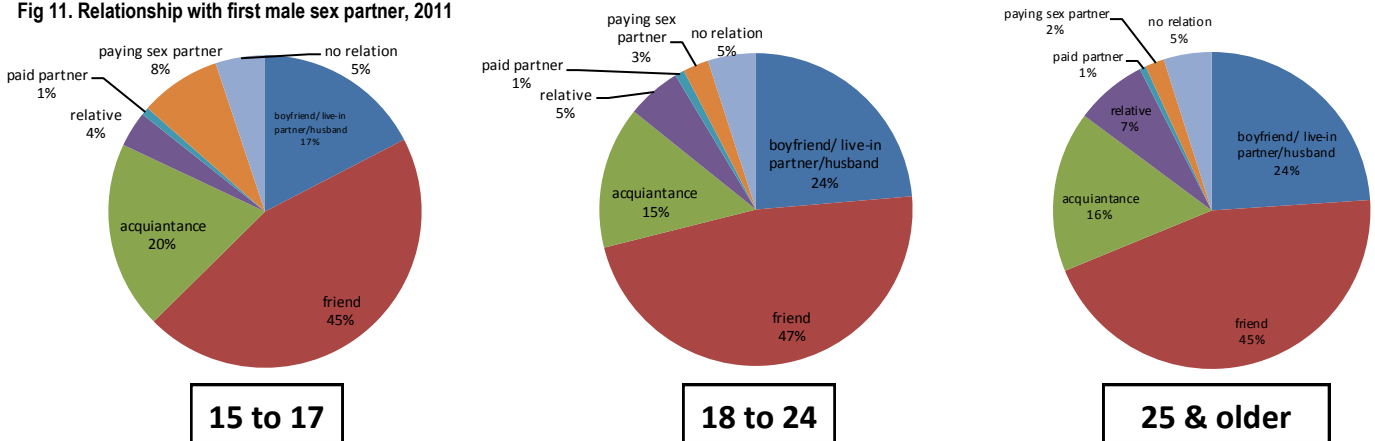


Fig 12. Percentage who participated in an orgy in the past 12 months by site, 2011

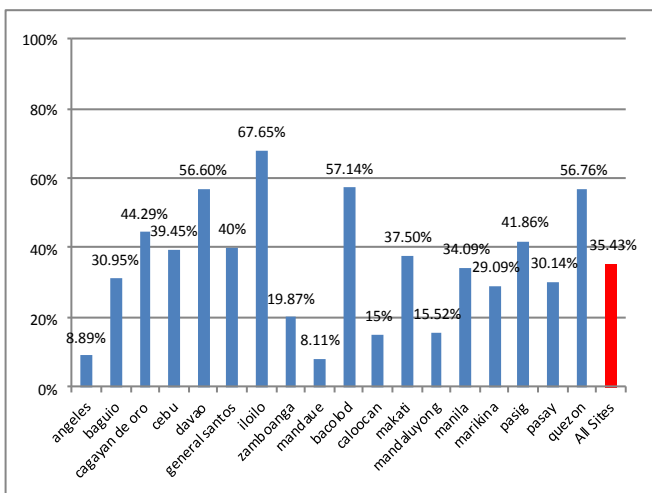
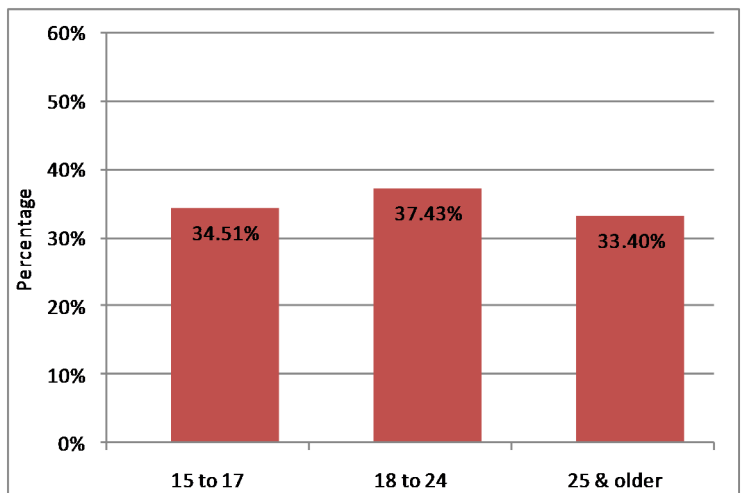


Fig 13. Percentage who participated in an orgy in the past 12 months by age group, 2011



RISK BEHAVIOR

Fig 14. Condom use during last anal sex and during last sex under the influence of alcohol, by site 2011

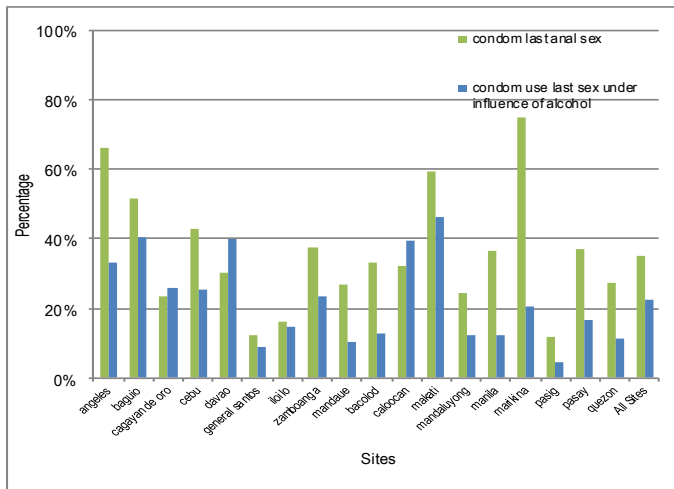


Fig 15. Condom use last anal sex and last sex under the influence of alcohol by age group, 2011

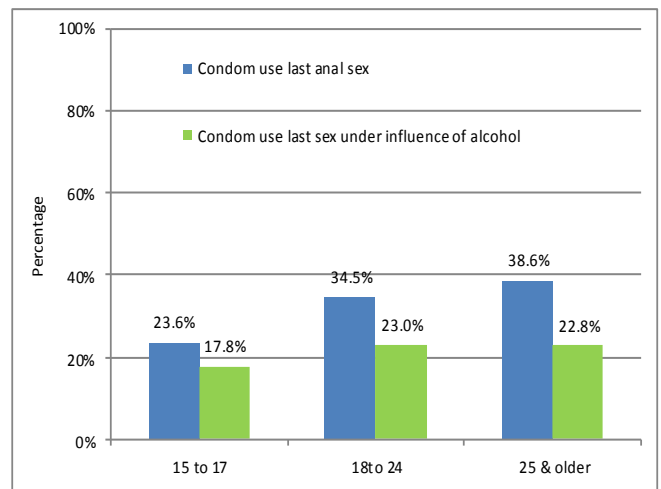


Fig 16. Percentage of MSM using drugs in the past 12 months by Site, 2011

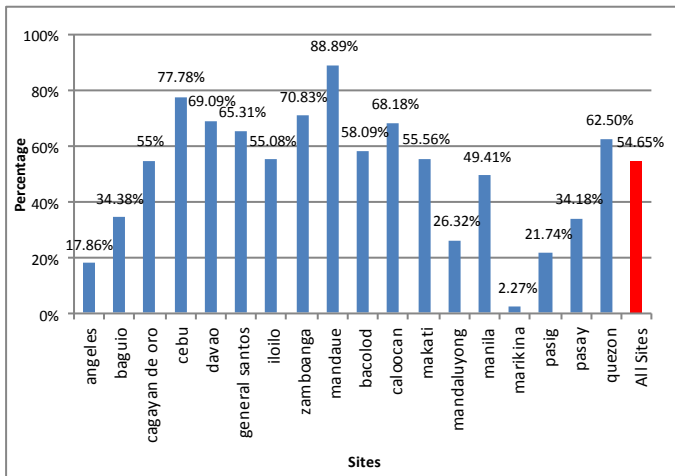


Fig 17. Percentage of MSM using drugs in the past 12 months by age group, 2011

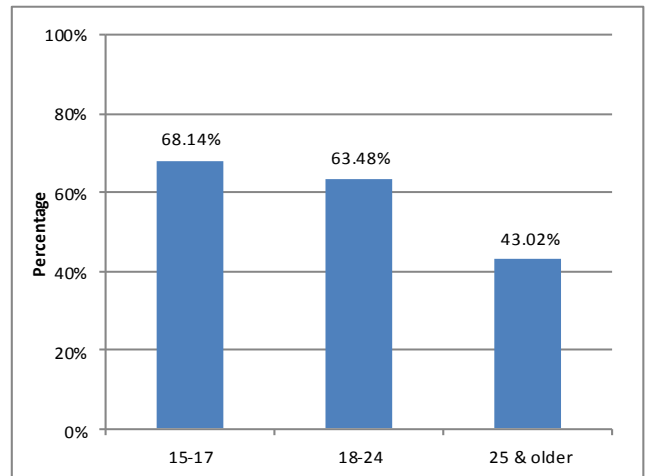


Table 3. Characteristics of sero-negative and sero-positive respondents in selected sites\*, 2011

	Syphilis Negative	Syphilis Positive	HIV Negative	HIV Positive
Total Number of Sites*	16		17	
Respondents (N)	4,673	84	4,963	90
Age range (Median)	15-77 (23)	15-53 (28)	15-77 (23)	18-43 (24)
15-17	12.24%	8.33%	12.09%	0%
18-24	48.96%	21.43%	47.79%	53.33%
25 & older	38.80%	70.24%	40.12%	46.67%
Educational Attainment: College	27.49%	33.33%	27.73%	55.06%
Civil Status: Married	5.68%	2.38%	5.71%	5.62%
Living with a partner	23.18%	28.57%	22.96%	18.18%
Knowledge: All correct	42.49%	33.33%	42.46%	50.00%
Feels at risk to get HIV	63.01%	67.47%	63.71%	71.59%
Had sex with a woman (past 12 months)	33.17%	16.67%	33.33%	15.73%
Number of male sex partners (mean)	1-276 (10)	1-987 (25)	1-987 (11)	1-100 (14)
Sold sex/Accepted cash for sex (past 12 months)	48.19%	34.52%	47.87%	34.44%
Paying clients/Bought sex from sex workers (past 12 months)	26.41%	49.40%	27.79%	27.78%
Had anal sex (past 12 months)	63.47%	74.39%	61.70%	84.27
Use condom during last anal sex in the past 12 months	35.81%	29.51%	37.16%	38.67%

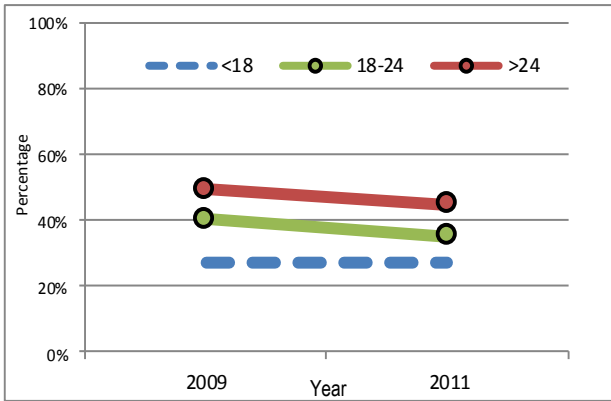
\*Sites with syphilis positive respondents: Angeles, Baguio, Cagayan de Oro, Cebu, Davao, Iloilo, Zamboanga, Mandaue, Bacolod, Caloocan, Makati, Mandaluyong, Manila, Pasay, Pasig, Quezon

\*\*Sites with HIV positive respondents: Angeles, Baguio, Cagayan de Oro, Cebu, Davao, Iloilo, Zamboanga, Mandaue, Bacolod, Caloocan, Makati, Mandaluyong, Manila, Marikina, Pasig, Pasay, Quezon.



INTERVENTION

Fig 18. Percentage who received a free condom in selected sites, \*2009 & 2011



2009 & 2011: Angeles, Baguio, Cebu, Davao, General Santos, Zamboanga, Pasay, Quezon only  
 2009: Received a free condom from a person/organization.  
 2011: Received a free condom from NGO & SHC in the past 12 months.

Fig 19. Percentage who received free condoms from SHC & NGO in the past 12 months by site, 2011

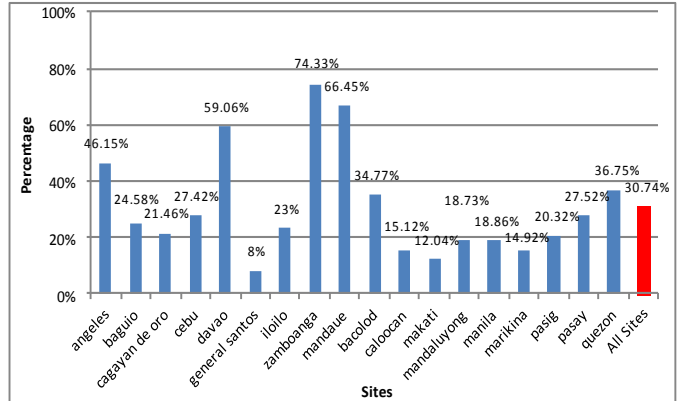
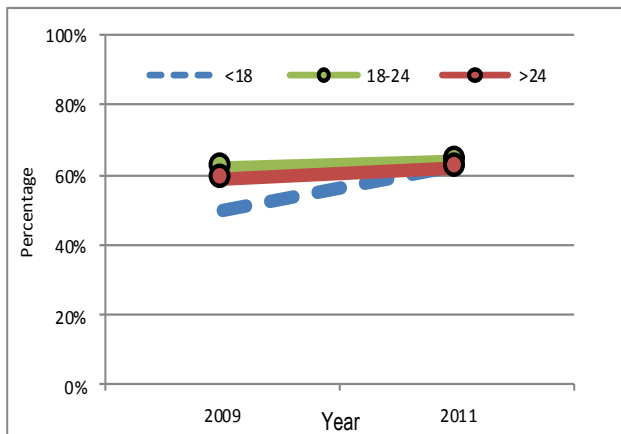
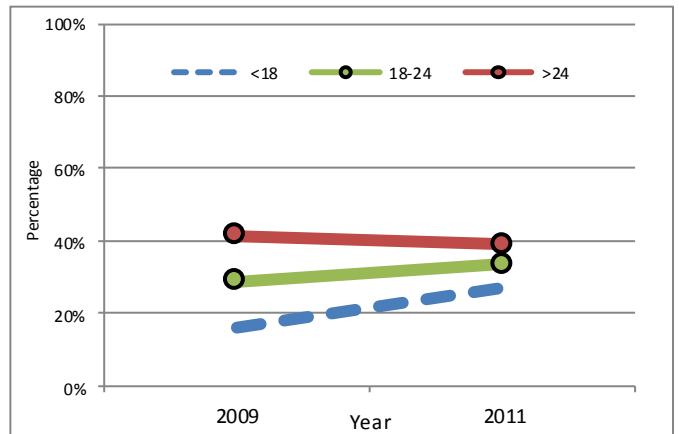


Fig 20. Percentage who had their last HIV test at the SHC in selected sites, \*2009 & 2011



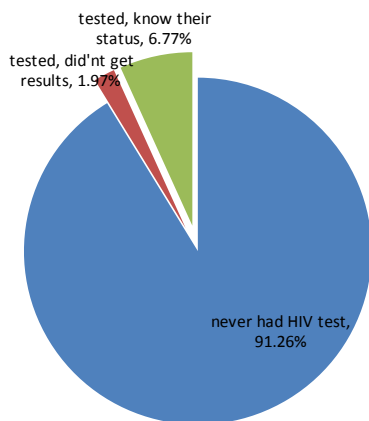
\*2009 & 2011: Angeles, Baguio, Cebu, Davao, General Santos, Zamboanga, Pasay, Quezon only

Fig 21. Percentage who attended HIV seminar in selected sites, \*2009 & 2011

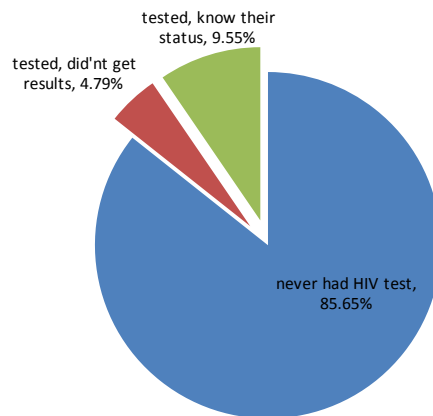


\*2009 & 2011: Angeles, Baguio, Cebu, Davao, General Santos, Zamboanga, Pasay, Quezon only

Fig 22. Percentage ever tested for HIV & know their HIV status, 2009 & 2011



2009



2011

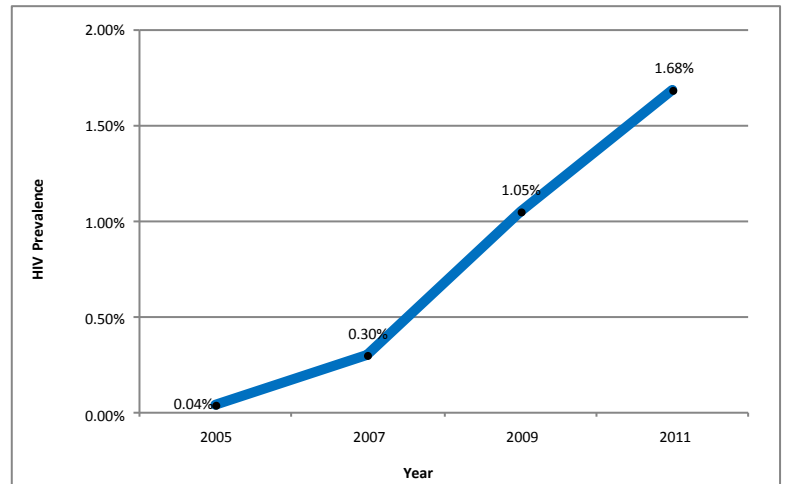
\*2009 & 2011: Angeles, Baguio, Cebu, Davao, General Santos, Zamboanga, Pasay, Quezon only

PREVALENCE

Table 4. Syphilis & HIV Prevalence, 2011

Site	Syphilis Prevalence (%)	HIV Prevalence (%)
Angeles	1.00	2.00
Baguio	1.67	1.00
Cebu	1.00	4.67
Cagayan de Oro	0.38	1.91
Davao	0.33	2.67
Gen Santos	0.00	0.00
Iloilo	6.33	0.33
Zamboanga	0.67	1.33
Pasay	1.67	2.00
Mandaue	3.33	0.33
Bacolod	2.96	0.99
Quezon	2.94	5.56
Makati	1.33	0.67
Mandaluyong	1.32	0.99
Marikina	0.00	0.67
Pasig	0.33	0.33
Manila	1.31	4.25
Caloocan	1.61	0.65

Fig 23. National HIV Prevalence of MSM, 2005-2011



# **Injecting Drug Users (IDU)**



# 2011 Integrated HIV Behavioral and Serologic Surveillance

## INJECTING DRUG USERS

IHBSS Inclusion Criteria: Male or female, 15 years and older, who injected drugs not prescribed by a physician, in the past 6 months.

### IDU SITES

2005: Cebu, Gen Santos, Zamboanga

2007: Cebu, Gen Santos, Zamboanga

2009: Cebu, Gen Santos, Zamboanga

2011: Cebu, Gen Santos, Zamboanga, Mandaue

### DEMOGRAPHIC PROFILE

Table 1. Age profile of Male IDUs

	2005	2007	2009	2011
Total Sample	659	712	830	1220
Age Range (median)	14-62 (25)	15-57 (24)	15-55 (23)	15-57 (23)
<18 years old	4.92%	14.75%	7.23%	4.92%
18 older	95.08%	85.25%	92.77%	95.08%

Table 2. Age range & median of first drug use of Male IDUs

	2005	2007	2009	2011
Cebu	10-36 (16)	9-40 (16)	6-46 (15)	7-42 (16)
General Santos	9-32 (16)	10-25 (16)	9-28 (16)	10-26 (15)
Zamboanga	8-40 (17)	9-43 (18)	9-35 (17)	9-30 (17)
Mandaue				7-40 (16)
All Sites	8-40 (17)	9-43 (16)	6-46 (16)	7-42 (16)

Age first injected drugs in all sites	2005	2007	2009	2011
	10-42 (19)	10-43 (18)	11-54 (18)	10-46 (18)

Table 3. Age profile of Female IDUs

	2005	2007	2009	2011
Total Sample	61	40	47	63
Age Range (median)	15-48 (25)	16-46 (25)	18-44 (23)	16-45 (26)
<18 years old	4.70%	12.50%	0%	7.94%
18 older	95.30%	87.50%	100%	92.06%

Table 4. Age range & median of first drug use of Female IDUs

	2005	2007	2009	2011
Cebu	12-28 (16)	12-27 (16)	14-34 (18)	14-35 (18)
General Santos	14-23 (18)	14-20 (17)	16-26 (18)	14-30 (16)
Zamboanga	12-44 (18)	15-29 (18)	14-26 (17)	14-27 (16)
Mandaue				12-19 (15)
All Sites	12-44 (18)	12-29 (18)	14-34 (18)	12-35 (17)

Age first injected drugs in all sites	2005	2007	2009	2011
	14-44 (20)	14-44 (19)	14-34 (19)	13-40 (19)

Fig 1. Distribution of IDUs by Age Group & Year

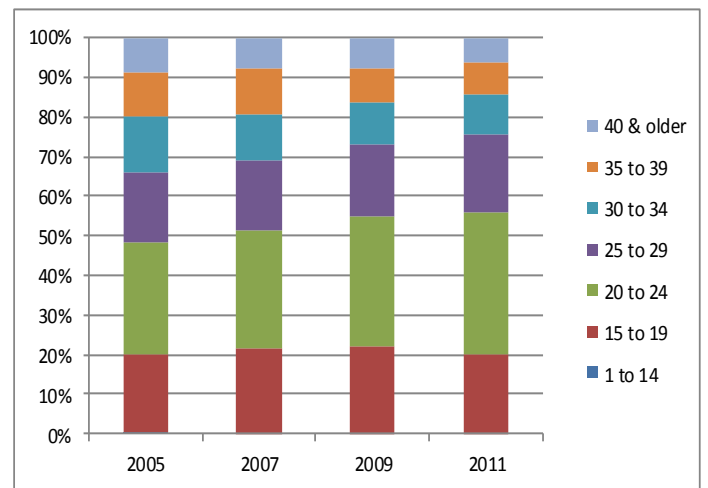
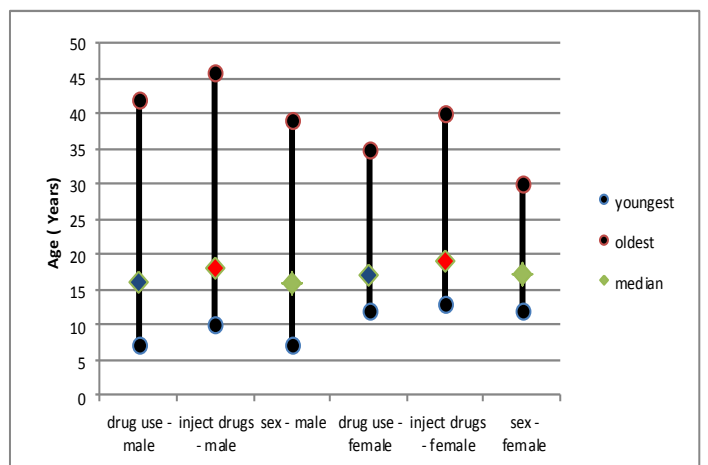


Fig 2. Age of first drug use, of first injecting drug use & of first sex, 2011



DEMOGRAPHIC PROFILE

Fig 3. Distribution of IDUs by Sex & Year

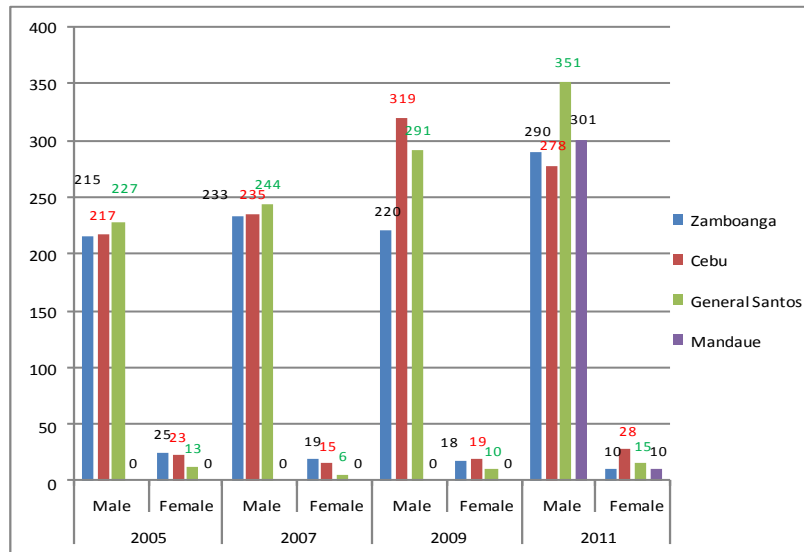


Fig 4. Distribution of Male IDUs by educational attainment & year

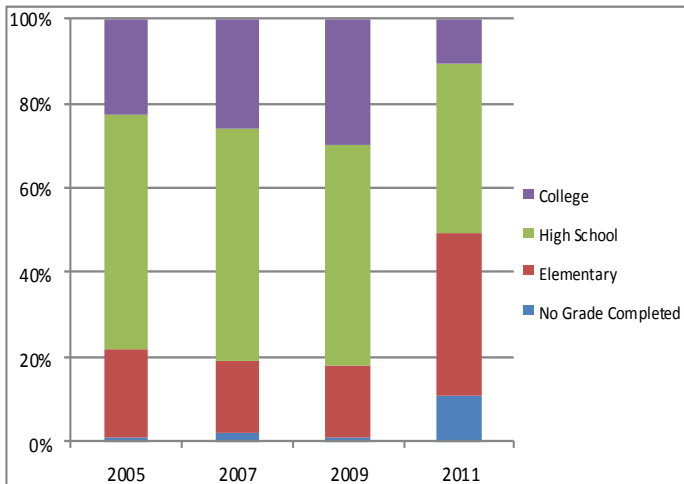


Fig 5. Educational Attainment of IDUs by sex & age group, 2011

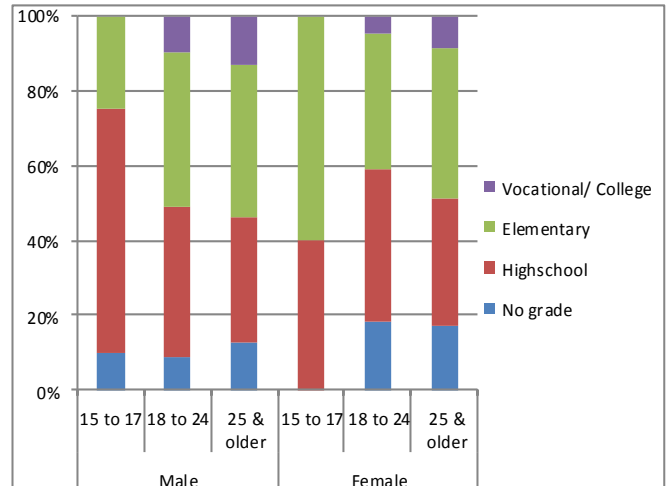


Fig 6. Percentages of Male IDUs who are Presently Living With a Partner according to Site, 2011

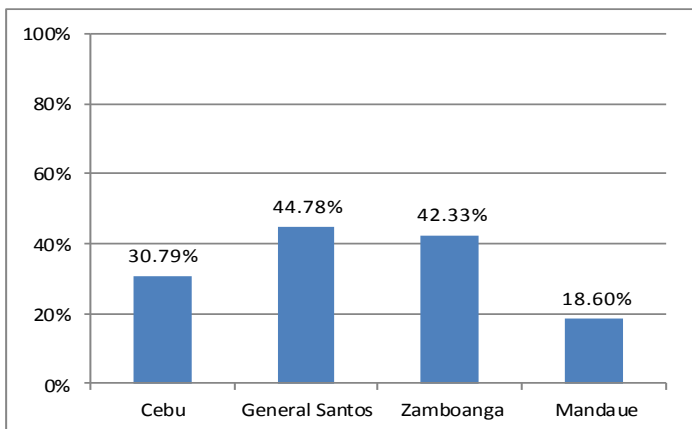


Fig 7. Percentages of IDUs who are Presently Living With a Partner according to age group, 2011

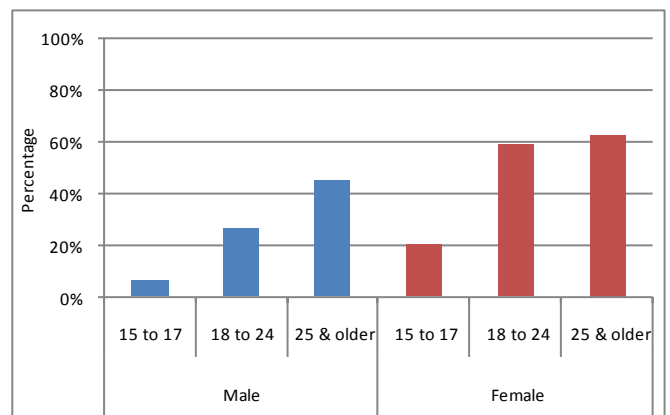


Table 5. Civil Status of Male IDUs by Year

	2005	2007	2009	2011
Single	74.51%	73.31%	77.95%	79.41%
Married	22.15%	21.35%	19.40%	18.13%
Separated/Widower	3.34%	5.34%	2.65%	2.46%

Table 6. Civil Status of Female IDUs by Year

	2005	2007	2009	2011
Single	68.85%	35.00%	76.6%	77.42%
Married	16.39%	55.00%	17.02%	20.97%
Separated/Widow	14.75%	10.00%	6.38%	1.61%

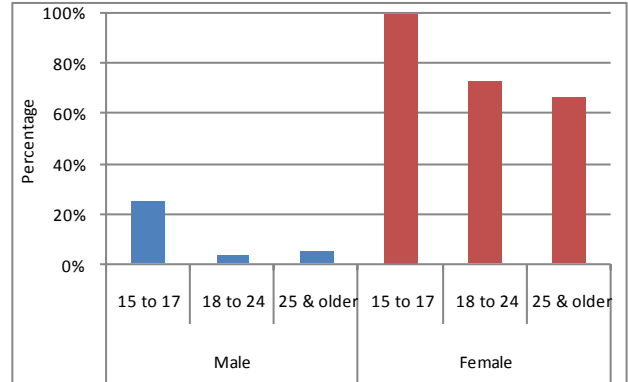
DEMOGRAPHIC PROFILE

Table 7. Male IDUs with regular sex partners who also inject drugs by year

	2007			2009			2011		
	15- 17	18- 24	>24	15- 17	18- 24	>24	15- 17	18- 24	>24
Cebu	0.0%	7.5%	9.5%	18.2%	5.8%	20.2%	0.0%	7.0%	8.3%
General Santos	8.3%	8.9%	6.4%	14.3%	12.7%	11.6%	0.0%	0.0%	0.8%
Zamboanga	0.0%	9.8%	5.3%	33.3%	11.9%	5.9%	20.0%	0.9%	2.1%
Mandaue							2.7%	2.0%	1.3%
All Sites	5.6%	8.9%	7.9%	17.9%	10.0%	12.8%	3.1%	2.0%	2.8%

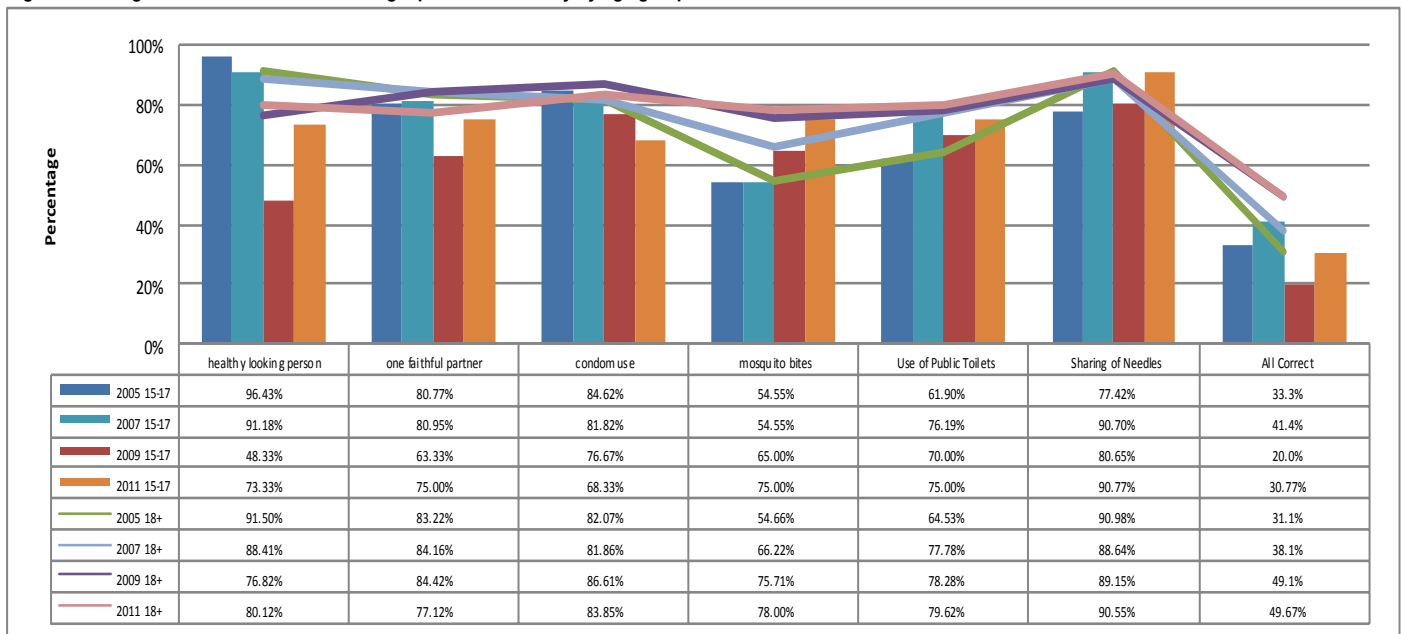
\*Regular partner includes wife, boyfriend/ girlfriend, live-in partner.

Fig 8. Percentages of IDUs with partners who also inject drugs by age group, 2011



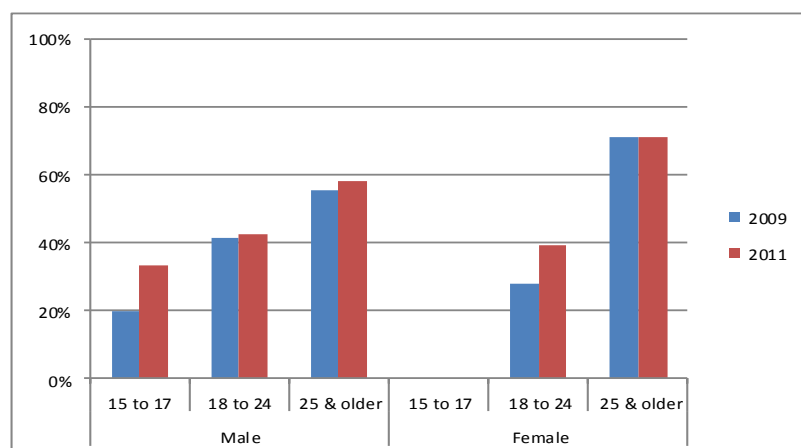
KNOWLEDGE OF HIV

Fig 9. Percentage who answered HIV knowledge questions correctly by age group



\*All Correct includes HIV knowledge questions for healthy looking person, one faithful partner, condom use, mosquito bites, and use of public toilets only.

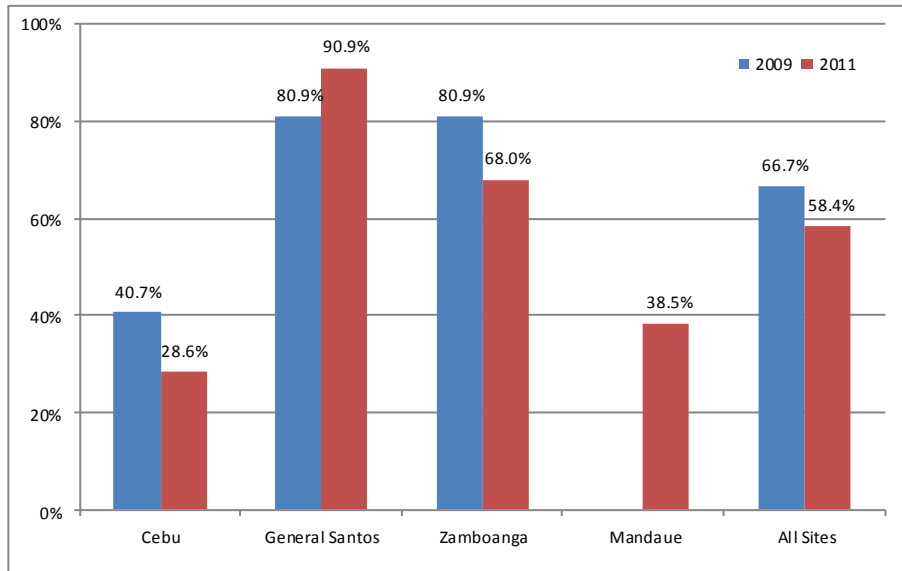
Fig 10. Percentage of IDUs who answered all 6 HIV knowledge questions correctly, 2009 & 2011



\*All HIV knowledge questions include: healthy looking person, one faithful partner, condom use, mosquito bites, use of public toilets, and sharing of needles.

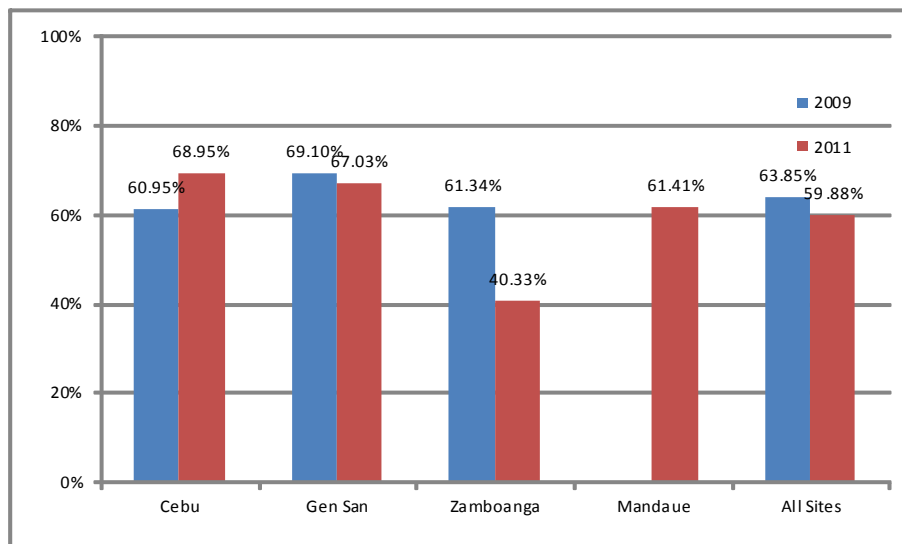
RISK BEHAVIORS

Fig 11. Percentage of IDUs who shared needles during last injection by site, 2009 & 2011



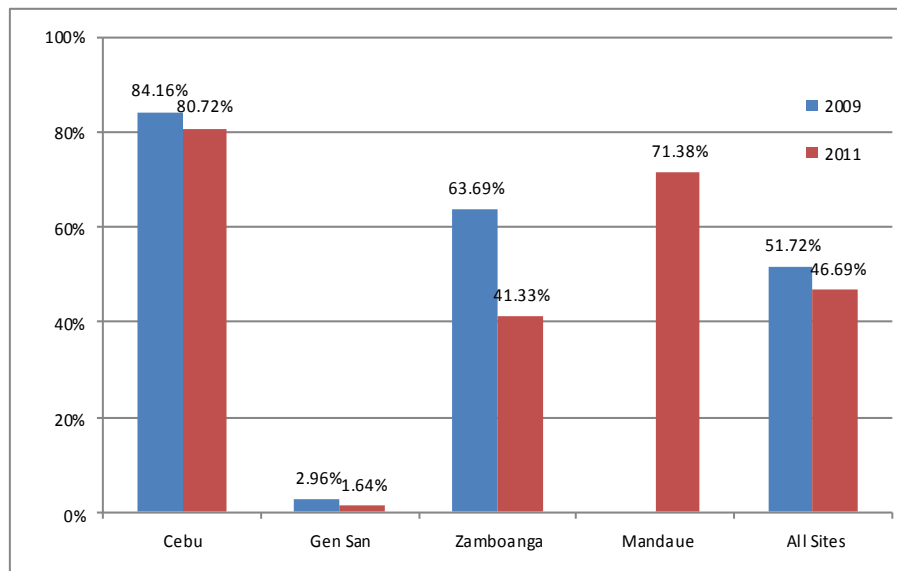
\*All sites: 2009: Cebu General Santos, Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

Fig 12. Percentage of IDUs who got their needles from an unclean needle source by site, 2009 & 2011



\*All sites: 2009: Cebu General Santos, Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

Fig 13. Percentage of IDUs who last injected at the shooting gallery by site, 2009 & 2011

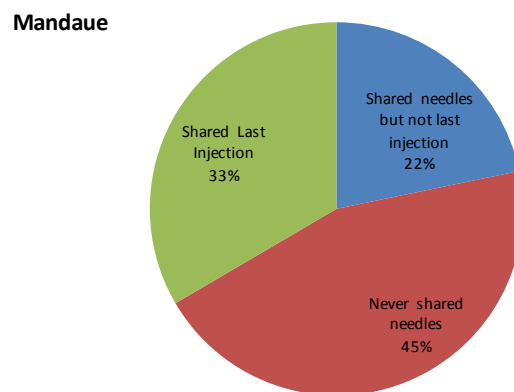
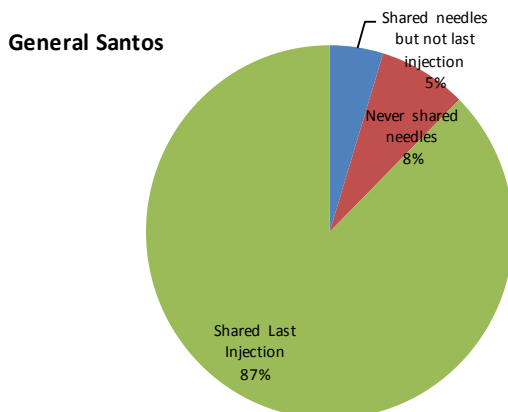
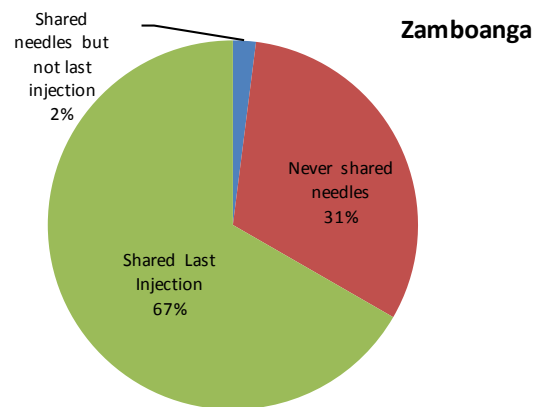
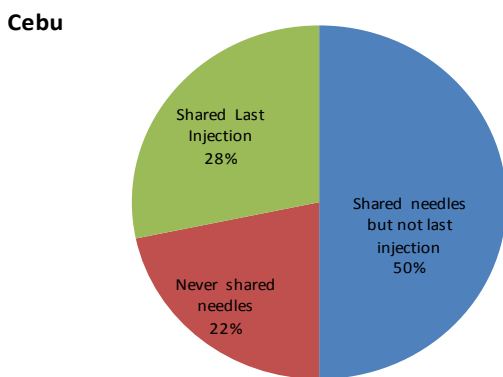
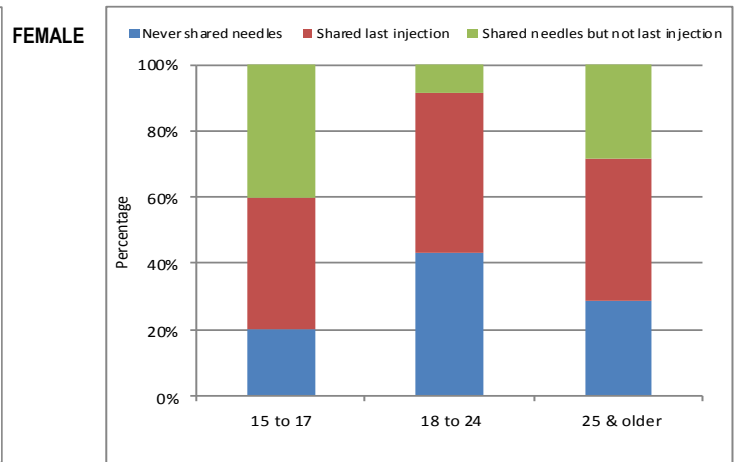
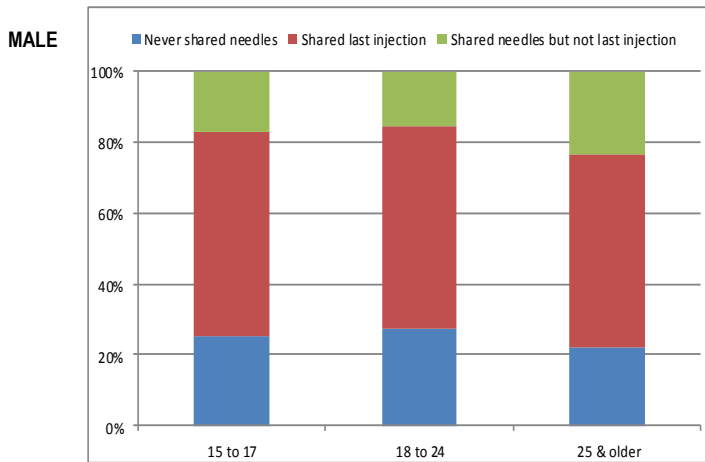
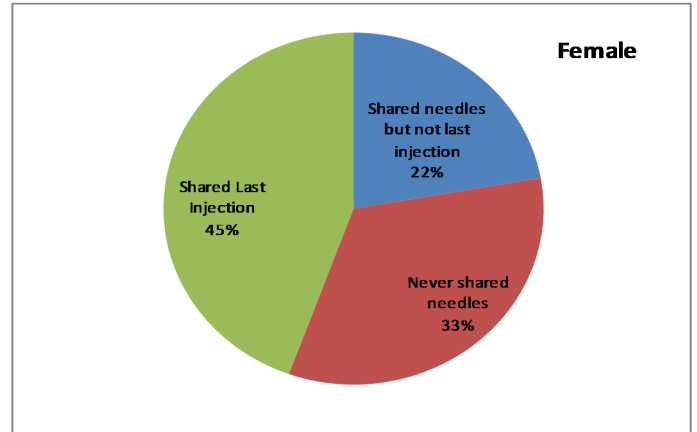
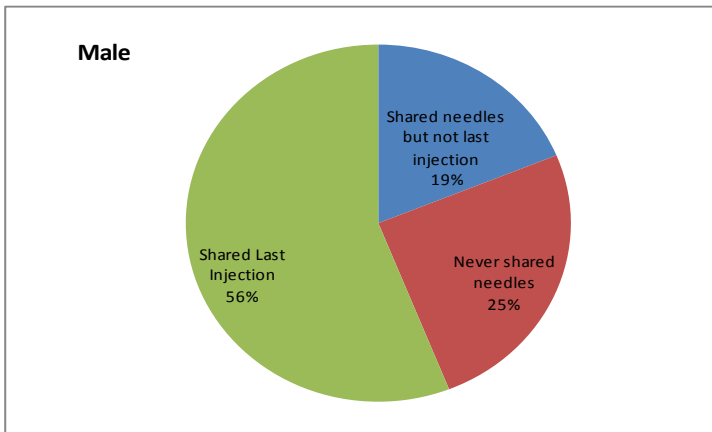


\*All sites: 2009: Cebu General Santos, Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.



RISK BEHAVIORS

Fig 14. Percentage of IDUs who shared needles, shared last injecting needle, and never shared needles, by sex & site, 2011







RISK BEHAVIORS

Fig 15. Percentage of IDUs who accepted money or drugs in exchange for sex by age group & site, 2011

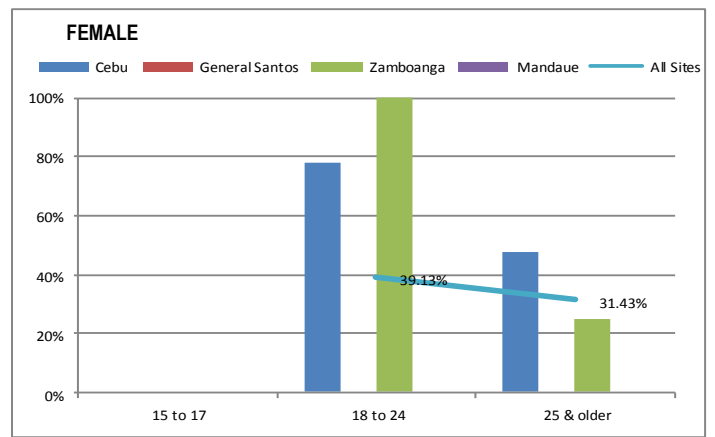
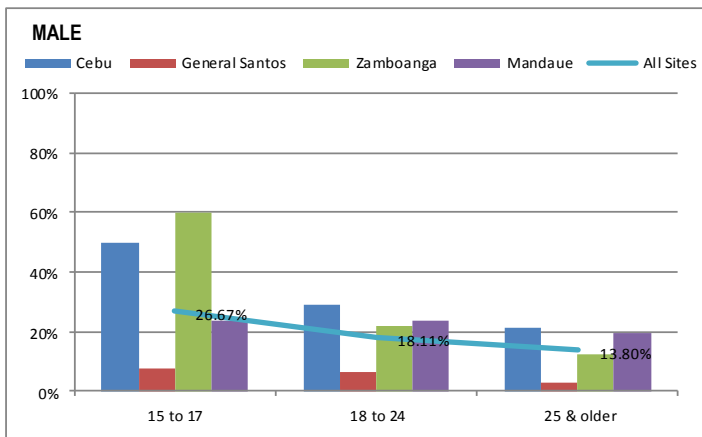


Fig 16. Percentage of Male IDUs who are Clients of female sex workers in the past 12 months by site & age group, 2011

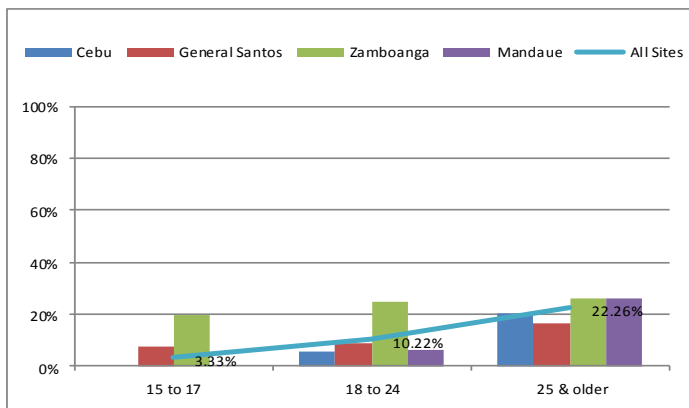


Fig 17. Condom use with Wife /Girlfriend or Live-in partner and with sex workers by site & age group, 2011

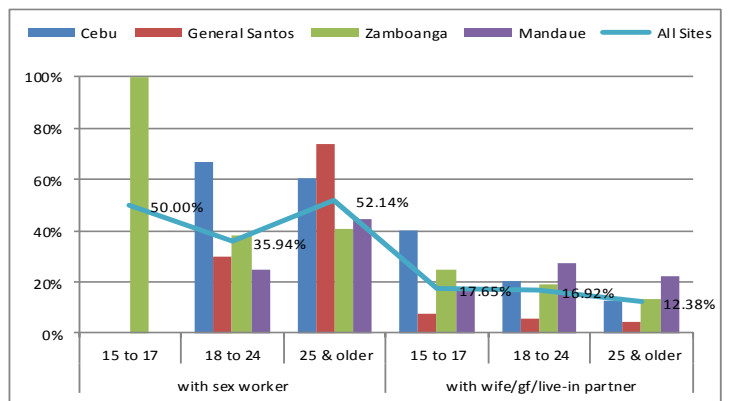
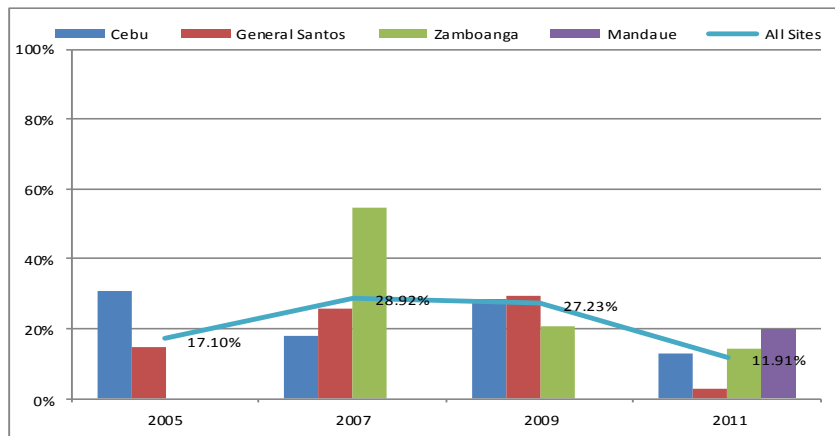


Fig 18. Distribution of Male IDUs who had sex with another male in the past 12 months by site & year



\*All sites: 2005, 2007, 2009: Cebu General Santos, Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

Fig 19. Distribution of Male IDUs who had sex with another male in the past 12 months by age group & site, 2011

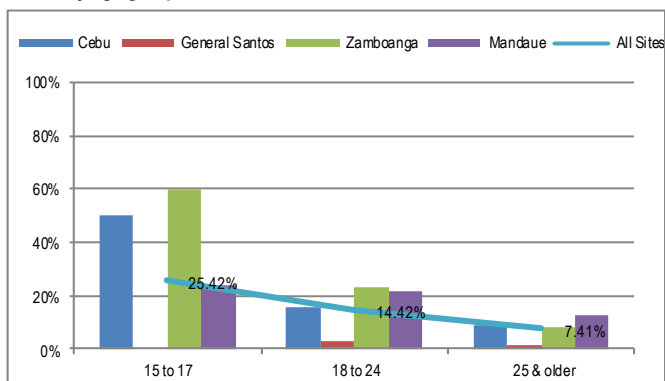
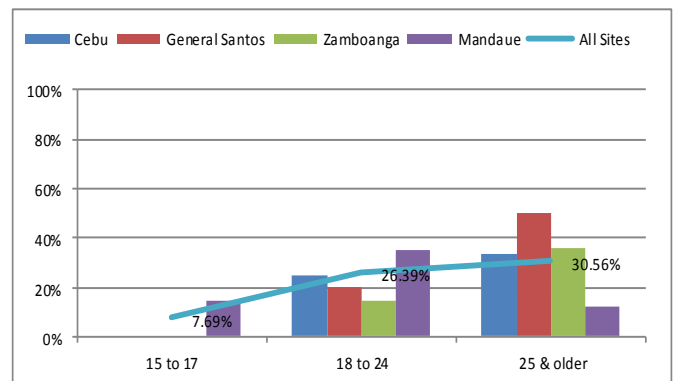


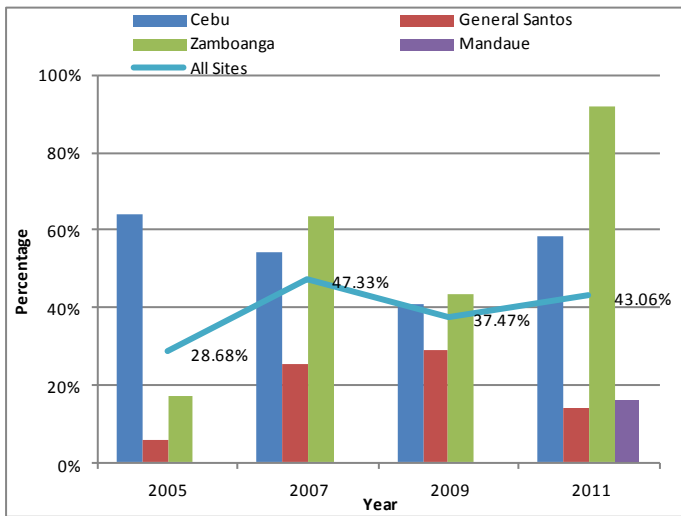
Fig 20. Condom use last anal sex of Male IDUs who had sex with other males in the past 12 months by age group & site, 2011



INTERVENTION

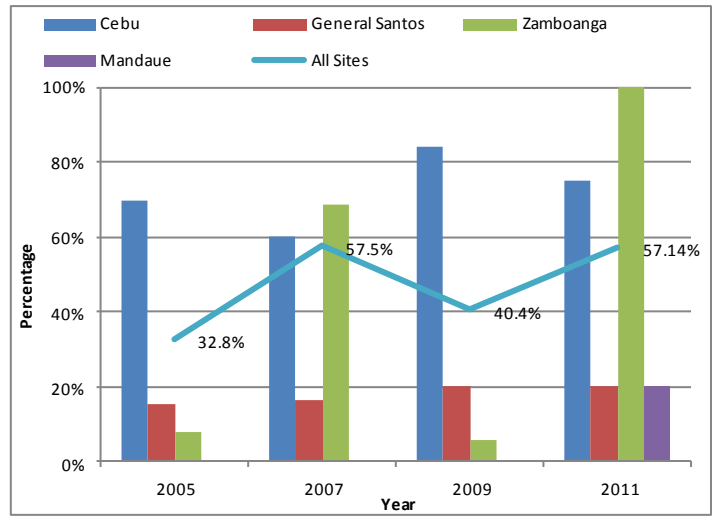
Fig 21. Percentage of IDUs who had Received Free Condoms in the past 12 months by Site and Year

Males



\*All sites: 2005, 2007, 2009: Cebu General Santos, Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

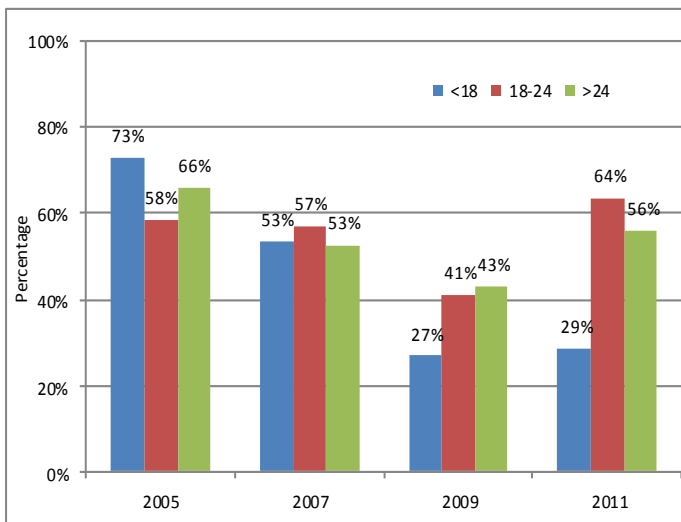
Females



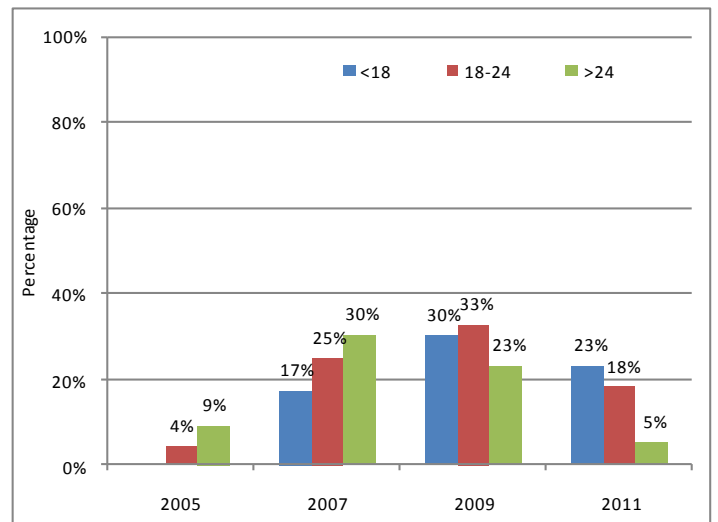
\*All sites: 2005, 2007, 2009: Cebu General Santos, Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

Fig 22. Percentage of Male IDUs who Received Free Condoms in the past 12 months by age group and Year

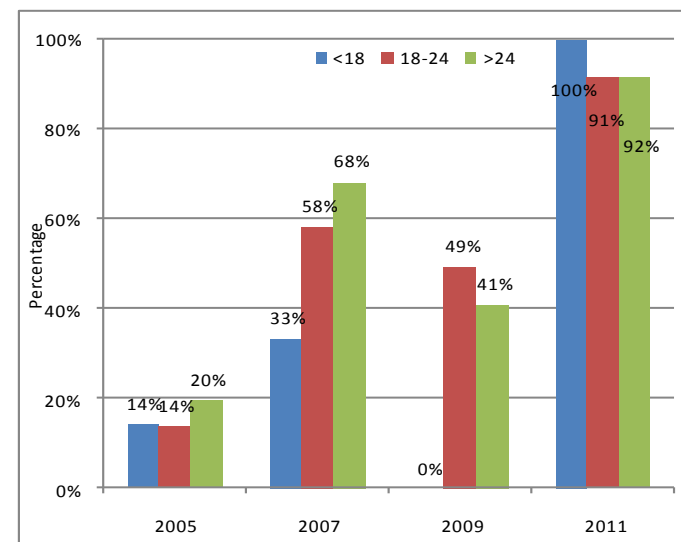
CEBU



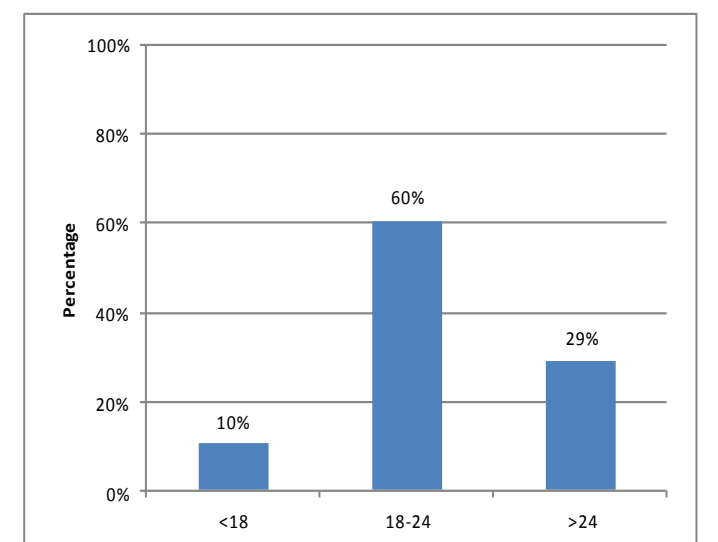
GENERAL SANTOS



ZAMBOANGA



MANDAUE

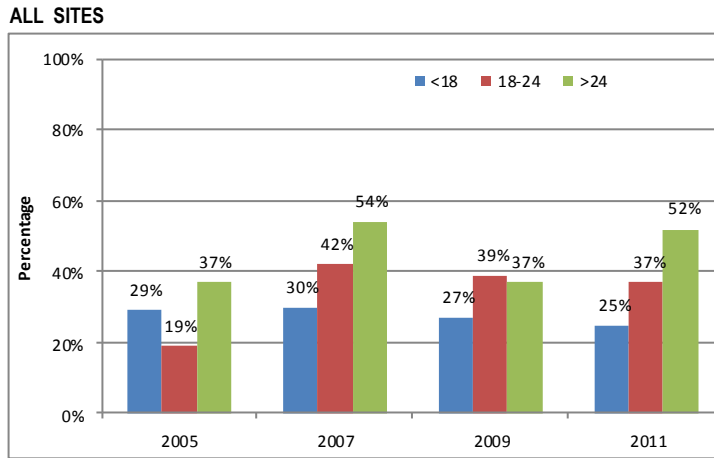


\*Mandaue inclusion to IHBS started in 2011 only.



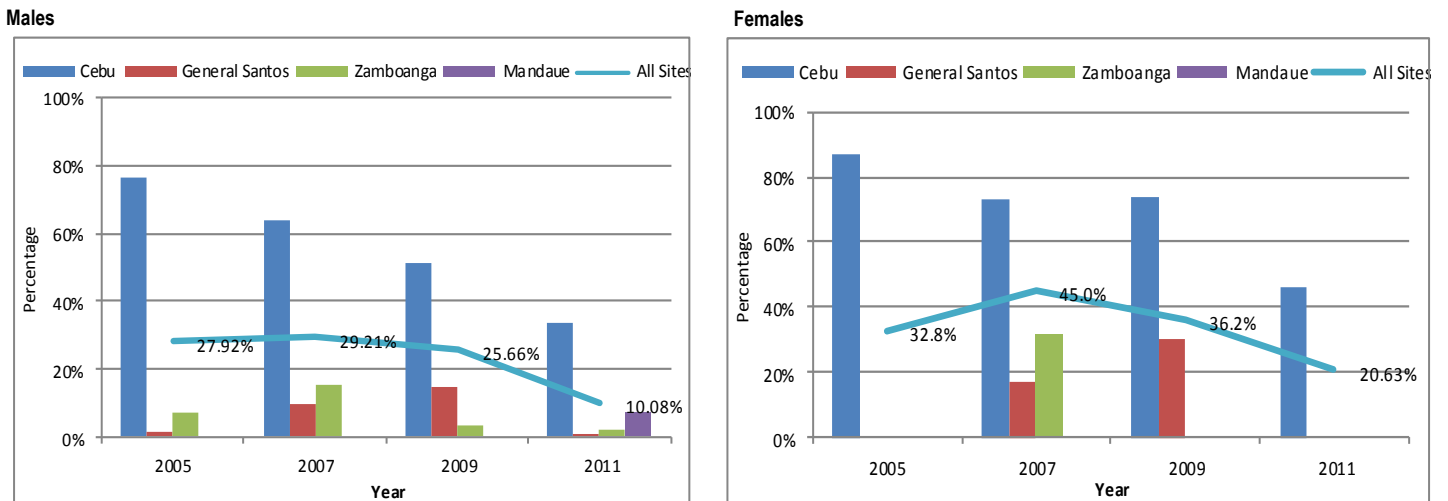
INTERVENTION

Fig 22. Percentage of Male IDUs who Received Free Condoms in the past 12 months by age group and Year



\*All sites: 2005, 2007, 2009: Cebu General Santos, Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

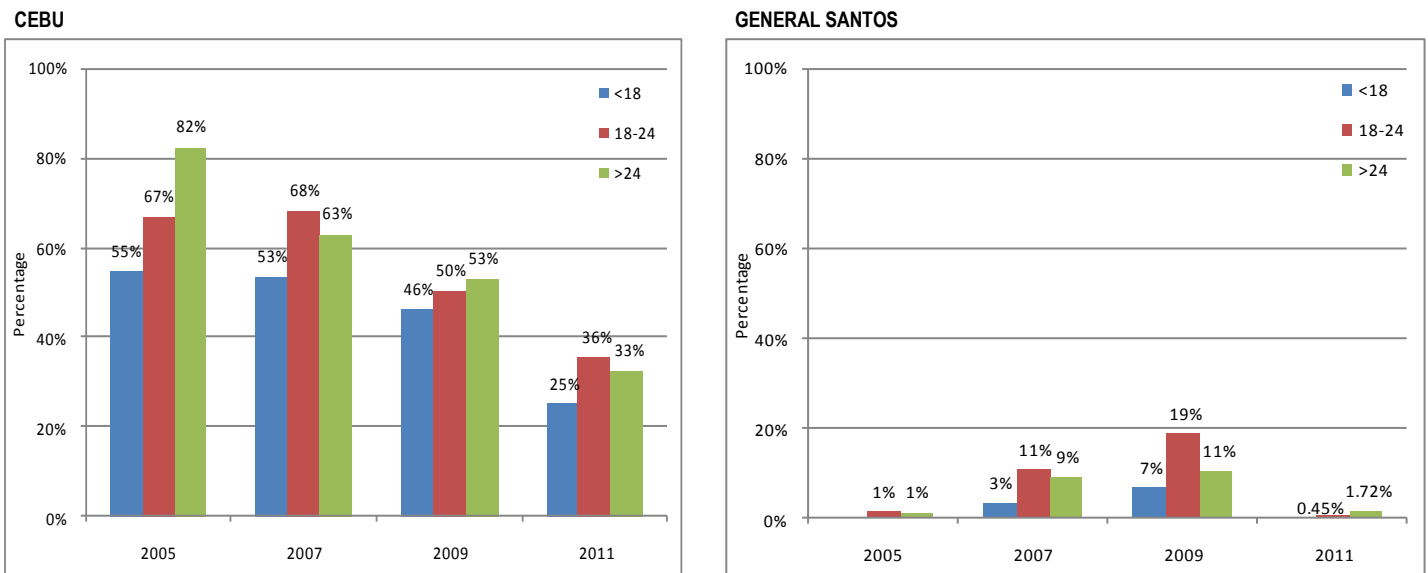
Fig 23. Percentage of IDUs who Received Free Needles or Syringes in the past 12 months by Site and Year



\*All sites: 2005, 2007, 2009: Cebu General Santos, Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

\*All sites: 2005, 2007, 2009: Cebu General Santos, Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

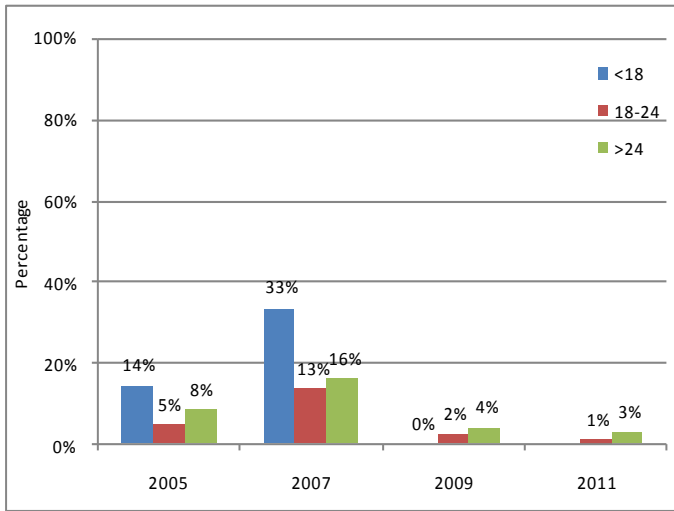
Fig 24. Percentage of Male IDUs who Received Free Needles or Syringes in the past 12 months by age group and Year



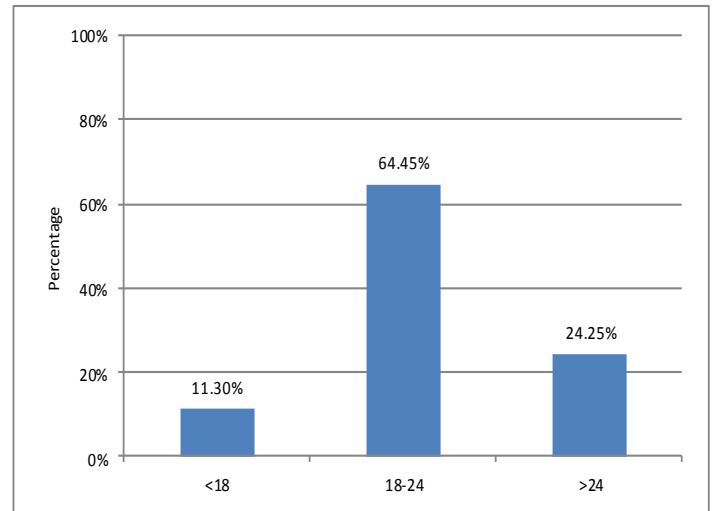
INTERVENTION

Fig 24. Percentage of Male IDUs who Received Free Needles or Syringes in the past 12 months by age group and Year

ZAMBOANGA

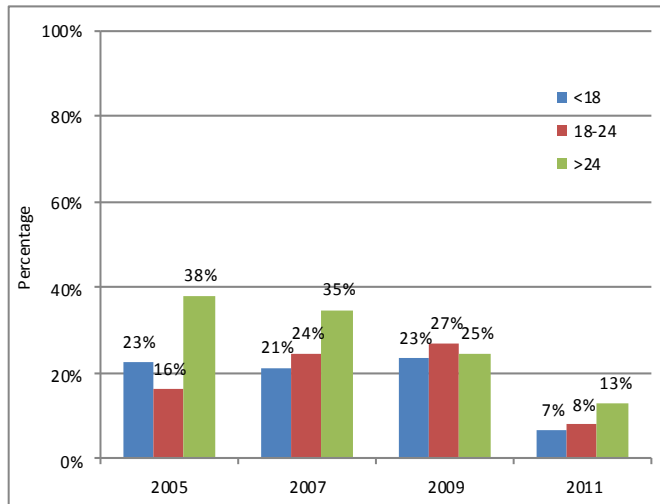


MANDAUE



\*Mandaue inclusion to IHBS started in 2011.

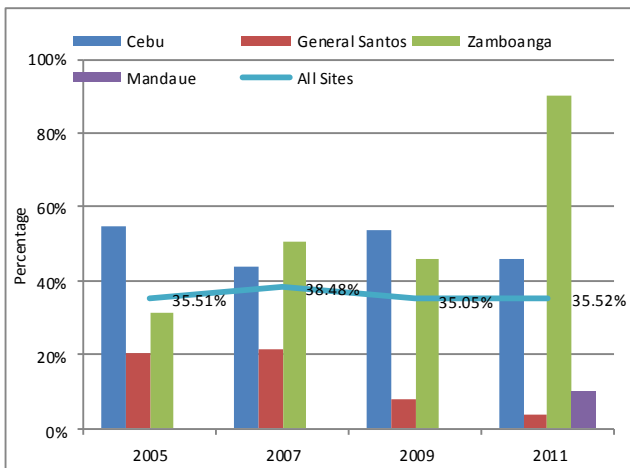
ALL SITES



\*2005, 2007, 2009: Cebu General Santos, Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

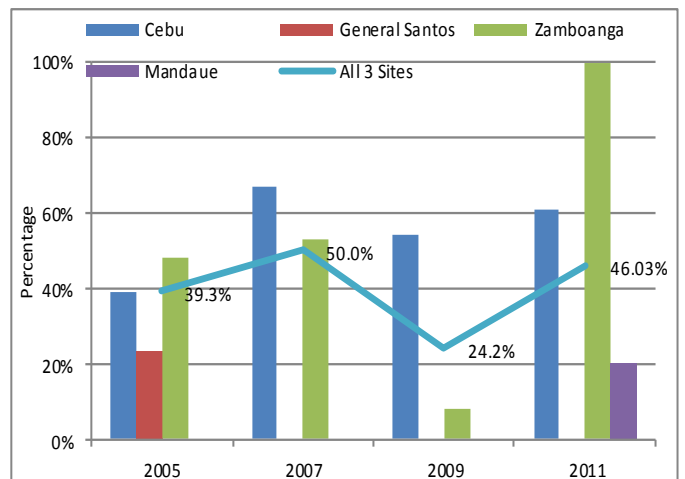
Fig 25. Percentage of IDUs who Attended an HIV Seminar in the past 12 months by Site and Year

Males



\*2005, 2007, 2009: Cebu, General Santos, and Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

Females

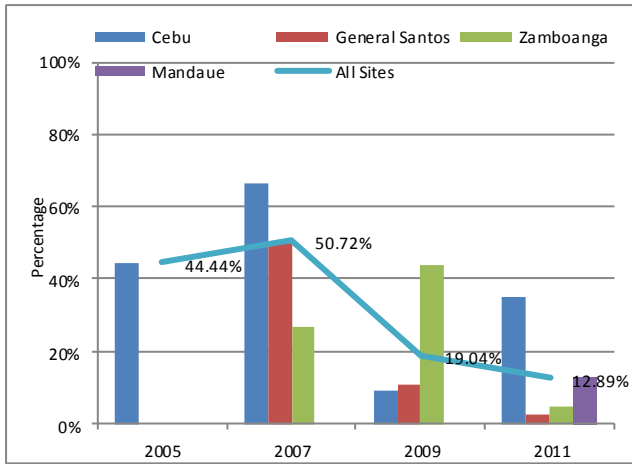


\*2005, 2007, 2009: Cebu, General Santos, and Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

INTERVENTION

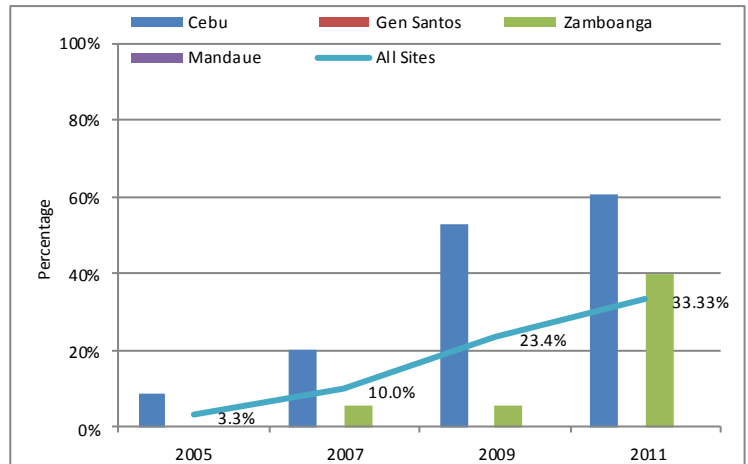
Fig 26. Percentage who accessed HIV/STI services of SHC by site & Year

Males



\*All sites: 2005, 2007, 2009: Cebu, General Santos, Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

Females



\*All sites: 2005, 2007, 2009: Cebu, General Santos, Zamboanga only.  
2011: Cebu, General Santos, Zamboanga, and Mandaue.

Fig 27. Percentage who accessed HIV/STI services of SHC by site & age group, 2011

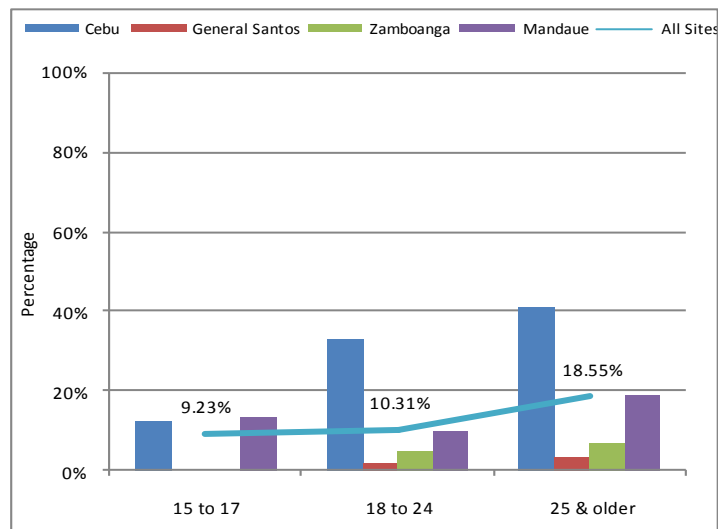


Fig 28. Percentage who had their last HIV test at the SHC in all sites, 2011

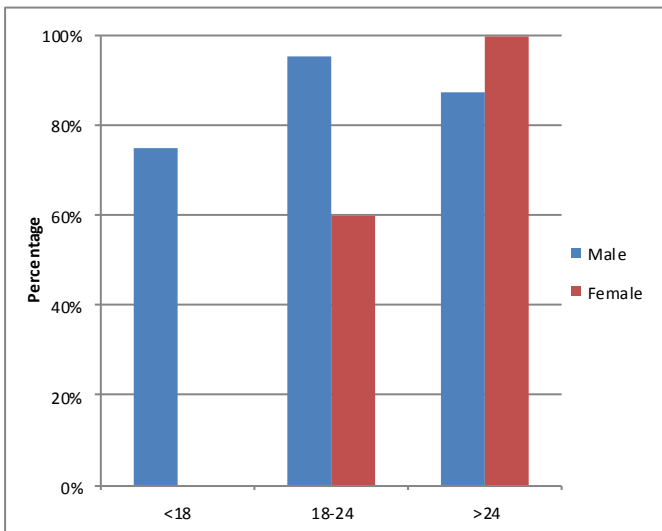
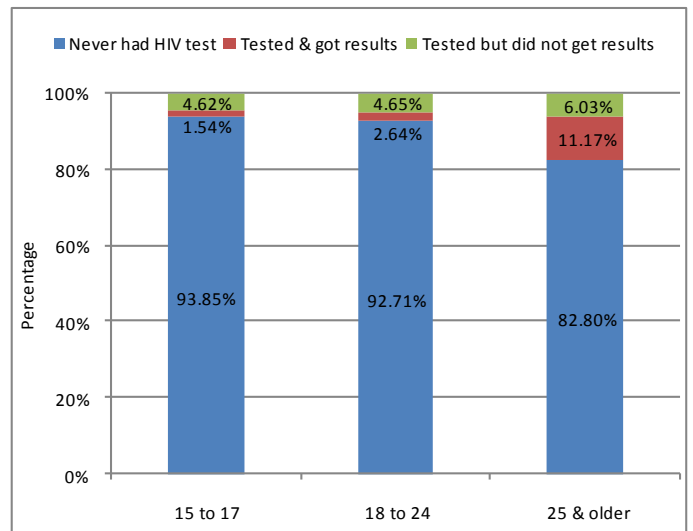


Fig 29. Percentage Ever Tested for HIV & Know their HIV Status by age group, 2011





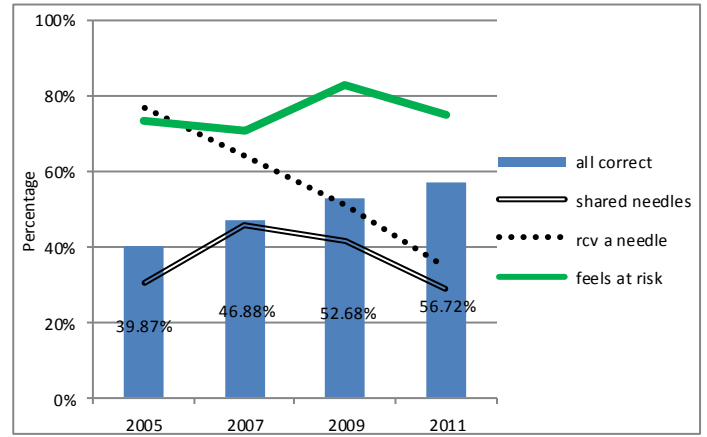
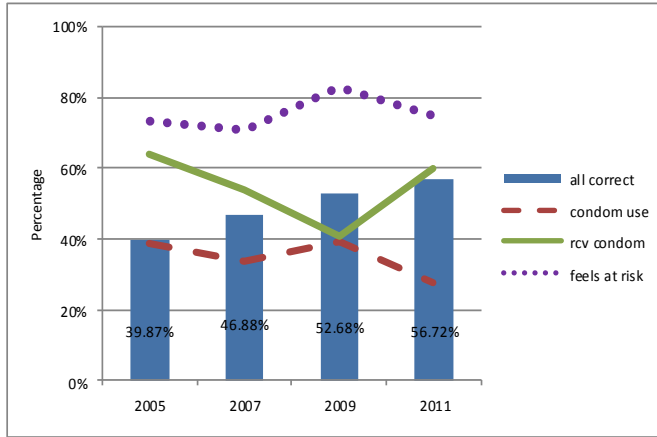
KNOWLEDGE OF HIV, RISK BEHAVIOR & INTERVENTION

Fig 30. Percentage who Answered HIV Knowledge Questions Correct, used a condom, received a condom, feels at risk, shared needles and received a needle, by Site & Year

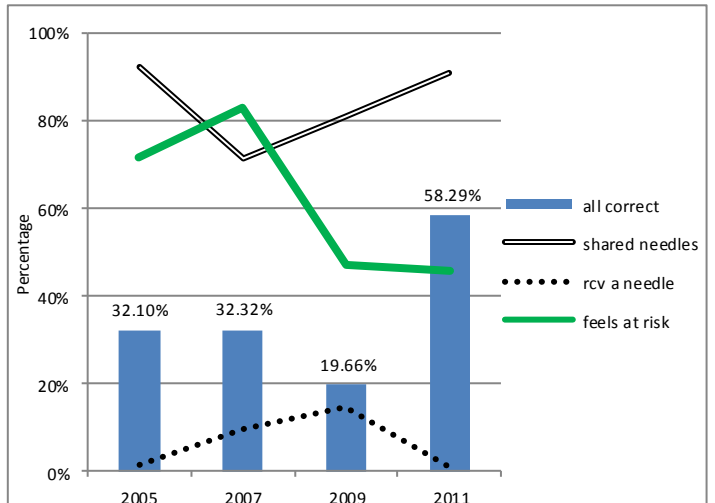
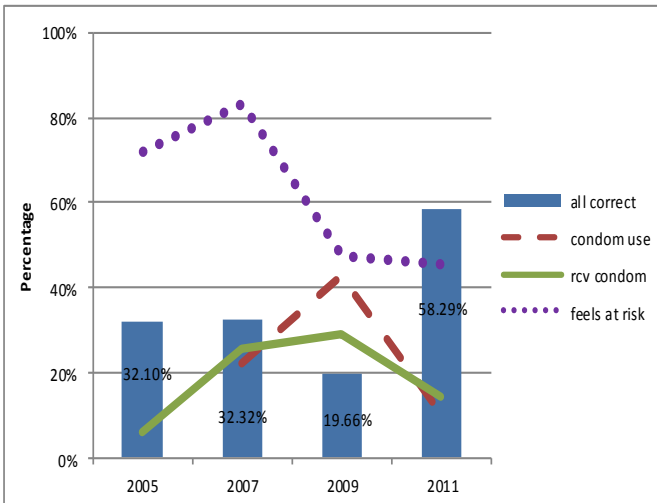
Sexual Risk

Risk form Sharing Needles

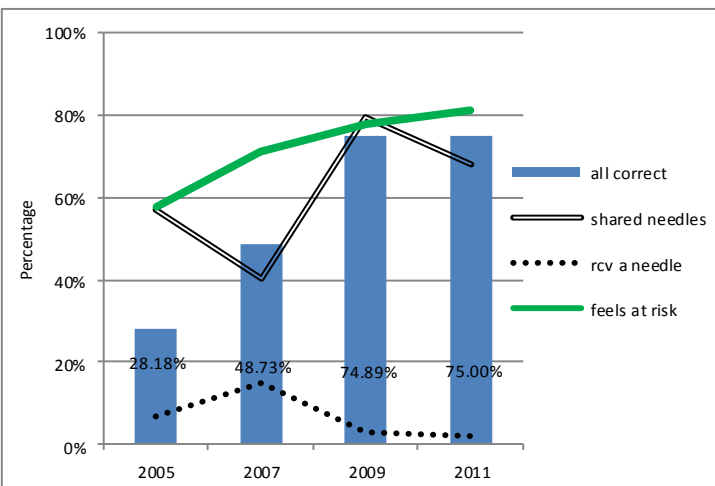
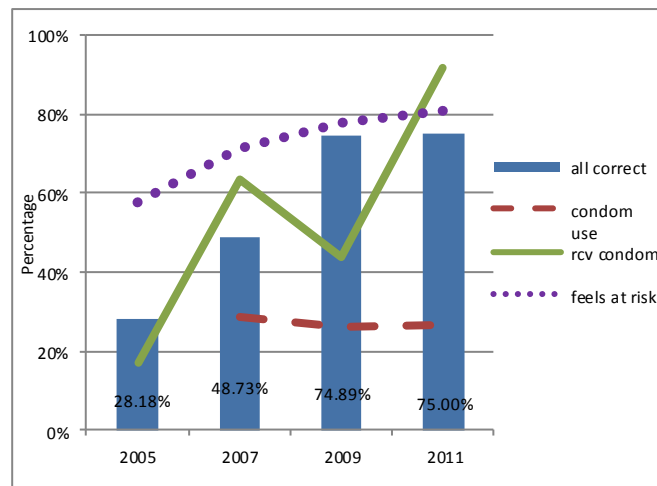
Cebu



General Santos



Zamboanga



Legend: All correct: All 5 HIV knowledge questions answered correctly. Condom use: Used a condom during last sex. Rcv condom: Received a free condom from SHC and NGO in the past 12 months. Shared needles: Shared needle during last injection. Rcv a needle: Received a free syringe & needle in the past 12 months. Feels at risk: Feels he is at risk to get infected with HIV.



PREVALENCE

Fig 31. Hepatitis C Prevalence

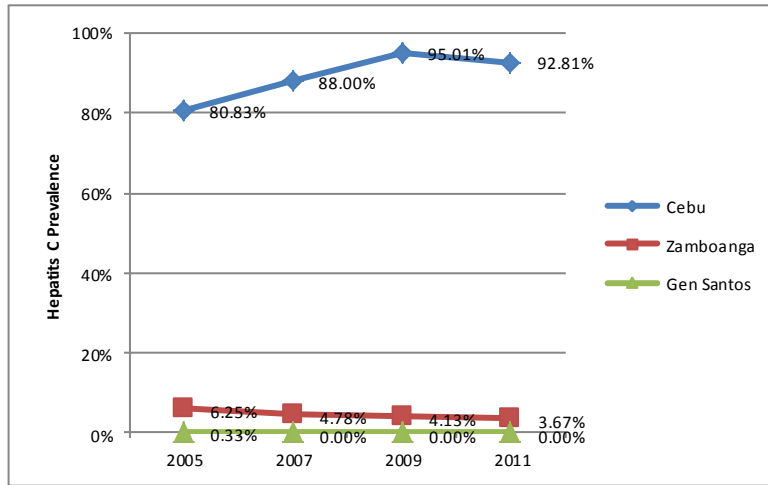
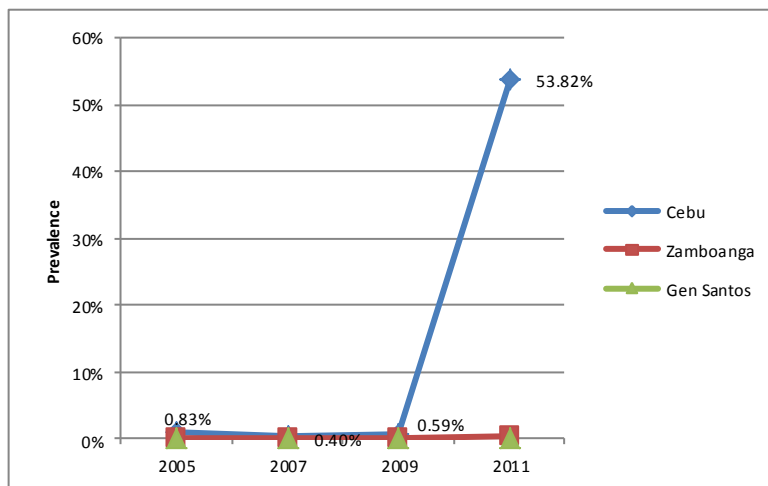


Fig 32. HIV Prevalence



# Geographical Area Analysis

- Philippines
- National Capital Region
- Site Specific



**Philippines**

# Philippines

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)** , 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	4603	4931
Age Range (Median)	15-58 (23)	16-54 (24)
15 to 17 years old	7%	<1%
18 to 24 years old	52%	57%
25 years and older	42%	43%

	CIVIL STATUS	
	FFSW	RFSW
Single	80%	87%
Married	12%	7%
Separated/Widower	8%	6%
Presently living with a partner	50%	42%

	EDUCATION	
	FFSW	RFSW
No grade completed	6%	2%
Elementary	34%	24%
High School	53%	62%
Vocational/ College/ Post Graduate	7%	12%

	OTHERS	
	FFSW	RFSW
With Children	63%	62%
Student	5%	4%
New resident of the city	19%	24%

### Work Profile

WORK PROFILE	
FFSW only	48%
RFSW Only	35%
FFSW who works in an establishment	4%
RFSW who works in cruising sites	13%

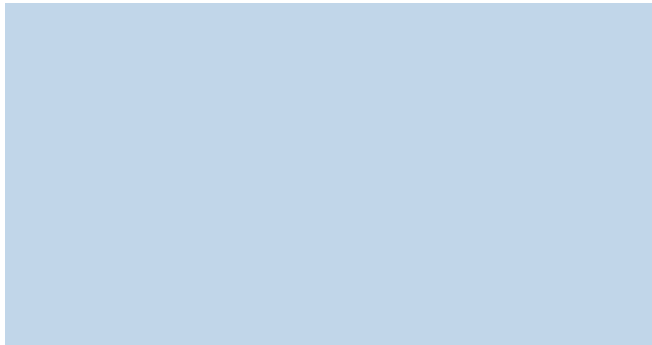
	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	44%	39%
Selected times of the year	31%	29%
As the need arose	25%	32%
Number of times worked as a sex worker in the past week (mean)	1-7 (4)	1-7 (3)

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	3-37 (17)	6-37 (18)
Age first accepted payment for sex	7-51 (19)	13-44 (20)
Age of first condom use	8-51 (19)	12-42 (20)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-90 (11)	1-90 (7)
Returning client (past month)	1-80 (3)	1-40 (3)
Permanent non-paying partner (past month)	1-29 (1)	1-16 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	12%	39%	19%	25%	24%	27%	21%	26%
Condom use last sex with client	50%	65%	57%	72%	57%	72%	56%	72%
Number of sex acts with returning client in a month (mean)	1-90 (6)	1-10 (3)	1-121 (4)	1-64 (3)	1-30 (4)	1-30 (3)	1-121 (4)	1-64 (3)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	14%	7%
Cannot afford to buy condoms	<1%	<1%
Partner objected	30%	33%
Do not know how to use condom	3%	1%
Doesn't like condom	38%	39%
Not necessary	13%	17%
Forgot to use condom	2%	2%

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	47%	52%	55%	54%	57%	55%	77%	55%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	53%	48%	44%	46%	43%	44%	22%	45%
<i>No response</i>	-	-	<1%	<1%	<1%	<1%	1%	<1%

Condom use last sex with non-paying partner	14%	42%	18%	22%	17%	21%	17%	21%
Number of sex acts with permanent partner in a month (mean)	1-30 (5)	1-10 (3)	1-99 (7)	1-60 (7)	1-35 (6)	1-80 (7)	1-99 (6)	1-80 (7)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	22%	13%	20%	11%	19%	9%	19%	10%
<i>Did not use drugs in the past 12 months</i>	4%	4%	9%	8%	11%	14%	9%	10%
<i>Never used drugs</i>	74%	83%	72%	82%	70%	77%	71%	80%

Injected drugs in the past 12 months	1%	-	3%	-	3%	-	3%	-
<i>Did not inject drugs in the past 12 months</i>	7%	-	5%	1%	4%	2%	5%	1%
<i>Never injected drugs</i>	92%	100%	92%	99%	94%	98%	93%	99%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	67%	95%	75%	86%	79%	86%	76%	86%
Having only one faithful uninfected partner	63%	77%	71%	82%	74%	83%	72%	82%
Using condoms reduces the risk for HIV	64%	82%	77%	90%	80%	91%	77%	91%
A person can get HIV from mosquitoes	62%	76%	59%	81%	61%	81%	60%	81%
A person can get HIV in toilet bowls	53%	59%	51%	77%	58%	84%	54%	80%
Correct on all 5 knowledge questions	19%	43%	22%	49%	28%	53%	24%	51%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	35%	78%
Received free condoms in the past 12 months (SHC,NGO)	44%	82%
Approached to talk about IDU past 12 months	29%	68%
SHC reach in the past 12 months	43%	89%
Visited or consulted SHC/CHO in the past 12 months	16%	75%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	64%	58%
Knows where to get tested for HIV	56%	84%
Ever tested for HIV	25%	50%
% of FSW who had an HIV test in the past 12 months and got results	5%	26%
% who got results of those who had an HIV test in the past 12 months	71%	86%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.43%	0.12%
Syphilis	1.80%	0.36%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	10%	13%
Accessed SHC STI services (past 12 months)	48%	93%
Had vaginal smear at the SHC (past 12 months)	28%	81%
Condoms are easy to get in the community	83%	83%
Buys own condom	59%	55%
Last HIV test was in SHC	76%	84%

# Philippines

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	5,353
Age Range (Median)	15-77 (23)
15 to 17 years old	13%
18 to 24 years old	49%
25 years and older	39%

EDUCATION	
No grade completed	1%
Elementary	16%
High School	54%
Vocational/ College/ Post Graduate	28%

CIVIL STATUS	
Single	94%
Married	6%
Separated/Widower	1%

Presently living with a partner	22%
---------------------------------	-----

OTHERS	
With Children	13%
Student	16%
New resident of the city	7%
Member of a social networking website	21%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	4-46 (16)
Age of first sex with another male	2-46 (16)
Age first accepted payment for sex	6-50 (18)
Age first bought sex	11-50 (19)
Age of first condom use	6-45 (18)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-987 (10)
Non-paying male partner (past month)	1-99 (3)
One time sex partner (past month)	1-40 (2)
More than one time sex partner (past month)	1-62 (2)
Clients (past 12 months)	1-360 (9)
Clients (past month)	1-50 (3)
Sex workers (past 12 months)	1-999 (8)
Sex workers (past month)	1-100 (3)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	36%	28%	26%	28%
Anal receiver only	22%	21%	22%	21%
Anal inserter only	30%	25%	18%	23%
Both anal receiver and inserter	12%	25%	35%	27%

Had anal sex in the past 12 months	58%	64%	64%	63%
Have had anal sex but <b>NOT</b> in the past 12 months	4%	6%	8%	7%
Never had anal sex	38%	30%	28%	30%

Used a condom during last anal sex in the past 12 months	24%	35%	39%	35%
Reason for not using a condom during last anal sex				
Condom not available	52%	47%	38%	44%
Cannot afford to buy condoms	1%	1%	1%	1%
Partner objected	7%	9%	13%	10%
Do not know how to use condom	4%	2%	2%	3%
Doesn't like condom	24%	26%	27%	26%
Not necessary	8%	9%	11%	10%
Forgot to use a condom	2%	3%	3%	3%
Other responses	1%	3%	4%	3%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	9%	15%	18%	15%

Number of sex acts in a month with more than one time sex partner (mean)	1-28 (3)	1-99 (4)	1-50 (4)	1-99 (4)
--	----------	----------	----------	----------

Participated in an orgy in the past 12 months	6%	8%	8%	8%
<i>Did not participate in an orgy in the past 12 months</i>	11%	13%	16%	14%
<i>No response</i>	83%	79%	77%	79%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	31%	39%	29%	34%
<i>Did not have sex with a female in the past 12 months</i>	5%	9%	14%	10%
<i>No response</i>	63%	52%	57%	55%
Used a condom during last vaginal sex in the past 12 months	18%	25%	24%	24%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	55%	54%	39%	48%
<i>Accepted cash for sex but NOT in the past 12 months</i>	2%	1%	2%	2%
<i>Never accepted cash for sex</i>	43%	45%	59%	50%
Used a condom during last paying sex in the past 12 months	26%	38%	43%	38%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	9%	21%	40%	27%
<i>Was a client of sex workers but NOT in the past 12 months</i>	3%	4%	7%	5%
<i>Never been a client of a sex worker</i>	88%	75%	53%	68%
Used a condom during last paid sex in the past 12 months	42%	36%	35%	35%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	12%	15%	13%	14%
<i>Did not use drugs in the past 12 months</i>	5%	7%	14%	10%
<i>Never used drugs</i>	83%	78%	73%	76%

Injected drugs in the past 12 months	1%	1%	1%	1%
<i>Did not inject drugs in the past 12 months</i>	10%	14%	16%	15%
<i>Never injected drugs</i>	89%	85%	83%	84%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	68%	80%	86%	81%
Having only one faithful uninfected partner	73%	78%	82%	79%
Using condoms reduces the risk for HIV	80%	86%	89%	86%
A person cannot get HIV from mosquitoes	65%	68%	72%	70%
A person cannot get HIV in toilet bowls	67%	73%	78%	74%
Correct on all 5 knowledge questions	31%	40%	47%	42%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	26%
Received free condoms in the past 12 months (SHC, NGO)	31%
Received free lubricants in the past 12 months (SHC, NGO)	6%
SHC reach in the past 12 months	31%
Visited or consulted SHC/CHO in the past 12 months	14%

ACCESS	
Had STI in the past 12 months	5%
Accessed SHC STI services in the past 12 months	19%
Condoms are easy to get in the community	67%
Buys own condom	36%
Last HIV test was in SHC	61%

ATTITUDE	
Feels at risk for HIV	64%
Knows where to get tested for HIV	50%
Ever tested for HIV	15%
% of MSM who had an HIV test in the past 12 months and got results	5%
% who got results of those who had an HIV test in the past 12 months	79%
Knows SHC has male STI services	38%
Comfortable to go to SHC for HIV Testing	70%
Comfortable to go to SHC for STI Consultation	68%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	33%
Feels no need to get tested	29%
Don't know where to get tested	28%
Testing facility too far	1%
No money for testing	6%
Other reasons	4%

Prevalence

PREVALENCE	
HIV	1.68%
Syphilis	1.57%

# Philippines

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

**IHBSS Inclusion Criteria:** Male or female, 15 years and older, who injected drugs not prescribed by a physician, in the past 6 months.

### Injecting Drug Users

#### Demographic Profile

TOTAL SAMPLE	
1,283	

AGE	
Age Range (Median)	15-57 (23)
15 to 17 years old	5%
18 to 24 years old	51%
25 years and older	44%

EDUCATION	
No grade completed	11%
Elementary	38%
High School	40%
Vocational/ College/ Post Graduate	10%

CIVIL STATUS	
Single	79%
Married	18%
Separated/Widow(er)	2%

OTHERS	
Male	95%
Female	5%
With Children	30%
Student	12%
New resident of the city	1%
Presently living with a partner	35%
Partner is also an IDU	9%

#### Drug Use

AGE PROFILE (range, median)	
Age first used drugs	7-42 (16)
Age first injected drugs	10-46 (18)

NUMBER OF YEARS AS AN IDU	
Less than 1 year to 2 years	22%
3 to 5 years	34%
More than 5 years	44%

Injecting Behavior	15 to 17	18 to 24	25 older	Total
Injected in another city (past year)	43%	29%	16%	24%
Shared needles in another city (past year)	25%	15%	10%	13%
<i>Did not share needles in another city (past year)</i>	25%	16%	8%	13%
<i>No response</i>	51%	69%	81%	74%

Last injected drugs in a shooting gallery in the past 12 months	50%	37%	49%	43%
<i>Last injected drugs in a shooting gallery but NOT in the past 12 months</i>	6%	5%	2%	4%
<i>Did not inject in a shooting gallery during last injection</i>	44%	58%	49%	53%

Clean needle source	22%	36%	44%	39%
Safe cleaning practice	12%	20%	24%	21%
Threw used needle in a gallon or container	8%	11%	10%	10%

Shared needles during last injection	59%	61%	55%	58%
Number of visit in a shooting gallery per month (Cebu Province)	1-42 (5)			
Number of visit in a shooting gallery per month (Non-Cebu Province)	1-5 (2)			

Year	Frequency of Injection in a	15 to 17	18 to 24	25 older	Total
At least once a month		42%	45%	42%	43%
At least once a week		25%	25%	21%	23%
At least once a day		22%	16%	13%	15%
More than once a day		12%	15%	25%	19%



VENUE DURING LAST INJECTION	
Shooting Gallery in Kamagayan	31%
Shooting Gallery in Cebu but not in Kamagayan	6%
Tambayan in General Santos City	1%
Hideout in Zamboanga City	10%
Respondent's House	13%
House of another IDU	39%
Other places	1%

DRUGS USUALLY INJECTED	
Nalbuphine/Nubain	88%
Heroin	<1%
Shabu/Milkshake	12%
Other drugs	<1%

## Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	7-39 (16)
Age of first sex with another male	11-41 (18)
Age first accepted payment for sex	10-42 (18)
Age first bought sex	13-42 (20)
Age of first condom use	9-44 (18)

NUMBER OF SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-40 (3)
Non-paying female partner (past 12 months)	1-240 (10)
Paid partner/ Sex worker (past month)	1-10 (2)
Paying partners/ Client (past month)	1-222 (6)
MSM partner (past 12 months)	1-50 (3)

Non-paying Behavior	15 to 17	18 to 24	25 older	Total
Had sex with a non-paying partner in the past 12 months	66%	79%	82%	80%
<i>Had sex with a non-paying partner but <u>NOT</u> in the past 12 months</i>	14%	17%	16%	17%
<i>Never had a non-paying partner</i>	20%	4%	2%	4%
Used a condom last vaginal sex in the past 12 months	21%	25%	22%	23%

MSM Behavior	15 to 17	18 to 24	25 older	Total
Had anal sex in the past 12 months	19%	10%	7%	9%
<i>Have had anal sex but <u>NOT</u> in the past 12 months</i>	8%	8%	8%	8%
<i>Never had anal sex</i>	73%	82%	86%	83%
Used a condom last anal sex in the past 12 months	9%	26%	34%	27%

Sex worker Behavior	15 to 17	18 to 24	25 older	Total
Accepted cash for sex in the past 12 months	25%	19%	15%	17%
<i>Accepted cash for sex but <u>NOT</u> in the past 12 months</i>	2%	4%	4%	4%
<i>Never accepted cash for sex</i>	74%	77%	81%	79%
Used a condom last sex with a paying partner in the past 12 months	25%	29%	31%	29%

Client Behavior	15 to 17	18 to 24	25 older	Total
Was a client of sex workers in the past 12 months	3%	10%	21%	14%
<i>Was a client of sex workers but <u>NOT</u> in the past 12 months</i>	-	5%	15%	9%
<i>Never been a client of a sex worker</i>	97%	85%	65%	77%
Used a condom last paid sex in the past 12 months	50%	36%	52%	46%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 older	Total
Healthy looking person can have HIV	74%	78%	83%	80%
Having only one faithful uninfected partner	72%	73%	82%	77%
Using condoms reduces the risk for HIV	69%	80%	89%	83%
A person can get HIV from mosquitoes	74%	77%	79%	78%
A person can get HIV in toilet bowls	77%	77%	82%	79%
Sharing needles can increase risk for HIV	91%	88%	94%	91%
Correct on all 6 knowledge questions	31%	42%	59%	49%

HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	36%
Approached about injecting drug use in the past 12 months	42%
Received free needles in the past 12 months	11%
Taught how to clean needles in the past 12 months	31%
SHC reach in the past 12 months	31%

ACCESS	
Had STI in the past 12 months	5%
Accessed SHC STI services in the past 12 months	14%
Last HIV test was in SHC	89%

ATTITUDE	
Feels at risk for HIV	63%
Knows where to get tested for HIV	58%
Ever tested for HIV	12%
% of IDU who had an HIV test in the past 12 months and got results	5%
% who got results of those who had an HIV test in the past 12 months	58%
Knows SHC has male STI services	57%
Comfortable to go to SHC for HIV Testing	89%
Comfortable to go to SHC for STI Consultation	92%

Prevalence

PREVALENCE	
HIV	13.73%
Syphilis	1.89%
HCV	35.52%

HIV Prevalence per IHBSS Year	2005	2007	2009	2011
	0.28%	0.13%	0.21%	13.73%
<i>Total Sample</i>	<i>n = 720</i>	<i>n = 751</i>	<i>n = 958</i>	<i>n = 1,267</i>

## **National Capital Region (NCR)**

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, , who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)** , 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

AGE		
	FFSW	RFSW
Total Sample	1,647	1,935
Age Range (Median)	15-55 (24)	17-53 (23)
15 to 17 years old	6%	1%
18 to 24 years old	47%	60%
25 years and older	47%	39%

CIVIL STATUS		
	FFSW	RFSW
Single	75%	88%
Married	17%	7%
Separated/Widowed	9%	5%

Presently living with a partner	47%	41%
---------------------------------	-----	-----

EDUCATION		
	FFSW	RFSW
No grade completed	3%	1%
Elementary	25%	21%
High School	62%	65%
Vocational/ College/ Post Graduate	10%	13%

OTHERS		
	FFSW	RFSW
With Children	64%	59%
Student	5%	4%
New resident of the city	17%	24%

### Work Profile

WORK PROFILE	
FFSW only	31%
RFSW only	49%
FFSW who works in an establishment	14%
RFSW who works in cruising sites	5%

NUMBER OF TIMES IN A YEAR		
	FFSW	RFSW
All throughout the year	50%	39%
Selected times of the year	30%	31%
As the need arose	20%	30%

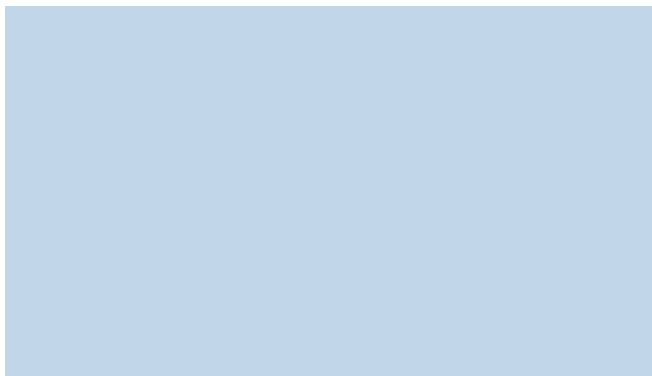
Number of times worked as a sex worker in the past week (mean)	1-7 (4)	1-7 (3)
--	---------	---------

### Sexual Behavior

AGE PROFILE (range, median)		
	FFSW	RFSW
Age of first sex	11-37 (17)	9-34 (18)
Age first accepted payment for sex	12-44 (20)	13-41(20)
Age of first condom use	13-46 (20)	12-42(20)

NUMBER OF MALE SEX PARTNERS (range, mean)		
	FFSW	RFSW
Clients (past month)	1-60 (10)	1-90 (6)
Returning client (past month)	1-80 (3)	1-40 (2)
Permanent non-paying partner (past month)	1-29 (1)	1-16 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	10%	50%	18%	27%	26%	25%	21%	26%
Condom use last sex with client	49%	70%	59%	72%	63%	68%	60%	70%
Number of sex acts with returning client in a month (mean)	1-15 (3)	2-4 (3)	1-20 (3)	1-24 (3)	1-20 (3)	1-25 (3)	1-20 (3)	1-25 (3)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	17%	9%
Cannot afford to buy condoms	1%	<1%
Partner objected	30%	29%
Do not know how to use condom	2%	2%
Doesn't like condom	33%	48%
Not necessary	15%	10%
Forgot to use condom	2%	2%
Other responses	1%	1%

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	30%	100%	53%	60%	59%	59%	54%	60%
<i>Did not have sex with a non-paying partner</i>	70%	-	46%	39%	41%	41%	45%	40%
<i>No response</i>	-	-	<1%	1%	<1%	-	<1%	<1%

Condom use last sex with non-paying partner	9%	40%	21%	22%	20%	18%	20%	21%
Number of sex acts with permanent partner in a month (mean)	1-19 (5)	1-10 (4)	1-50 (6)	1-50 (6)	1-31 (6)	1-50 (6)	1-50 (6)	1-50 (6)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	14%	-	8%	6%	13%	5%	11%	6%
Did not use drugs in the past 12 months	1%	-	6%	4%	7%	8%	6%	6%
No response	85%	100%	86%	89%	80%	87%	83%	88%

Injected drugs in the past 12 months	6%	-	-	-	1%	-	1%	-
Did not inject drugs in the past 12 months	-	-	5%	2%	3%	4%	4%	3%
No response	94%	-	95%	98%	96%	96%	96%	97%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	62%	100%	78%	90%	82%	91%	79%	90%
Having only one faithful uninfected partner	65%	67%	75%	82%	79%	86%	76%	84%
Using condoms reduces the risk for HIV	72%	78%	81%	90%	84%	92%	82%	91%
A person can get HIV from mosquitoes	69%	88%	62%	79%	63%	77%	63%	78%
A person can get HIV in toilet bowls	48%	56%	51%	70%	57%	80%	54%	74%
Correct on all 5 knowledge questions	27%	38%	30%	48%	34%	54%	32%	50%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	29%	69%
Received free condoms in the past 12 months (SHC,NGO)	32%	78%
Approached to talk about IDU past 12 months	21%	58%
SHC reach in the past 12 months	35%	84%
Visited or consulted SHC/CHO in the past 12 months	8%	53%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	62%	54%
Knows where to get tested for HIV	58%	79%
Ever tested for HIV	20%	37%
% of FSW who had an HIV test in the past 12 months and got results	7%	18%
% who got results of those who had an HIV test in the past 12 months	74%	78%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.06%	0.20%
Syphilis	0.67%	0.41%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	8%	8%
Accessed SHC STI services (past 12 months)	25%	82%
Had vaginal smear at the SHC (past 12 months)	16%	68%
Condoms are easy to get in the community	80%	81%
Buys own condom	56%	48%
Last HIV test was in SHC	56%	77%

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	2,389
Age Range (Median)	15-77 (24)
15 to 17 years old	10%
18 to 24 years old	45%
25 years and older	45%

CIVIL STATUS	
Single	91%
Married	8%
Separated/Widower	1%

Presently living with a partner	25%
---------------------------------	-----

EDUCATION	
No grade completed	1%
Elementary	17%
High School	56%
Vocational/ College/ Post Graduate	26%

OTHERS	
With Children	17%
Student	12%
New resident of the city	7%
Member of a social networking website	22%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	4-46 (16)
Age of first sex with another male	2-46 (17)
Age first accepted payment for sex	6-40 (18)
Age first bought sex	11-50 (20)
Age of first condom use	6-41 (19)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-150 (10)
Non-paying male partner (past month)	1-30 (3)
One time sex partner (past month)	1-30 (2)
More than one time sex partner (past month)	1-30 (2)
Clients (past 12 months)	1-84 (9)
Clients (past month)	1-40 (3)
Sex workers (past 12 months)	1-120 (8)
Sex workers (past month)	1-100 (3)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	49%	37%	32%	36%
Anal receiver only	18%	15%	16%	16%
Anal inserter only	17%	19%	18%	18%
Both anal receiver and inserter	16%	29%	35%	30%

Had anal sex in the past 12 months	44%	54%	59%	55%
Have had anal sex but <b>NOT</b> in the past 12 months	6%	7%	8%	7%
Never had anal sex	49%	38%	33%	37%

Used a condom during last anal sex in the past 12 months	23%	37%	39%	37%
Reason for not using a condom during last anal sex				
<i>Condom not available</i>	43%	42%	39%	41%
<i>Cannot afford to buy condoms</i>	3%	<1%	2%	1%
<i>Partner objected</i>	12%	11%	16%	13%
<i>Do not know how to use condom</i>	7%	4%	3%	4%
<i>Doesn't like condom</i>	25%	28%	25%	26%
<i>Not necessary</i>	7%	9%	9%	9%
<i>Forgot to use a condom</i>	1%	4%	2%	3%
<i>Other responses</i>	1%	3%	4%	3%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	7%	13%	15%	13%

Number of sex acts in a month with more than one time sex partner (mean)	1-28 (4)	1-28 (4)	1-30 (3)	1-30 (4)
--	----------	----------	----------	----------

Participated in an orgy in the past 12 months	6%	6%	8%	7%
<i>Did not participate in an orgy in the past 12 months</i>	12%	13%	14%	14%
<i>No response</i>	82%	80%	78%	80%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	32%	37%	31%	34%
<i>Did not have sex with a female in the past 12 months</i>	6%	9%	16%	12%
<i>No response</i>	62%	54%	54%	54%
Used a condom during last vaginal sex in the past 12 months	14%	26%	20%	23%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	46%	51%	41%	46%
<i>Accepted cash for sex but NOT in the past 12 months</i>	2%	2%	2%	2%
<i>Never accepted cash for sex</i>	52%	47%	57%	52%
Used a condom during last paying sex in the past 12 months	17%	43%	47%	42%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	8%	17%	34%	24%
<i>Was a client of sex workers but NOT in the past 12 months</i>	5%	4%	6%	5%
<i>Never been a client of a sex worker</i>	87%	79%	59%	71%
Used a condom during last paid sex in the past 12 months	29%	27%	27%	27%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	4%	7%	12%	9%
<i>Did not use drugs in the past 12 months</i>	1%	9%	7%	8%
<i>Never used drugs</i>	95%	84%	81%	84%

Injected drugs in the past 12 months	-	-	<1%	<1%
<i>&lt;1% Did not inject drugs in the past 12 months</i>	18%	22%	24%	23%
<i>Never injected drugs</i>	82%	78%	76%	77%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	64%	84%	91%	85%
Having only one faithful uninfected partner	73%	80%	82%	80%
Using condoms reduces the risk for HIV	77%	87%	90%	87%
A person cannot get HIV from mosquitoes	64%	73%	77%	74%
A person cannot get HIV in toilet bowls	62%	72%	80%	75%
Correct on all 5 knowledge questions	27%	45%	52%	47%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	15%
Received free condoms in the past 12 months (SHC, NGO)	21%
Received free lubricants in the past 12 months (SHC, NGO)	5%
SHC reach in the past 12 months	23%
Visited or consulted SHC/CHO in the past 12 months	7%

ACCESS	
Had STI in the past 12 months	3%
Accessed SHC STI services in the past 12 months	11%
Condoms are easy to get in the community	67%
Buys own condom	34%
Last HIV test was in SHC	49%



ATTITUDE	
Feels at risk for HIV	64%
Knows where to get tested for HIV	41%
Ever tested for HIV	12%
% of MSM who had an HIV test in the past 12 months and got results	4%
% who got results of those who had an HIV test in the past 12 months	80%
Knows SHC has male STI services	22%
Comfortable to go to SHC for HIV Testing	60%
Comfortable to go to SHC for STI Consultation	58%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	34%
Feels no need to get tested	29%
Don't know where to get tested	25%
Testing facility too far	2%
No money for testing	7%
Other reasons	3%

Prevalence

PREVALENCE	
HIV	1.90%
Syphilis	1.32%

**Site Specific**

# Angeles City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	300	300
Age Range (Median)	16-51 (23)	17-38 (23)
15 to 17 years old	3%	<1%
18 to 24 years old	56%	64%
25 years and older	41%	36%

	EDUCATION	
	FFSW	RFSW
No grade completed	1%	1%
Elementary	18%	9%
High School	74%	77%
Vocational/ College/ Post Graduate	8%	13%

### Work Profile

WORK PROFILE	
FFSW only	20%
RFSW Only	50%
FFSW who works in an establishment	30%
RFSW who works in cruising sites	-

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	13-37 (17)	12-28 (18)
Age first accepted payment for sex	13-48 (20)	15-36 (20)
Age of first condom use	14-40 (19)	15-36 (20)

### CIVIL STATUS

	FFSW	RFSW
Single	75%	94%
Married	15%	3%
Separated/Widowed	11%	2%

Presently living with a partner	73%	22%
---------------------------------	-----	-----

### OTHERS

	FFSW	RFSW
With Children	72%	56%
Student	1%	4%
New resident of the city	22%	39%

### NUMBER OF TIMES IN A YEAR

	FFSW	RFSW
All throughout the year	73%	34%
Selected times of the year	22%	10%
As the need arose	5%	56%

Number of times worked as a sex worker in the past week (mean)	2-7 (6)	1-7 (3)
--	---------	---------

### NUMBER OF MALE SEX PARTNERS (range, mean)

	FFSW	RFSW
Clients (past month)	4-80 (17)	1-30 (6)
Returning client (past month)	1-20 (5)	1-13 (2)
Permanent non-paying partner (past month)	1-5 (1)	1

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	-	-	11%	39%	13%	35%	11%	38%
Condom use last sex with client	56%	100%	67%	75%	52%	75%	60%	75%
Number of sex acts with returning client in a month (mean)	5-18 (9)	-	1-30 (10)	1-21 (5)	1-30 (9)	1-20 (6)	1-30 (9)	1-21 (5)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	13%	5%
Cannot afford to buy condoms	-	-
Partner objected	12%	55%
Do not know how to use condom	1%	-
Doesn't like condom	70%	20%
Not necessary	1%	3%
Forgot to use condom	2%	15%
Other responses	1%	1%

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	56%	-	79%	34%	77%	39%	77%	35%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	44%	100%	20%	66%	23%	61%	22%	64%
<i>No response</i>	-	-	1%	1%	1%	-	1%	<1%

Condom use last sex with non-paying partner	-	-	17%	19%	13%	26%	15%	22%
Number of sex acts with permanent partner in a month (mean)	4-15 (8)	-	1-30 (8)	1-30 (8)	2-25 (7)	2-15 (5)	1-30 (7)	1-30 (7)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	11%	-	11%	5%	24%	5%	17%	5%
<i>Did not use drugs in the past 12 months</i>	-	-	1%	6%	2%	9%	1%	7%
<i>Never used drugs</i>	89%	100%	88%	88%	73%	86%	82%	88%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	100%	-	-	-	6%	-	5%	-
<i>Never injected drugs</i>	-	-	100%	100%	94%	100%	95%	100%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	56%	100%	82%	96%	77%	97%	79%	96%
Having only one faithful uninfected partner	56%	100%	75%	93%	81%	96%	77%	94%
Using condoms reduces the risk for HIV	56%	100%	79%	95%	74%	93%	76%	94%
A person can get HIV from mosquitoes	67%	100%	74%	90%	72%	91%	73%	90%
A person can get HIV in toilet bowls	67%	100%	46%	88%	61%	92%	53%	90%
Correct on all 5 knowledge questions	11%	100%	24%	76%	27%	79%	25%	77%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	16%	99%
Received free condoms in the past 12 months (SHC,NGO)	22%	74%
Approached to talk about IDU past 12 months	8%	69%
SHC reach in the past 12 months	24%	99%
Visited or consulted SHC/CHO in the past 12 months	4%	97%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	80%	72%
Knows where to get tested for HIV	67%	89%
Ever tested for HIV	19%	24%
% of FSW who had an HIV test in the past 12 months and got results	3%	6%
% who got results of those who had an HIV test in the past 12 months	26%	63%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.00%	0.33%
Syphilis	3.00%	0.00%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	4%	11%
Accessed SHC STI services (past 12 months)	26%	100%
Had vaginal smear at the SHC (past 12 months)	4%	97%
Condoms are easy to get in the community	82%	99%
Buys own condom	87%	33%
Last HIV test was in SHC	85%	77%

# Angeles City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	300
Age Range (Median)	15-57 (23)
15 to 17 years old	4%
18 to 24 years old	56%
25 years and older	40%

CIVIL STATUS	
Single	88%
Married	9%
Separated/Widower	2%

Presently living with a partner	27%
---------------------------------	-----

EDUCATION	
No grade completed	-
Elementary	5%
High School	62%
Vocational/ College/ Post Graduate	33%

OTHERS	
With Children	22%
Student	5%
New resident of the city	10%
Member of a social networking website	15%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	6-28 (16)
Age of first sex with another male	6-25 (17)
Age first accepted payment for sex	12-28 (18)
Age first bought sex	13-28 (18)
Age of first condom use	12-30 (18)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-80 (11)
Non-paying male partner (past month)	1-8 (2)
One time sex partner (past month)	1-6 (1)
More than one time sex partner (past month)	1-5 (2)
Clients (past 12 months)	1-90 (21)
Clients (past month)	1-20 (3)
Sex workers (past 12 months)	1-35 (8)
Sex workers (past month)	1-30 (2)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	46%	39%	34%	37%
Anal receiver only	8%	24%	28%	25%
Anal inserter only	46%	30%	27%	29%
Both anal receiver and inserter	-	7%	12%	9%

Had anal sex in the past 12 months	54%	59%	62%	60%
Have had anal sex but <b>NOT</b> in the past 12 months	-	2%	3%	2%
Never had anal sex	46%	39%	34%	37%

Used a condom during last anal sex in the past 12 months	57%	68%	67%	67%
Reason for not using a condom during last anal sex				
Condom not available	33%	53%	52%	52%
Cannot afford to buy condoms	-	-	-	-
Partner objected	-	9%	4%	6%
Do not know how to use condom	-	-	-	-
Doesn't like condom	-	12%	11%	11%
Not necessary	67%	15%	26%	22%
Forgot to use a condom	-	9%	7%	8%
Other responses	-	3%	-	2%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	-	14%	14%	13%

Number of sex acts in a month with more than one time sex partner (mean)	2-14 (3)	1-27 (3)	1-10 (3)	1-27 (3)
--	----------	----------	----------	----------

Participated in an orgy in the past 12 months	-	2%	1%	1%
<i>Did not participate in an orgy in the past 12 months</i>	-	9%	22%	14%
<i>No response</i>	100%	89%	78%	85%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	62%	58%	58%	58%
<i>Did not have sex with a female in the past 12 months</i>	8%	4%	6%	5%
<i>No response</i>	31%	38%	36%	37%
Used a condom during last vaginal sex in the past 12 months	38%	40%	36%	38%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	54%	67%	58%	63%
<i>Accepted cash for sex but NOT in the past 12 months</i>	8%	1%	1%	1%
<i>Never accepted cash for sex</i>	38%	32%	41%	36%
Used a condom during last paying sex in the past 12 months	100%	71%	68%	71%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	8%	29%	35%	30%
<i>Was a client of sex workers but NOT in the past 12 months</i>	-	1%	3%	1%
<i>Never been a client of a sex worker</i>	92%	71%	62%	68%
Used a condom during last paid sex in the past 12 months	-	67%	84%	74%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	-	2%	2%	2%
<i>Did not use drugs in the past 12 months</i>	-	2%	13%	6%
<i>Never used drugs</i>	100%	96%	85%	92%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	8%	14%	12%
<i>Never injected drugs</i>	100%	92%	86%	88%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	31%	77%	82%	77%
Having only one faithful uninfected partner	77%	87%	90%	88%
Using condoms reduces the risk for HIV	100%	89%	89%	90%
A person cannot get HIV from mosquitoes	77%	63%	63%	64%
A person cannot get HIV in toilet bowls	77%	74%	71%	73%
Correct on all 5 knowledge questions	17%	40%	41%	40%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	38%
Received free condoms in the past 12 months (SHC, NGO)	46%
Received free lubricants in the past 12 months (SHC, NGO)	10%
SHC reach in the past 12 months	50%
Visited or consulted SHC/CHO in the past 12 months	27%

ACCESS	
Had STI in the past 12 months	3%
Accessed SHC STI services in the past 12 months	31%
Condoms are easy to get in the community	82%
Buys own condom	47%
Last HIV test was in SHC	55%

ATTITUDE	
Feels at risk for HIV	74%
Knows where to get tested for HIV	69%
Ever tested for HIV	14%
% of MSM who had an HIV test in the past 12 months and got results	5%
% who got results of those who had an HIV test in the past 12 months	61%
Knows SHC has male STI services	50%
Comfortable to go to SHC for HIV Testing	62%
Comfortable to go to SHC for STI Consultation	61%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	50%
Feels no need to get tested	35%
Don't know where to get tested	7%
Testing facility too far	-
No money for testing	7%
Other reasons	1%

Prevalence

PREVALENCE	
HIV	2.00%
Syphilis	1.00%



# Angeles City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Occupational Cohort of Men** Born male, 15 years and older, who paid a female in exchange for sex in the past 12 months

### Occupational Cohort of Men (Tricycle Drivers)

#### Demographic Profile

AGE	
Total Sample	299
Age Range (Median)	15-66 (34)
15 to 17 years old	4 (1%)
18 to 24 years old	45 (15%)
25 years and older	250 (84%)

EDUCATION	
No grade completed	1 (<1%)
Elementary	20 (7%)
High School	210 (70%)
Vocational/ College/ Post Graduate	68 (23%)

CIVIL STATUS	
Single	99 (33%)
Married	196 (66%)
Separated/Widower	4 (1%)
Presently living with a partner	229 (79%)

OTHERS	
With Children	222 (74%)
Student	3 (1%)
New resident of the city	3 (1%)

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	13-49 (18)
Age first bought sex	13-58 (20)
Age of first condom use	14-55 (21)

NUMBER OF SEX PARTNERS (range, mean)	
Paid female sex partner (past 12 months)	1-25 (1)
Paid female sex partner (past month)	0-3 (1)
Permanent non-paying female sex partner (past month)	0-3 (1)

Frequency of having sex with a paid female partner	15 to 17	18 to 24	25 & older	Total
Once a week	-	3 (7%)	24 (10%)	27 (9%)
Twice a month	-	10 (22%)	27 (11%)	37 (12%)
Once a month	1 (25%)	22 (49%)	134 (54%)	157 (53%)
Once in 3 months	-	1 (2%)	10 (4%)	11 (4%)
Twice a year	1 (25%)	2 (4%)	9 (4%)	12 (4%)
Once a year	2 (50%)	6 (13%)	33 (13%)	41 (14%)
Others	-	1 (2%)	12 (5%)	13 (4%)

Sexual Practice	15 to 17	18 to 24	25 & older	Total
Had sex with non-paid female partner in the past 12 months	4 (100%)	35 (78%)	234 (94%)	273 (91%)
<b>Condom Use</b>				
Condom use last sex with non-paid female partner	2 (50%)	10 (32%)	66 (29%)	78 (30%)
Condom use last sex with paid female partner	2 (50%)	30 (67%)	167 (67%)	199 (67%)
<b>Reasons for not using condom during last sex with paid female partner</b>				
Condom not available	1 (50%)	8 (53%)	33 (40%)	42 (42%)
Condoms are expensive	-	-	-	-
Partner objected	-	-	2 (2%)	2 (2%)
Does not know how to use condom	-	-	2 (2%)	2 (2%)
Does not like condoms	-	6 (40%)	29 (35%)	35 (35%)
Not necessary	1 (50%)	1 (7%)	14 (17%)	16 (16%)
Forgot to put on condom	-	-	2 (2%)	2 (2%)
Other reasons	-	-	1 (1%)	1 (1%)

Drug use	Drug Use	15 to 17	18 to 24	25 & older	Total
	Used drugs in the past 12 months	-	-	8 (3%)	8 (3%)
	<i>Did not use drugs in the past 12 months</i>	-	5 (11%)	48 (19%)	53 (18%)
	<i>No response</i>	4 (100%)	40 (89%)	194 (78%)	238 (80%)

Knowledge	Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
	Healthy looking person can have HIV	4 (100%)	31 (69%)	176 (71%)	211 (71%)
	Having only one faithful uninfected partner	3 (75%)	31 (69%)	154 (62%)	188 (63%)
	Using condoms reduces the risk for HIV	4 (100%)	40 (89%)	218 (88%)	262 (88%)
	A person can get HIV from mosquitoes	1 (25%)	25 (56%)	161 (64%)	187 (63%)
	A person can get HIV in toilet bowls	3 (75%)	28 (62%)	182 (73%)	213 (71%)
	Correct on all 5 knowledge questions	-	4 (9%)	38 (15%)	42 (14%)

HIV Intervention	EXPOSURE	
	Attended HIV Seminar in the past 12 months (SHC, NGO)	13 (4%)
	Received free condoms in the past 12 months (SHC, NGO)	19 (6%)
	Approached to talk about IDU (past 12 months)	9 (3%)
	SHC reach	8 (3%)
	Visited or consulted SHC/CHO in the past 12 months	6 (2%)

ACCESS	
Recently with STI (past 12 months)	5 (2%)
Accessed SHC STI services (past 12 months)	7 (2%)
Condoms are easy to get in the community	251 (85%)
Buys own condom	140 (47%)

ATTITUDE	
Feels at risk for HIV	126 (42%)
Knows where to get tested for HIV	163 (55%)
Ever tested for HIV	4 (1%)
% of OCM who had an HIV test in the past 12 months and got results	2 (1%)

Prevalence	PREVALENCE	
	HIV	-
Syphilis	1 (<1%)	

# Bacolod City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	302	300
Age Range (Median)	16-47 (22)	16-49 (24)
15 to 17 years old	4%	1%
18 to 24 years old	56%	50%
25 years and older	40%	49%

	EDUCATION	
	FFSW	RFSW
No grade completed	7%	2%
Elementary	55%	17%
High School	34%	64%
Vocational/ College/ Post Graduate	4%	17%

### Work Profile

WORK PROFILE	
FFSW only	29%
RFSW Only	38%
FFSW who works in an establishment	21%
RFSW who works in cruising sites	12%

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	5-30 (17)	13-33 (18)
Age first accepted payment for sex	12-38 (20)	13-31 (20)
Age of first condom use	12-35 (19)	13-34 (20)

### CIVIL STATUS

	FFSW	RFSW
Single	88%	71%
Married	8%	23%
Separated/Widowed	5%	6%

Presently living with a partner	64%	53%
---------------------------------	-----	-----

### OTHERS

	FFSW	RFSW
With Children	68%	65%
Student	3%	1%
New resident of the city	9%	13%

### NUMBER OF TIMES IN A YEAR

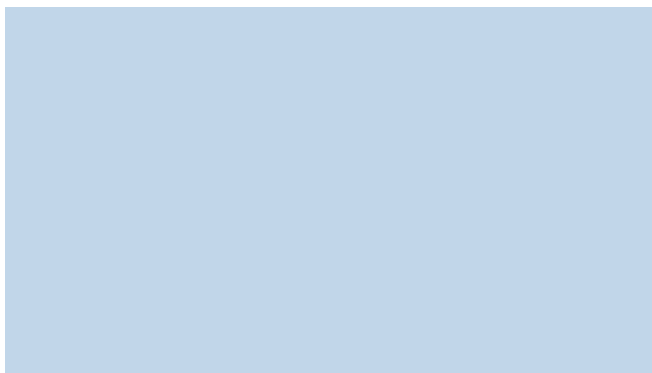
	FFSW	RFSW
All throughout the year	33%	6%
Selected times of the year	60%	66%
As the need arose	8%	28%

Number of times worked as a sex worker in the past week (mean)	1-7 (4)	1-7 (5)
--	---------	---------

### NUMBER OF MALE SEX PARTNERS (range, mean)

	FFSW	RFSW
Clients (past month)	1-90 (14)	1-30 (5)
Returning client (past month)	1-27(5)	1-10 (3)
Permanent non-paying partner (past month)	1-4 (1)	1-8 (2)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	15%	-	15%	14%	13%	14%	14%	14%
Condom use last sex with client	46%	67%	47%	71%	34%	78%	42%	74%
Number of sex acts with returning client in a month (mean)	1-7 (2)	2-10 (5)	1-25 (3)	1-12 (3)	1-20 (3)	1-10 (3)	1-25 (3)	1-12 (3)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	2%	3%
Cannot afford to buy condoms	1%	-
Partner objected	21%	7%
Do not know how to use condom	1%	3%
Doesn't like condom	57%	74%
Not necessary	16%	11%
Forgot to use a condom	1%	-
Other responses	1%	4%

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	54%	33%	71%	54%	74%	52%	72%	53%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	46%	67%	28%	46%	26%	48%	28%	47%
<i>No response</i>	-	-	1%	-	-	-	<1%	-

Condom use last sex with non-paying partner	25%	-	20%	31%	23%	51%	21%	40%
Number of sex acts with permanent partner in a month (mean)	1-30 (8)	3	1-60 (7)	1-25 (5)	1-30 (6)	1-15 (5)	1-60 (7)	1-25 (5)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	54%	-	39%	12%	34%	7%	38%	9%
<i>Did not use drugs in the past 12 months</i>	-	-	2%	5%	1%	12%	2%	8%
<i>Never used drugs</i>	46%	100%	58%	83%	65%	82%	60%	83%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	4%	-	2%	-	3%	-
<i>Never injected drugs</i>	100%	-	96%	100%	98%	100%	97%	100%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	69%	67%	77%	85%	83%	88%	79%	86%
Having only one faithful uninfected partner	62%	67%	58%	79%	56%	82%	57%	81%
Using condoms reduces the risk for HIV	54%	67%	66%	85%	73%	83%	68%	84%
A person can get HIV from mosquitoes	46%	-	43%	69%	45%	70%	44%	69%
A person can get HIV in toilet bowls	46%	-	34%	55%	45%	65%	39%	59%
Correct on all 5 knowledge questions	8%	-	7%	26%	10%	35%	8%	30%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	55%	69%
Received free condoms in the past 12 months (SHC,NGO)	56%	61%
Approached to talk about IDU past 12 months	39%	61%
SHC reach in the past 12 months	58%	79%
Visited or consulted SHC/CHO in the past 12 months	10%	56%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	30%	9%
Accessed SHC STI services (past 12 months)	58%	96%
Had vaginal smear at the SHC (past 12 months)	7%	56%
Condoms are easy to get in the community	82%	39%
Buys own condom	56%	50%
Last HIV test was in SHC	83%	86%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	78%	46%
Knows where to get tested for HIV	70%	97%
Ever tested for HIV	11%	22%
% of FSW who had an HIV test in the past 12 months and got results	5%	16%
% who got results of those who had an HIV test in the past 12 months	100%	100%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.00%	0.00%
Syphilis	2.96%	0.33%

# Bacolod City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	303
Age Range (Median)	15-53 (20)
15 to 17 years old	27%
18 to 24 years old	48%
25 years and older	25%

EDUCATION	
No grade completed	4%
Elementary	47%
High School	36%
Vocational/ College/ Post Graduate	14%

CIVIL STATUS	
Single	93%
Married	6%
Separated/Widower	1%

Presently living with a partner	27%
---------------------------------	-----

OTHERS	
With Children	14%
Student	21%
New resident of the city	4%
Member of a social networking website	28%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	7-31 (16)
Age of first sex with another male	7-35 (16)
Age first accepted payment for sex	12-32 (17)
Age first bought sex	14-33 (20)
Age of first condom use	12-35 (17)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-90 (7)
Non-paying male partner (past month)	1-62 (3)
One time sex partner (past month)	1-7 (2)
More than one time sex partner (past month)	1-62 (2)
Clients (past 12 months)	1-360 (14)
Clients (past month)	1-7 (2)
Sex workers (past 12 months)	1-60 (4)
Sex workers (past month)	1-91 (3)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	45%	31%	27%	34%
Anal receiver only	10%	6%	17%	10%
Anal inserter only	39%	44%	29%	39%
Both anal receiver and inserter	6%	19%	27%	17%

Had anal sex in the past 12 months	54%	66%	60%	61%
Have had anal sex but <b>NOT</b> in the past 12 months	2%	4%	11%	5%
Never had anal sex	44%	30%	29%	34%

Used a condom during last anal sex in the past 12 months	36%	30%	41%	34%
Reason for not using a condom during last anal sex				
Condom not available	72%	40%	45%	49%
Cannot afford to buy condoms	-	1%	-	1%
Partner objected	-	11%	-	6%
Do not know how to use condom	3%	-	-	1%
Doesn't like condom	25%	36%	52%	37%
Not necessary	-	1%	-	1%
Forgot to use a condom	-	8%	3%	5%
Other responses	-	1%	-	1%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	2%	8%	8%	7%

Number of sex acts in a month with more than one time sex partner (mean)	1-10 (2)	1-16 (3)	1-30 (2)	1-30 (2)
--	----------	----------	----------	----------

Participated in an orgy in the past 12 months	5%	10%	17%	11%
<i>Did not participate in an orgy in the past 12 months</i>	6%	8%	11%	8%
<i>No response</i>	89%	82%	72%	82%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	43%	52%	47%	49%
<i>Did not have sex with a female in the past 12 months</i>	9%	18%	16%	15%
<i>No response</i>	49%	30%	37%	37%
Used a condom during last vaginal sex in the past 12 months	25%	21%	18%	21%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	77%	70%	47%	66%
<i>Accepted cash for sex but NOT in the past 12 months</i>	1%	2%	-	1%
<i>Never accepted cash for sex</i>	22%	28%	53%	32%
Used a condom during last paying sex in the past 12 months	33%	33%	55%	37%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	1%	9%	31%	13%
<i>Was a client of sex workers but NOT in the past 12 months</i>	-	4%	7%	4%
<i>Never been a client of a sex worker</i>	99%	86%	63%	83%
Used a condom during last paid sex in the past 12 months	100%	25%	24%	27%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	26%	28%	24%	26%
<i>Did not use drugs in the past 12 months</i>	16%	15%	29%	19%
<i>Never used drugs</i>	59%	57%	47%	55%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	3%	3%	-	2%
<i>Never injected drugs</i>	97%	97%	100%	98%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	70%	74%	84%	75%
Having only one faithful uninfected partner	76%	78%	83%	79%
Using condoms reduces the risk for HIV	87%	81%	88%	84%
A person cannot get HIV from mosquitoes	79%	77%	79%	78%
A person cannot get HIV in toilet bowls	84%	78%	92%	83%
Correct on all 5 knowledge questions	50%	46%	59%	50%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	19%
Received free condoms in the past 12 months (SHC, NGO)	35%
Received free lubricants in the past 12 months (SHC, NGO)	3%
SHC reach in the past 12 months	31%
Visited or consulted SHC/CHO in the past 12 months	9%

ACCESS	
Had STI in the past 12 months	12%
Accessed SHC STI services in the past 12 months	11%
Condoms are easy to get in the community	52%
Buys own condom	36%
Last HIV test was in SHC	35%

ATTITUDE	
Feels at risk for HIV	78%
Knows where to get tested for HIV	78%
Ever tested for HIV	6%
% of MSM who had an HIV test in the past 12 months and got results	4%
% who got results of those who had an HIV test in the past 12 months	85%
Knows SHC has male STI services	58%
Comfortable to go to SHC for HIV Testing	92%
Comfortable to go to SHC for STI Consultation	91%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	13%
Feels no need to get tested	41%
Don't know where to get tested	26%
Testing facility too far	1%
No money for testing	18%
Other reasons	<1%

Prevalence

PREVALENCE	
HIV	0.99%
Syphilis	2.96%



# Baguio City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	299	300
Age Range (Median)	15-53 (22)	18-49 (25)
15 to 17 years old	3%	-
18 to 24 years old	64%	49%
25 years and older	33%	51%

	EDUCATION	
	FFSW	RFSW
No grade completed	<1%	2%
Elementary	17%	29%
High School	67%	65%
Vocational/ College/ Post Graduate	15%	4%

	CIVIL STATUS	
	FFSW	RFSW
Single	82%	91%
Married	9%	4%
Separated/Widowed	9%	5%

Presently living with a partner	46%	39%
---------------------------------	-----	-----

	OTHERS	
	FFSW	RFSW
With Children	46%	68%
Student	5%	1%
New resident of the city	44%	30%

### Work Profile

WORK PROFILE	
FFSW only	24%
RFSW only	50%
FFSW who works in an establishment	25%
RFSW who works in cruising sites	1%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	15%	56%
Selected times of the year	27%	23%
As the need arose	59%	21%

Number of times worked as a sex worker in the past week (mean)	1-7 (4)	1-7 (6)
--	---------	---------

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	9-32 (18)	13-37 (18)
Age first accepted payment for sex	14-51 (20)	15-39 (21)
Age of first condom use	14-51 (20)	15-39 (20)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-48 (6)	1-60 (11)
Returning client (past month)	1-16 (2)	1-30 (4)
Permanent non-paying partner (past month)	1-8 (1)	1-7 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	-	-	3%	6%	9%	11%	5%	9%
Condom use last sex with client	-	-	15%	68%	22%	61%	17%	65%
Number of sex acts with returning client in a month (mean)	1-5 (3)	-	1-15 (2)	1-21 (4)	1-16 (3)	1-14 (3)	1-16 (2)	1-21 (3)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	18%	5%
Cannot afford to buy condoms	-	-
Partner objected	36%	35%
Do not know how to use condom	7%	1%
Doesn't like condom	28%	25%
Not necessary	9%	25%
Forgot to use condom	2%	-
Other responses	-	8%

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	56%	-	54%	78%	54%	71%	54%	74%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	44%	-	46%	22%	46%	29%	46%	26%
<i>No response</i>	-	-	-	-	-	-	-	-

Condom use last sex with non-paying partner	-	-	8%	15%	6%	19%	7%	17%
Number of sex acts with permanent partner in a month (mean)	1-8 (5)	-	1-30 (4)	1-30 (8)	1-26 (5)	1-69 (8)	1-30 (4)	1-69 (8)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	11%	-	5%	4%	7%	3%	6%	4%
<i>Did not use drugs in the past 12 months</i>	-	-	3%	7%	8%	20%	5%	14%
<i>Never used drugs</i>	89%	-	92%	89%	85%	77%	89%	83%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	-	-	7%	-	3%	-
<i>Never injected drugs</i>	100%	-	100%	100%	93%	100%	97%	100%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	89%	-	72%	76%	75%	73%	73%	75%
Having only one faithful uninfected partner	89%	-	84%	93%	95%	96%	88%	95%
Using condoms reduces the risk for HIV	100%	-	76%	90%	84%	97%	80%	94%
A person can get HIV from mosquitoes	44%	-	38%	73%	35%	68%	37%	71%
A person can get HIV in toilet bowls	33%	-	27%	64%	29%	78%	28%	71%
Correct on all 5 knowledge questions	33%	-	7%	40%	11%	45%	9%	42%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	14%	91%
Received free condoms in the past 12 months (SHC,NGO)	15%	90%
Approached to talk about IDU past 12 months	8%	76%
SHC reach in the past 12 months	18%	92%
Visited or consulted SHC/CHO in the past 12 months	16%	85%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	58%	59%
Knows where to get tested for HIV	33%	93%
Ever tested for HIV	19%	87%
% of FSW who had an HIV test in the past 12 months and got results	8%	80%
% who got results of those who had an HIV test in the past 12 months	86%	96%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.00%	0.00%
Syphilis	0.00%	0.00%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	7%	13%
Accessed SHC STI services (past 12 months)	41%	100%
Had vaginal smear at the SHC (past 12 months)	27%	89%
Condoms are easy to get in the community	63%	84%
Buys own condom	27%	70%
Last HIV test was in SHC	77%	98%

# Baguio City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	300
Age Range (Median)	15-52 (26)
15 to 17 years old	1%
18 to 24 years old	43%
25 years and older	56%

EDUCATION	
No grade completed	-
Elementary	7%
High School	52%
Vocational/ College/ Post Graduate	41%

CIVIL STATUS	
Single	94%
Married	6%
Separated/Widower	<1%

Presently living with a partner	32%
---------------------------------	-----

OTHERS	
With Children	22%
Student	7%
New resident of the city	20%
Member of a social networking website	16%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	6-28 (16)
Age of first sex with another male	6-30 (17)
Age first accepted payment for sex	10-41 (18)
Age first bought sex	12-42 (20)
Age of first condom use	12-36 (19)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-987 (10)
Non-paying male partner (past month)	1-28 (2)
One time sex partner (past month)	1-28 (2)
More than one time sex partner (past month)	1-9 (2)
Clients (past 12 months)	1-25 (5)
Clients (past month)	1-9 (2)
Sex workers (past 12 months)	1-50 (5)
Sex workers (past month)	1-12 (2)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	50%	28%	17%	22%
Anal receiver only	50%	32%	41%	37%
Anal inserter only	-	17%	19%	17%
Both anal receiver and inserter	-	24%	23%	23%

Had anal sex in the past 12 months	50%	74%	71%	72%
Have had anal sex but <b>NOT</b> in the past 12 months	-	4%	8%	6%
Never had anal sex	50%	22%	20%	21%

Used a condom during last anal sex in the past 12 months	-	56%	50%	52%
Reason for not using a condom during last anal sex				
Condom not available	50%	60%	38%	46%
Cannot afford to buy condoms	-	-	-	-
Partner objected	-	7%	9%	8%
Do not know how to use condom	-	-	-	-
Doesn't like condom	-	12%	32%	24%
Not necessary	50%	21%	19%	21%
Forgot to use a condom	-	-	1%	1%
Other responses	-	-	-	-

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	-	10%	14%	12%

Number of sex acts in a month with more than one time sex partner (mean)	1-2 (1)	1-30 (5)	1-15 (4)	1-30 (4)
--	---------	----------	----------	----------

Participated in an orgy in the past 12 months	-	7%	2%	4%
<i>Did not participate in an orgy in the past 12 months</i>	-	9%	10%	10%
<i>No response</i>	100%	84%	88%	86%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	50%	38%	26%	31%
<i>Did not have sex with a female in the past 12 months</i>	-	6%	14%	10%
<i>No response</i>	50%	56%	60%	58%
Used a condom during last vaginal sex in the past 12 months	-	17%	17%	17%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	50%	46%	29%	37%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	-	1%	<1%
<i>Never accepted cash for sex</i>	50%	54%	70%	63%
Used a condom during last paying sex in the past 12 months	-	56%	54%	54%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	-	16%	34%	26%
<i>Was a client of sex workers but NOT in the past 12 months</i>	-	2%	12%	8%
<i>Never been a client of a sex worker</i>	100%	82%	54%	66%
Used a condom during last paid sex in the past 12 months	-	79%	42%	51%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	-	2%	2%	4%
<i>Did not use drugs in the past 12 months</i>	-	2%	13%	7%
<i>Never used drugs</i>	100%	96%	86%	89%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	-	-
<i>Never injected drugs</i>	100%	100%	100%	100%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	25%	74%	68%	70%
Having only one faithful uninfected partner	75%	95%	95%	94%
Using condoms reduces the risk for HIV	100%	91%	93%	92%
A person cannot get HIV from mosquitoes	50%	37%	51%	45%
A person cannot get HIV in toilet bowls	50%	58%	70%	65%
Correct on all 5 knowledge questions	25%	19%	27%	24%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	22%
Received free condoms in the past 12 months (SHC, NGO)	25%
Received free lubricants in the past 12 months (SHC, NGO)	8%
SHC reach in the past 12 months	28%
Visited or consulted SHC/CHO in the past 12 months	17%

ACCESS	
Had STI in the past 12 months	1%
Accessed SHC STI services in the past 12 months	29%
Condoms are easy to get in the community	62%
Buys own condom	56%
Last HIV test was in SHC	73%

ATTITUDE	
Feels at risk for HIV	78%
Knows where to get tested for HIV	61%
Ever tested for HIV	40%
% of MSM who had an HIV test in the past 12 months and got results	20%
% who got results of those who had an HIV test in the past 12 months	91%
Knows SHC has male STI services	34%
Comfortable to go to SHC for HIV Testing	76%
Comfortable to go to SHC for STI Consultation	76%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	26%
Feels no need to get tested	19%
Don't know where to get tested	46%
Testing facility too far	-
No money for testing	6%
Other reasons	3%

Prevalence

PREVALENCE	
HIV	1.00%
Syphilis	1.67%

# Batangas City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	90	61
Age Range (Median)	16-42 (22)	18-31 (23)
15 to years old	3%	-
18 to 24 years old	63%	75%
25 years and older	33%	25%

	EDUCATION	
	FFSW	RFSW
No grade completed	6%	2%
Elementary	37%	23%
High School	54%	62%
Vocational/ College/ Post Graduate	3%	13%

### Work Profile

WORK PROFILE	
FFSW only	40%
RFSW Only	27%
FFSW who works in an establishment	19%
RFSW who works in cruising sites	14%

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	12-28 (18)	12-24 (18)
Age first accepted payment for sex	14-42 (19)	15-26 (20)
Age of first condom use	15-41 (20)	14-25 (19)

### CIVIL STATUS

	FFSW	RFSW
Single	79%	95%
Married	7%	2%
Separated/Widowed	14%	3%
Presently living with a partner	34%	28%

### OTHERS

	FFSW	RFSW
With Children	58%	51%
Student	2%	2%
New resident of the city	55%	49%

### NUMBER OF TIMES IN A YEAR

	FFSW	RFSW
All throughout the year	29%	17%
Selected times of the year	12%	27%
As the need arose	59%	57%

Number of times worked as a sex worker in the past week (mean)	1-7 (4)	1-7 (3)
--	---------	---------

### NUMBER OF MALE SEX PARTNERS (range, mean)

	FFSW	RFSW
Clients (past month)	1-90 (9)	1-30 (6)
Returning client (past month)	1-25 (3)	1-20 (3)
Permanent non-paying partner (past month)	1-3 (1)	1-2 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	33%	-	19%	28%	13%	20%	18%	26%
Condom use last sex with client	67%	-	54%	50%	60%	53%	57%	51%
Number of sex acts with returning client in a month (mean)	1-5 (3)	-	1-30 (5)	1-23 (4)	1-12 (4)	1-4 (2)	1-30 (5)	1-23 (4)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	8%	7%
Cannot afford to buy condoms	-	-
Partner objected	22%	21%
Do not know how to use condom	-	-
Doesn't like condom	57%	57%
Not necessary	5%	11%
Forgot to use condom	3%	4%
Other responses	5%	-

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	100%	-	42%	70%	43%	87%	44%	74%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	-	-	58%	30%	57%	13%	56%	26%
<i>No response</i>	-	-	-	-	-	-	-	-

Condom use last sex with non-paying partner	67%	-	46%	34%	23%	31%	39%	33%
Number of sex acts with permanent partner in a month (mean)	5-6 (6)	-	1-15 (3)	1-30 (5)	1-20 (5)	1-8 (3)	1-20 (4)	1-30 (5)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	33%	-	9%	5%	15%	7%	12%	5%
<i>Did not use drugs in the past 12 months</i>	67%	-	77%	66%	69%	60%	74%	64%
<i>Never used drugs</i>	-	-	13%	30%	15%	53%	13%	31%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	59%	5%	60%	-	59%	4%
<i>Never injected drugs</i>	-	-	41%	95%	40%	100%	40%	96%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	33%	-	79%	100%	70%	93%	74%	98%
Having only one faithful uninfected partner	100%	-	68%	85%	87%	87%	76%	85%
Using condoms reduces the risk for HIV	67%	-	74%	91%	83%	93%	77%	92%
A person can get HIV from mosquitoes	100%	-	65%	69%	50%	87%	61%	73%
A person can get HIV in toilet bowls	33%	-	49%	43%	53%	93%	50%	56%
Correct on all 5 knowledge questions	-	-	13%	25%	17%	67%	14%	36%



HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	41%	82%
Received free condoms in the past 12 months (SHC,NGO)	50%	92%
Approached to talk about IDU past 12 months	38%	67%
SHC reach in the past 12 months	57%	93%
Visited or consulted SHC/CHO in the past 12 months	28%	78%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	46%	49%
Knows where to get tested for HIV	65%	89%
Ever tested for HIV	18%	62%
% of FSW who had an HIV test in the past 12 months and got results	9%	44%
% who got results of those who had an HIV test in the past 12 months	90%	93%

Prevalence

PREVALENCE	
	FSW
HIV	0.00%
Syphilis	1.99%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	14%	3%
Accessed SHC STI services (past 12 months)	36%	90%
Had vaginal smear at the SHC (past 12 months)	40%	60%
Condoms are easy to get in the community	58%	84%
Buys own condom	52%	46%
Last HIV test was in SHC	29%	87%

# Batangas City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	150
Age Range (Median)	15-59 (23)
15 to 17 years old	19%
18 to 24 years old	39%
25 years and older	42%

EDUCATION	
No grade completed	3%
Elementary	18%
High School	53%
Vocational/ College/ Post Graduate	25%

CIVIL STATUS	
Single	98%
Married	1%
Separated/Widower	1%

Presently living with a partner	11%
---------------------------------	-----

OTHERS	
With Children	4%
Student	20%
New resident of the city	9%
Member of a social networking website	35%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	7-26 (15)
Age of first sex with another male	7-26 (16)
Age first accepted payment for sex	10-30 (17)
Age first bought sex	7-29 (19)
Age of first condom use	11-40 (18)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-99 (10)
Non-paying male partner (past month)	1-15 (2)
One time sex partner (past month)	1-15 (2)
More than one time sex partner (past month)	1-9 (1)
Clients (past 12 months)	1-70 (9)
Clients (past month)	1-10 (3)
Sex workers (past 12 months)	1-99 (7)
Sex workers (past month)	1-21 (3)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	38%	16%	10%	17%
Anal receiver only	14%	19%	35%	25%
Anal inserter only	45%	31%	10%	25%
Both anal receiver and inserter	3%	34%	46%	33%

Had anal sex in the past 12 months	59%	78%	75%	73%
Have had anal sex but <b>NOT</b> in the past 12 months	-	-	6%	3%
Never had anal sex	41%	22%	19%	25%

Used a condom during last anal sex in the past 12 months	29%	18%	32%	26%
Reason for not using a condom during last anal sex				
Condom not available	44%	49%	34%	42%
Cannot afford to buy condoms	-	-	-	-
Partner objected	-	20%	9%	13%
Do not know how to use condom	11%	-	-	1%
Doesn't like condom	44%	20%	31%	28%
Not necessary	-	11%	16%	12%
Forgot to use a condom	-	-	3%	1%
Other responses	-	-	6%	3%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	-	7%	11%	7%

Number of sex acts in a month with more than one time sex partner (mean)	1-60 (6)	1-11 (3)	1-20 (3)	1-60 (4)
--	----------	----------	----------	----------

Participated in an orgy in the past 12 months	-	7%	6%	5%
<i>Did not participate in an orgy in the past 12 months</i>	34%	53%	48%	47%
<i>No response</i>	66%	40%	46%	47%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	24%	33%	8%	21%
<i>Did not have sex with a female in the past 12 months</i>	24%	19%	14%	18%
<i>No response</i>	52%	48%	78%	61%
Used a condom during last vaginal sex in the past 12 months	29%	14%	33%	21%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	52%	41%	24%	36%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	-	-	-
<i>Never accepted cash for sex</i>	48%	59%	76%	64%
Used a condom during last paying sex in the past 12 months	17%	22%	40%	25%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	7%	29%	57%	37%
<i>Was a client of sex workers but NOT in the past 12 months</i>	7%	9%	19%	13%
<i>Never been a client of a sex worker</i>	86%	62%	24%	51%
Used a condom during last paid sex in the past 12 months	-	36%	47%	41%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	-	14%	25%	14%
<i>Did not use drugs in the past 12 months</i>	11%	14%	29%	18%
<i>Never used drugs</i>	89%	72%	46%	68%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	20%	90%	68%	68%
<i>Never injected drugs</i>	80%	10%	32%	32%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	72%	93%	84%	85%
Having only one faithful uninfected partner	90%	86%	81%	85%
Using condoms reduces the risk for HIV	90%	93%	81%	87%
A person cannot get HIV from mosquitoes	69%	64%	62%	64%
A person cannot get HIV in toilet bowls	69%	55%	48%	55%
Correct on all 5 knowledge questions	31%	33%	24%	29%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	23%
Received free condoms in the past 12 months (SHC, NGO)	38%
Received free lubricants in the past 12 months (SHC, NGO)	5%
SHC reach in the past 12 months	27%
Visited or consulted SHC/CHO in the past 12 months	14%

ACCESS	
Had STI in the past 12 months	5%
Accessed SHC STI services in the past 12 months	15%
Condoms are easy to get in the community	47%
Buys own condom	31%
Last HIV test was in SHC	20%

ATTITUDE	
Feels at risk for HIV	66%
Knows where to get tested for HIV	68%
Ever tested for HIV	8%
% of MSM who had an HIV test in the past 12 months and got results	2%
% who got results of those who had an HIV test in the past 12 months	60%
Knows SHC has male STI services	48%
Comfortable to go to SHC for HIV Testing	81%
Comfortable to go to SHC for STI Consultation	80%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	19%
Feels no need to get tested	43%
Don't know where to get tested	30%
Testing facility too far	1%
No money for testing	6%
Other reasons	1%

Prevalence

PREVALENCE	
HIV	2.00%
Syphilis	1.33%

# Cagayan de Oro City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	299	298
Age Range (Median)	15-47 (22)	17-45 (22)
15 to 17 years old	11%	1%
18 to 24 years old	52%	67%
25 years and older	37%	31%

	EDUCATION	
	FFSW	RFSW
No grade completed	22%	1%
Elementary	55%	38%
High School	22%	56%
Vocational/ College/ Post Graduate	1%	5%

### Work Profile

WORK PROFILE	
FFSW only	45%
RFSW Only	47%
FFSW who works in an establishment	4%
RFSW who works in cruising sites	3%

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	8-27 (16)	7-30 (17)
Age first accepted payment for sex	12-40 (18)	13-33 (18)
Age of first condom use	13-40 (18)	13-36 (19)

### CIVIL STATUS

	CIVIL STATUS	
	FFSW	RFSW
Single	85%	93%
Married	6%	4%
Separated/Widowed	9%	3%
Presently living with a partner	54%	47%

### OTHERS

	OTHERS	
	FFSW	RFSW
With Children	61%	60%
Student	7%	7%
New resident of the city	34%	20%

### NUMBER OF TIMES IN A YEAR

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	36%	79%
Selected times of the year	57%	10%
As the need arose	7%	11%

Number of times worked as a sex worker in the past week (mean)	1-7 (4)	1-7 (4)
--	---------	---------

### NUMBER OF MALE SEX PARTNERS (range, mean)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-60 (9)	1-80 (8)
Returning client (past month)	1-30 (3)	1-40 (3)
Permanent non-paying partner (past month)	1-11 (1)	1-8 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	12%	-	16%	9%	14%	22%	15%	13%
Condom use last sex with client	88%	25%	67%	68%	59%	53%	66%	63%
Number of sex acts with returning client in a month (mean)	1-90 (7)	1-2 (1)	1-40 (4)	1-64 (6)	1-20 (4)	1-30 (5)	1-90 (4)	1-64 (5)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	4%	6%
Cannot afford to buy condoms	-	-
Partner objected	40%	28%
Do not know how to use condom	2%	-
Doesn't like condom	39%	22%
Not necessary	12%	41%
Forgot to use condom	2%	1%
Other responses	1%	3%

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	55%	-	44%	34%	50%	35%	47%	34%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	45%	100%	56%	66%	50%	65%	53%	66%
<i>No response</i>	-	-	1%	-	-	-	<1	-

Condom use last sex with non-paying partner	22%	-	14%	19%	18%	15%	17%	18%
Number of sex acts with permanent partner in a month (mean)	1-20 (9)	-	1-30 (10)	1-30 (11)	1-25 (7)	1-30 (10)	1-30 (8)	1-30 (11)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	27%	50%	41%	28%	28%	22%	35%	27%
<i>Did not use drugs in the past 12 months</i>	21%	25%	30%	22%	39%	37%	33%	27%
<i>Never used drugs</i>	52%	25%	29%	50%	33%	42%	33%	47%

Injected drugs in the past 12 months	-	-	-	-	1%	-	<1%	-
<i>Did not inject drugs in the past 12 months</i>	-	-	1%	1%	-	22%	<1%	1%
<i>Never injected drugs</i>	100%	100%	99%	99%	99%	78%	99%	99%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	56%	100%	78%	94%	80%	93%	77%	94%
Having only one faithful uninfected partner	47%	100%	59%	76%	51%	71%	54%	74%
Using condoms reduces the risk for HIV	61%	75%	68%	91%	75%	91%	70%	91%
A person can get HIV from mosquitoes	65%	75%	61%	80%	64%	76%	62%	79%
A person can get HIV in toilet bowls	67%	50%	57%	86%	63%	91%	61%	87%
Correct on all 5 knowledge questions	10%	25%	17%	48%	19%	46%	17%	47%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	27%	72%
Received free condoms in the past 12 months (SHC,NGO)	51%	87%
Approached to talk about IDU past 12 months	28%	80%
SHC reach in the past 12 months	50%	90%
Visited or consulted SHC/CHO in the past 12 months	37%	99%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	76%	90%
Knows where to get tested for HIV	50%	94%
Ever tested for HIV	53%	62%
% of FSW who had an HIV test in the past 12 months and got results	1%	1%
% who got results of those who had an HIV test in the past 12 months	100%	40%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.67%	0.00%
Syphilis	1.33%	0.67%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	13%	18%
Accessed SHC STI services (past 12 months)	85%	100%
Had vaginal smear at the SHC (past 12 months)	49%	99%
Condoms are easy to get in the community	93%	88%
Buys own condom	76%	59%
Last HIV test was in SHC	78%	97%

# Cagayan de Oro City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	261
Age Range (Median)	15-56 (22)
15 to 17 years old	12%
18 to 24 years old	51%
25 years and older	37%

EDUCATION	
No grade completed	2%
Elementary	15%
High School	55%
Vocational/ College/ Post Graduate	28%

CIVIL STATUS	
Single	99%
Married	1%
Separated/Widower	-

Presently living with a partner	15%
---------------------------------	-----

OTHERS	
With Children	6%
Student	20%
New resident of the city	5%
Member of a social networking website	36%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	4-40 (16)
Age of first sex with another male	4-28 (16)
Age first accepted payment for sex	10-30 (19)
Age first bought sex	13-35 (19)
Age of first condom use	10-40 (19)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-90 (8)
Non-paying male partner (past month)	1-25 (3)
One time sex partner (past month)	1-17 (2)
More than one time sex partner (past month)	1-10 (2)
Clients (past 12 months)	1-70 (7)
Clients (past month)	1-16 (3)
Sex workers (past 12 months)	1-50 (4)
Sex workers (past month)	1-10 (2)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	25%	11%	22%	17%
Anal receiver only	44%	40%	27%	35%
Anal inserter only	16%	20%	14%	17%
Both anal receiver and inserter	16%	29%	37%	30%

Had anal sex in the past 12 months	70%	78%	66%	72%
Have had anal sex but <b>NOT</b> in the past 12 months	-	9%	11%	8%
Never had anal sex	30%	14%	23%	19%

Used a condom during last anal sex in the past 12 months	14%	18%	38%	24%
Reason for not using a condom during last anal sex				
Condom not available	33%	40%	33%	37%
Cannot afford to buy condoms	6%	2%	4%	3%
Partner objected	11%	7%	4%	7%
Do not know how to use condom	-	9%	7%	7%
Doesn't like condom	33%	21%	26%	24%
Not necessary	11%	15%	22%	17%
Forgot to use a condom	6%	3%	4%	4%
Other responses	-	2%	-	1%



Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	22%	15%	21%	18%

Number of sex acts in a month with more than one time sex partner (mean)	1-6 (2)	1-30 (4)	1-30 (2)	1-30 (3)
--	---------	----------	----------	----------

Participated in an orgy in the past 12 months	25%	9%	11%	12%
<i>Did not participate in an orgy in the past 12 months</i>	6%	14%	19%	15%
<i>No response</i>	69%	77%	70%	73%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	19%	21%	14%	18%
<i>Did not have sex with a female in the past 12 months</i>	6%	12%	20%	14%
<i>No response</i>	75%	67%	66%	67%
Used a condom during last vaginal sex in the past 12 months	-	7%	14%	8%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	31%	50%	22%	37%
<i>Accepted cash for sex but NOT in the past 12 months</i>	9%	4%	4%	5%
<i>Never accepted cash for sex</i>	59%	46%	74%	58%
Used a condom during last paying sex in the past 12 months	40%	15%	13%	18%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	19%	27%	44%	32%
<i>Was a client of sex workers but NOT in the past 12 months</i>	6%	10%	19%	13%
<i>Never been a client of a sex worker</i>	75%	64%	38%	55%
Used a condom during last paid sex in the past 12 months	-	14%	39%	25%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	19%	22%	21%	21%
<i>Did not use drugs in the past 12 months</i>	6%	11%	27%	16%
<i>Never used drugs</i>	75%	67%	52%	63%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	3%	7%	5%
<i>Never injected drugs</i>	100%	97%	93%	95%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	69%	76%	78%	76%
Having only one faithful uninfected partner	69%	64%	73%	68%
Using condoms reduces the risk for HIV	72%	77%	82%	78%
A person cannot get HIV from mosquitoes	62%	64%	73%	67%
A person cannot get HIV in toilet bowls	59%	66%	74%	68%
Correct on all 5 knowledge questions	16%	21%	34%	25%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	19%
Received free condoms in the past 12 months (SHC, NGO)	21%
Received free lubricants in the past 12 months (SHC, NGO)	7%
SHC reach in the past 12 months	19%
Visited or consulted SHC/CHO in the past 12 months	13%

ACCESS	
Had STI in the past 12 months	10%
Accessed SHC STI services in the past 12 months	15%
Condoms are easy to get in the community	70%
Buys own condom	39%
Last HIV test was in SHC	57%

ATTITUDE	
Feels at risk for HIV	61%
Knows where to get tested for HIV	42%
Ever tested for HIV	6%
% of MSM who had an HIV test in the past 12 months and got results	4%
% who got results of those who had an HIV test in the past 12 months	92%
Knows SHC has male STI services	39%
Comfortable to go to SHC for HIV Testing	74%
Comfortable to go to SHC for STI Consultation	70%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	21%
Feels no need to get tested	34%
Don't know where to get tested	33%
Testing facility too far	2%
No money for testing	6%
Other reasons	4%

Prevalence

PREVALENCE	
HIV	1.91%
Syphilis	0.38%

# Cebu City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	256	300
Age Range (Median)	15-52 (24)	18-54 (24)
15 to 17 years old	7%	-
18 to 24 years old	46%	51%
25 years and older	47%	49%

	EDUCATION	
	FFSW	RFSW
No grade completed	7%	-
Elementary	36%	7%
High School	54%	71%
Vocational/ College/ Post Graduate	3%	22%

	CIVIL STATUS	
	FFSW	RFSW
Single	91%	92%
Married	5%	2%
Separated/Widowed	4%	6%

Presently living with a partner	52%	40%
---------------------------------	-----	-----

	OTHERS	
	FFSW	RFSW
With Children	64%	67%
Student	4%	2%
New resident of the city	15%	22%

### Work Profile

WORK PROFILE	
FFSW only	43%
RFSW Only	53%
FFSW who works in an establishment	3%
RFSW who works in cruising sites	1%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	12%	32%
Selected times of the year	32%	7%
As the need arose	55%	60%

Number of times worked as a sex worker in the past week (mean)	1-7 (4)	1-7 (3)
--	---------	---------

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	9-28 (16)	12-26 (18)
Age first accepted payment for sex	10-50 (19)	15-44 (20)
Age of first condom use	12-47 (19)	14-40 (20)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-90 (14)	1-40 (5)
Returning client (past month)	1-30 (4)	1-15 (2)
Permanent non-paying partner (past month)	1-3 (1)	1-4 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	32%	-	37%	14%	48%	17%	42%	15%
Condom use last sex with client	47%	-	82%	95%	82%	94%	79%	94%
Number of sex acts with returning client in a month (mean)	1-10 (3)	-	1-30 (4)	1-16 (3)	1-30 (6)	1-15 (3)	1-30 (5)	1-16 (3)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	4%	-
Cannot afford to buy condoms	-	-
Partner objected	31%	72%
Do not know how to use condom	2%	-
Doesn't like condom	47%	22%
Not necessary	14%	-
Forgot to use condom	-	-
Other responses	2%	6%

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	53%	-	32%	71%	36%	57%	36%	64%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	47%	-	66%	28%	64%	43%	64%	35%
<i>No response</i>	-	-	2%	1%	-	-	1%	<1%

Condom use last sex with non-paying partner	-	-	19%	22%	17%	8%	16%	16%
Number of sex acts with permanent partner in a month (mean)	1-5 (3)	-	1-60 (12)	1-60 (10)	1-30 (8)	1-30 (9)	1-60 (9)	1-60 (9)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	21%	-	58%	22%	48%	12%	50%	17%
<i>Did not use drugs in the past 12 months</i>	-	-	7%	7%	8%	24%	7%	16%
<i>Never used drugs</i>	79%	-	35%	71%	44%	64%	42%	68%

Injected drugs in the past 12 months	-	-	15%	-	16%	-	15%	-
<i>Did not inject drugs in the past 12 months</i>	20%	-	3%	-	5%	-	4%	-
<i>Never injected drugs</i>	80%	-	82%	100%	79%	100%	81%	100%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	84%	-	80%	93%	78%	93%	80%	93%
Having only one faithful uninfected partner	83%	-	77%	77%	72%	76%	75%	76%
Using condoms reduces the risk for HIV	63%	-	73%	84%	76%	91%	74%	87%
A person can get HIV from mosquitoes	68%	-	79%	82%	78%	84%	78%	83%
A person can get HIV in toilet bowls	79%	-	80%	77%	78%	89%	79%	83%
Correct on all 5 knowledge questions	44%	-	45%	51%	43%	57%	44%	54%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	49%	74%
Received free condoms in the past 12 months (SHC,NGO)	73%	80%
Approached to talk about IDU past 12 months	49%	71%
SHC reach in the past 12 months	65%	86%
Visited or consulted SHC/CHO in the past 12 months	40%	97%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	46%	65%
Knows where to get tested for HIV	75%	78%
Ever tested for HIV	52%	74%
% of FSW who had an HIV test in the past 12 months and got results	9%	66%
% who got results of those who had an HIV test in the past 12 months	72%	97%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	5.47%	0.00%
Syphilis	6.25%	0.67%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	15%	40%
Accessed SHC STI services (past 12 months)	83%	99%
Had vaginal smear at the SHC (past 12 months)	46%	95%
Condoms are easy to get in the community	93%	94%
Buys own condom	61%	83%
Last HIV test was in SHC	89%	29%

# Cebu City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	299
Age Range (Median)	15-49 (22)
15 to 17 years old	13%
18 to 24 years old	58%
25 years and older	29%

EDUCATION	
No grade completed	<1%
Elementary	4%
High School	38%
Vocational/ College/ Post Graduate	58%

CIVIL STATUS	
Single	99%
Married	1%
Separated/Widower	1%

Presently living with a partner	13%
---------------------------------	-----

OTHERS	
With Children	7%
Student	19%
New resident of the city	2%
Member of a social networking website	37%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	5-27 (16)
Age of first sex with another male	5-28 (16)
Age first accepted payment for sex	12-33 (18)
Age first bought sex	11-34 (19)
Age of first condom use	8-35 (18)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-276 (17)
Non-paying male partner (past month)	1-99 (4)
One time sex partner (past month)	1-99 (4)
More than one time sex partner (past month)	1-99 (3)
Clients (past 12 months)	1-96 (10)
Clients (past month)	1-50 (4)
Sex workers (past 12 months)	1-99 (8)
Sex workers (past month)	1-99 (4)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	26%	10%	14%	13%
Anal receiver only	42%	27%	19%	27%
Anal inserter only	24%	17%	12%	16%
Both anal receiver and inserter	8%	46%	55%	43%

Had anal sex in the past 12 months	58%	85%	76%	79%
Have had anal sex but <b>NOT</b> in the past 12 months	8%	5%	14%	8%
Never had anal sex	34%	11%	10%	13%

Used a condom during last anal sex in the past 12 months	32%	46%	45%	45%
Reason for not using a condom during last anal sex				
Condom not available	59%	56%	34%	50%
Cannot afford to buy condoms	-	4%	-	2%
Partner objected	6%	2%	14%	6%
Do not know how to use condom	-	-	-	-
Doesn't like condom	6%	17%	18%	16%
Not necessary	29%	14%	25%	19%
Forgot to use a condom	-	5%	5%	4%
Other responses	-	2%	5%	3%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	8%	16%	24%	18%

Number of sex acts in a month with more than one time sex partner (mean)	1-20 (4)	1-99 (5)	1-50 (8)	1-99 (6)

Participated in an orgy in the past 12 months	5%	16%	16%	14%
<i>Did not participate in an orgy in the past 12 months</i>	21%	20%	26%	22%
<i>No response</i>	74%	64%	58%	64%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	21%	23%	11%	19%
<i>Did not have sex with a female in the past 12 months</i>	-	10%	19%	11%
<i>No response</i>	79%	68%	69%	70%
Used a condom during last vaginal sex in the past 12 months	25%	10%	38%	16%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	71%	41%	26%	40%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	1%	3%	2%
<i>Never accepted cash for sex</i>	29%	58%	70%	58%
Used a condom during last paying sex in the past 12 months	38%	50%	42%	46%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	5%	22%	48%	28%
<i>Was a client of sex workers but NOT in the past 12 months</i>	-	5%	15%	7%
<i>Never been a client of a sex worker</i>	95%	73%	38%	65%
Used a condom during last paid sex in the past 12 months	50%	58%	52%	55%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	27%	31%	44%	34%
<i>Did not use drugs in the past 12 months</i>	6%	5%	17%	8%
<i>Never used drugs</i>	67%	64%	39%	57%

Injected drugs in the past 12 months	8%	9%	2%	6%
<i>Did not inject drugs in the past 12 months</i>	23%	14%	29%	21%
<i>Never injected drugs</i>	69%	77%	69%	73%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	58%	82%	85%	80%
Having only one faithful uninfected partner	55%	75%	71%	71%
Using condoms reduces the risk for HIV	63%	86%	85%	83%
A person cannot get HIV from mosquitoes	68%	68%	73%	70%
A person cannot get HIV in toilet bowls	66%	80%	84%	79%
Correct on all 5 knowledge questions	13%	41%	46%	39%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	28%
Received free condoms in the past 12 months (SHC, NGO)	27%
Received free lubricants in the past 12 months (SHC, NGO)	5%
SHC reach in the past 12 months	32%
Visited or consulted SHC/CHO in the past 12 months	10%

ACCESS	
Had STI in the past 12 months	8%
Accessed SHC STI services in the past 12 months	15%
Condoms are easy to get in the community	82%
Buys own condom	54%
Last HIV test was in SHC	40%

ATTITUDE	
Feels at risk for HIV	61%
Knows where to get tested for HIV	61%
Ever tested for HIV	22%
% of MSM who had an HIV test in the past 12 months and got results	7%
% who got results of those who had an HIV test in the past 12 months	85%
Knows SHC has male STI services	57%
Comfortable to go to SHC for HIV Testing	77%
Comfortable to go to SHC for STI Consultation	75%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	25%
Feels no need to get tested	34%
Don't know where to get tested	29%
Testing facility too far	1%
No money for testing	3%
Other reasons	7%

Prevalence

PREVALENCE	
HIV	4.67%
Syphilis	1.00%



# Cebu City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

**IHBSS Inclusion Criteria:** Male or female, 15 years and older, who injected drugs not prescribed by a physician, in the past 6 months.

### Injecting Drug Users

#### Demographic Profile

TOTAL SAMPLE	
306	

AGE	
Age Range (Median)	16-57 (27)
15 to 17 years old	3%
18 to 24 years old	38%
25 years and older	59%

EDUCATION	
No grade completed	18%
Elementary	34%
High School	41%
Vocational/ College/ Post Graduate	7%

CIVIL STATUS	
Single	90%
Married	8%
Separated/Widow(er)	2%

OTHERS	
Male	91%
Female	9%
With Children	35%
Student	5%
New resident of the city	5%
Presently living with a partner	31%
Partner is also an IDU	26%

#### Drug Use

AGE PROFILE (range, median)	
Age first used drugs	7-42 (17)
Age first injected drugs	10-46 (19)

NUMBER OF YEARS AS AN IDU	
Less than 1 year to 2 years	17%
3 to 5 years	32%
More than 5 years	50%

Injecting Behavior	15 to 17	18 to 24	25 older	Total
Injected in another city (past year)	12%	6%	3%	5%
Shared needles in another city (past year)	12%	2%	3%	3%
<i>Did not share needles in another city (past year)</i>	0%	5%	3%	4%
<i>No response</i>	88%	93%	94%	93%

Last injected drugs in a shooting gallery in the past 12 months	100%	74%	82%	80%
<i>Last injected drugs in a shooting gallery but NOT in the past 12 months</i>	0%	2%	1%	1%
<i>Did not inject in a shooting gallery during last injection</i>	0%	24%	17%	19%

Clean needle source	-	30%	33%	31%
Safe cleaning practice	-	24%	31%	28%
Threw used needle in a gallon or container	12%	22%	17%	19%

Shared needles during last injection	43%	32%	26%	29%
Number of visit in a shooting gallery per month (mean)	1-42 (6)			

Frequency of Injection in a Year	15 to 17	18 to 24	25 older	Total
At least once a month	-	3%	2%	2%
At least once a week	-	7%	8%	8%
At least once a day	38%	22%	21%	22%
More than once a day	62%	69%	69%	69%

VENUE DURING LAST INJECTION	
Shooting Gallery in Kamagayan	65%
Shooting Gallery in Cebu but not in Kamagayan	15%
Respondent's House	14%
House of another IDU	5%

DRUGS USUALLY INJECTED	
Nalbuphine/Nubain	99%
Heroin	<1%
Shabu/Milkshake	<1%
Other drugs	-

## Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	8-39 (17)
Age of first sex with another male	11-35 (18)
Age first accepted payment for sex	13-42 (18)
Age first bought sex	14-42 (22)
Age of first condom use	13-44 (18)

NUMBER OF SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-16 (2)
Non-paying female partner (past 12 months)	1-240 (20)
Paid partner/ Sex worker (past month)	1-4 (2)
Paying partners/ Client (past month)	1-222 (11)
MSM partner (past 12 months)	1-23 (3)

Non-paying Behavior	15 to 17	18 to 24	25 older	Total
Had sex with a non-paying partner in the past 12 months	50%	64%	65%	65%
<i>Had sex with a non-paying partner but <u>NOT</u> in the past 12 months</i>	12%	29%	28%	28%
<i>Never had a non-paying partner</i>	38%	7%	6%	7%
Used a condom last vaginal sex in the past 12 months	25%	38%	28%	32%

MSM Behavior	15 to 17	18 to 24	25 older	Total
Had anal sex in the past 12 months	38%	10%	8%	10%
<i>Have had anal sex but <u>NOT</u> in the past 12 months</i>	-	9%	9%	9%
<i>Never had anal sex</i>	62%	81%	83%	82%
Used a condom last anal sex in the past 12 months	0%	27%	33%	27%

Sex worker Behavior	15 to 17	18 to 24	25 older	Total
Accepted cash for sex in the past 12 months	50%	33%	24%	23%
<i>Accepted cash for sex but <u>NOT</u> in the past 12 months</i>	-	3%	5%	4%
<i>Never accepted cash for sex</i>	50%	65%	71%	68%
Used a condom last sex with a paying partner in the past 12 months	25%	37%	35%	35%

Client Behavior	15 to 17	18 to 24	25 older	Total
Was a client of sex workers in the past 12 months	-	5%	18%	13%
<i>Was a client of sex workers but <u>NOT</u> in the past 12 months</i>	-	4%	13%	10%
<i>Never been a client of a sex worker</i>	100%	91%	69%	78%
Used a condom last paid sex in the past 12 months	-	67%	61%	62%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 older	Total
Healthy looking person can have HIV	88%	85%	85%	85%
Having only one faithful uninfected partner	88%	82%	82%	82%
Using condoms reduces the risk for HIV	75%	89%	88%	88%
A person can get HIV from mosquitoes	88%	80%	75%	77%
A person can get HIV in toilet bowls	62%	78%	76%	76%
Sharing needles can increase risk for HIV	88%	97%	97%	97%
Correct on all 6 knowledge questions	50%	57%	56%	56%

HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	47%
Approached about injecting drug use in the past 12 months	63%
Received free needles in the past 12 months	35%
Taught how to clean needles in the past 12 months	23%
SHC reach in the past 12 months	67%

ACCESS	
Had STI in the past 12 months	6%
Accessed SHC STI services in the past 12 months	37%
Last HIV test was in SHC	90%

ATTITUDE	
Feels at risk for HIV	75%
Knows where to get tested for HIV	84%
Ever tested for HIV	36%
% of IDU who had an HIV test in the past 12 months and got results	16%
% who got results of those who had an HIV test in the past 12 months	59%
Knows SHC has male STI services	73%
Comfortable to go to SHC for HIV Testing	95%
Comfortable to go to SHC for STI Consultation	93%

Prevalence

PREVALENCE	
HIV	53.82%
Syphilis	3.99%
HCV	94.35%

HIV Prevalence per IHBSS Year	2005	2007	2009	2011
	0.83%	0.40%	0.59%	53.82%
<i>Total Sample</i>	<i>n = 240</i>	<i>n = 250</i>	<i>n = 341</i>	<i>n = 301</i>

# Municipality of Daraga

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)** , 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

Sites Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	129	19
Age Range (Median)	18-46 (24)	18-41 (23)
15 to 17 years old	-	-
18 to 24 years old	53%	63%
25 years and older	47%	37%

	EDUCATION	
	FFSW	RFSW
No grade completed	2%	-
Elementary	43%	68%
High School	45%	26%
Vocational/ College/ Post Graduate	9%	5%

### Work Profile

WORK PROFILE	
FFSW only	67%
RFSW Only	11%
FFSW who works in an establishment	19%
RFSW who works in cruising sites	2%

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	10-30 (18)	15-24 (18)
Age first accepted payment for sex	17-41 (20)	16-30 (20)
Age of first condom use	16-43 (20)	16-26 (19)

### CIVIL STATUS

	FFSW	RFSW
Single	64%	79%
Married	15%	11%
Separated/Widowed	22%	11%

Presently living with a partner	35%	28%
---------------------------------	-----	-----

### OTHERS

	FFSW	RFSW
With Children	58%	37%
Student	3%	11%
New resident of the city	21%	32%

### NUMBER OF TIMES IN A YEAR

	FFSW	RFSW
All throughout the year	18%	11%
Selected times of the year	63%	63%
As the need arose	19%	26%

Number of times worked as a sex worker in the past week (mean)	1-7 (3)	1-7 (3)
--	---------	---------

### NUMBER OF MALE SEX PARTNERS (range, mean)

	FFSW	RFSW
Clients (past month)	1-20 (6)	1-15 (6)
Returning client (past month)	1-10 (2)	1-6 (2)
Permanent non-paying partner (past month)	1-2 (1)	1-2 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	-	-	28%	17%	13%	-	21%	11%
Condom use last sex with client	-	-	25%	33%	29%	33%	27%	33%
Number of sex acts with returning client in a month (mean)	-	-	1-4 (2)	1-6 (3)	1-8 (2)	2-3 (2)	1-8 (2)	1-6 (3)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	8%	9%
Cannot afford to buy condoms	-	-
Partner objected	29%	9%
Do not know how to use condom	8%	-
Doesn't like condom	48%	73%
Not necessary	3%	9%
Forgot to use condom	4%	-
Other responses	-	-

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	-	-	35%	58%	41%	71%	38%	63%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	-	-	62%	42%	54%	29%	58%	37%
<i>No response</i>	-	-	3%	-	5%	-	4%	-

Condom use last sex with non-paying partner	-	-	12%	14%	14%	20%	13%	17%
Number of sex acts with permanent partner in a month (mean)	-	-	2-10 (6)	2-5 (3)	1-30 (5)	2-10 (4)	1-30 (5)	2-10 (4)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	-	-	3%	-	2%	-	2%	-
<i>Did not use drugs in the past 12 months</i>	-	-	2%	-	-	14%	1%	5%
<i>Never used drugs</i>	-	-	95%	100%	98%	86%	97%	95%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	25%	-	-	-	11%	-
<i>Never injected drugs</i>	-	-	75%	100%	100%	100%	89%	100%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	-	-	80%	83%	86%	100%	83%	89%
Having only one faithful uninfected partner	-	-	88%	75%	88%	86%	88%	79%
Using condoms reduces the risk for HIV	-	-	85%	100%	93%	100%	89%	100%
A person can get HIV from mosquitoes	-	-	62%	75%	72%	100%	67%	84%
A person can get HIV in toilet bowls	-	-	60%	92%	52%	100%	56%	95%
Correct on all 5 knowledge questions	-	-	32%	42%	32%	86%	32%	58%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	8%	53%
Received free condoms in the past 12 months (SHC,NGO)	23%	79%
Approached to talk about IDU past 12 months	7%	37%
SHC reach in the past 12 months	25%	79%
Visited or consulted SHC/CHO in the past 12 months	17%	89%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	42%	47%
Knows where to get tested for HIV	62%	94%
Ever tested for HIV	17%	37%
% of FSW who had an HIV test in the past 12 months and got results	6%	16%
% who got results of those who had an HIV test in the past 12 months	100%	100%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	8%	11%
Accessed SHC STI services (past 12 months)	32%	94%
Had vaginal smear at the SHC (past 12 months)	35%	94%
Condoms are easy to get in the community	80%	95%
Buys own condom	53%	32%
Last HIV test was in SHC	73%	100%

Prevalence

PREVALENCE	
	FSW
HIV	0.00%
Syphilis	2.00%

# Municipality of Daraga

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	148
Age Range (Median)	16-63 (21)
15 to 17 years old	7%
18 to 24 years old	64%
25 years and older	29%

EDUCATION	
No grade completed	-
Elementary	11%
High School	61%
Vocational/ College/ Post Graduate	28%

CIVIL STATUS	
Single	92%
Married	7%
Separated/Widower	1%

Presently living with a partner	15%
---------------------------------	-----

OTHERS	
With Children	6%
Student	38%
New resident of the city	1%
Member of a social networking website	17%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	4-25 (17)
Age of first sex with another male	4-31 (17)
Age first accepted payment for sex	14-25 (18)
Age first bought sex	15-30 (19)
Age of first condom use	12-35 (19)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-30 (6)
Non-paying male partner (past month)	1-10 (2)
One time sex partner (past month)	1-5 (1)
More than one time sex partner (past month)	1-7 (1)
Clients (past 12 months)	1-20 (5)
Clients (past month)	1-3 (1)
Sex workers (past 12 months)	1-48 (5)
Sex workers (past month)	1-3 (2)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	70%	49%	26%	44%
Anal receiver only	20%	18%	19%	18%
Anal inserter only	10%	22%	23%	22%
Both anal receiver and inserter	-	11%	33%	16%

Had anal sex in the past 12 months	40%	52%	70%	56%
Have had anal sex but <b>NOT</b> in the past 12 months	10%	-	2%	1%
Never had anal sex	50%	48%	28%	42%

Used a condom during last anal sex in the past 12 months	75%	44%	50%	48%
Reason for not using a condom during last anal sex				
Condom not available	-	39%	38%	38%
Cannot afford to buy condoms	-	-	-	-
Partner objected	-	26%	31%	28%
Do not know how to use condom	-	4%	-	3%
Doesn't like condom	-	13%	25%	18%
Not necessary	-	9%	6%	8%
Forgot to use a condom	-	9%	-	5%
Other responses	-	-	-	-

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	10%	18%	16%	17%

Number of sex acts in a month with more than one time sex partner (mean)	1-10 (2)	1-18 (2)	1-15 (2)	1-18 (2)
--	----------	----------	----------	----------

Participated in an orgy in the past 12 months	-	3%	14%	6%
<i>Did not participate in an orgy in the past 12 months</i>	10%	4%	9%	6%
<i>No response</i>	90%	93%	77%	88%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	10%	24%	19%	22%
<i>Did not have sex with a female in the past 12 months</i>	-	13%	21%	14%
<i>No response</i>	90%	63%	60%	64%
Used a condom during last vaginal sex in the past 12 months	100%	62%	12%	48%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	20%	28%	12%	23%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	3%	5%	3%
<i>Never accepted cash for sex</i>	80%	69%	84%	74%
Used a condom during last paying sex in the past 12 months	100%	53%	50%	54%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	-	23%	45%	28%
<i>Was a client of sex workers but NOT in the past 12 months</i>	10%	1%	12%	5%
<i>Never been a client of a sex worker</i>	90%	76%	42%	67%
Used a condom during last paid sex in the past 12 months	-	14%	53%	34%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	-	2%	2%	2%
<i>Did not use drugs in the past 12 months</i>	-	1%	7%	3%
<i>Never used drugs</i>	100%	97%	91%	95%

Injected drugs in the past 12 months	-	-	20%	8%
<i>Did not inject drugs in the past 12 months</i>	-	14%	20%	17%
<i>Never injected drugs</i>	100%	86%	60%	75%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	60%	74%	79%	75%
Having only one faithful uninfected partner	80%	88%	84%	86%
Using condoms reduces the risk for HIV	78%	95%	88%	92%
A person cannot get HIV from mosquitoes	60%	77%	79%	77%
A person cannot get HIV in toilet bowls	40%	72%	77%	71%
Correct on all 5 knowledge questions	22%	47%	51%	46%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	31%
Received free condoms in the past 12 months (SHC, NGO)	44%
Received free lubricants in the past 12 months (SHC, NGO)	5%
SHC reach in the past 12 months	43%
Visited or consulted SHC/CHO in the past 12 months	9%

ACCESS	
Had STI in the past 12 months	5%
Accessed SHC STI services in the past 12 months	10%
Condoms are easy to get in the community	64%
Buys own condom	47%
Last HIV test was in SHC	50%



ATTITUDE	
Feels at risk for HIV	59%
Knows where to get tested for HIV	48%
Ever tested for HIV	1%
% of MSM who had an HIV test in the past 12 months and got results	-
% who got results of those who had an HIV test in the past 12 months	-
Knows SHC has male STI services	40%
Comfortable to go to SHC for HIV Testing	59%
Comfortable to go to SHC for STI Consultation	60%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	39%
Feels no need to get tested	42%
Don't know where to get tested	9%
Testing facility too far	-
No money for testing	8%
Other reasons	1%

Prevalence

PREVALENCE	
HIV	0.00%
Syphilis	0.00%

# Davao City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

**Inclusion Criteria:**

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Calooacan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

### Female Sex Workers

#### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	300	300
Age Range (Median)	15-51 (23)	18-51 (26)
15 to 17 years old	9%	-
18 to 24 years old	52%	42%
25 years and older	39%	58%

	EDUCATION	
	FFSW	RFSW
No grade completed	13%	5%
Elementary	59%	38%
High School	27%	53%
Vocational/ College/ Post Graduate	1%	4%

	CIVIL STATUS	
	FFSW	RFSW
Single	90%	93%
Married	5%	4%
Separated/Widowed	5%	2%

Presently living with a partner	54%	44%
---------------------------------	-----	-----

	OTHERS	
	FFSW	RFSW
With Children	71%	82%
Student	6%	5%
New resident of the city	16%	9%

#### Work Profile

WORK PROFILE	
FFSW only	41%
RFSW Only	48%
FFSW who works in an establishment	8%
RFSW who works in cruising sites	2%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	23%	29%
Selected times of the year	20%	17%
As the need arose	57%	54%

Number of times worked as a sex worker in the past week (mean)	1-7 (4)	1-7 (2)
--	---------	---------

#### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	7-25 (16)	11-27 (17)
Age first accepted payment for sex	10-48 (19)	15-40 (22)
Age of first condom use	8-40 (19)	14-42 (21)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-60 (12)	1-40 (4)
Returning client (past month)	1-30 (3)	1-25 (3)
Permanent non-paying partner (past month)	1-5 (1)	1-10 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	11%	-	18%	14%	18%	18%	17%	16%
Condom use last sex with client	64%	-	75%	79%	69%	83%	72%	81%
Number of sex acts with returning client in a month (mean)	1-16 (3)	-	1-121 (4)	1-25 (3)	1-16 (3)	1-20 (2)	1-121 (3)	1-25 (2)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	11%	8%
Cannot afford to buy condoms	-	-
Partner objected	33%	4%
Do not know how to use condom	1%	-
Doesn't like condom	21%	6%
Not necessary	31%	75%
Forgot to use condom	1%	2%
Other responses	1%	6%

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	82%	-	81%	56%	74%	51%	78%	53%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	18%	-	19%	43%	26%	49%	22%	47%
<i>No response</i>	-	-	-	1%	-	-	-	<1%

Condom use last sex with non-paying partner	4%	-	15%	35%	19%	42%	15%	39%
Number of sex acts with permanent partner in a month (mean)	1-30 (7)	-	1-30 (8)	1-51 (6)	1-30 (6)	1-32 (6)	1-30 (7)	1-51 (6)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	46%	-	31%	8%	21%	8%	28%	8%
<i>Did not use drugs in the past 12 months</i>	11%	-	18%	16%	24%	14%	19%	15%
<i>Never used drugs</i>	43%	-	52%	76%	55%	78%	52%	77%

Injected drugs in the past 12 months	-	-	3%	-	4%	-	3%	-
<i>Did not inject drugs in the past 12 months</i>	-	-	1%	-	2%	-	1%	-
<i>Never injected drugs</i>	100%	-	96%	100%	94%	100%	96%	100%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	75%	-	77%	59%	77%	59%	77%	59%
Having only one faithful uninfected partner	43%	-	50%	78%	59%	77%	53%	78%
Using condoms reduces the risk for HIV	64%	-	77%	91%	74%	88%	74%	89%
A person can get HIV from mosquitoes	61%	-	63%	90%	54%	89%	59%	89%
A person can get HIV in toilet bowls	43%	-	55%	90%	51%	90%	52%	90%
Correct on all 5 knowledge questions	7%	-	12%	38%	17%	50%	13%	45%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	45%	93%
Received free condoms in the past 12 months (SHC,NGO)	65%	92%
Approached to talk about IDU past 12 months	40%	77%
SHC reach in the past 12 months	61%	96%
Visited or consulted SHC/CHO in the past 12 months	16%	97%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	80%	68%
Knows where to get tested for HIV	42%	81%
Ever tested for HIV	42%	56%
% of FSW who had an HIV test in the past 12 months and got results	4%	10%
% who got results of those who had an HIV test in the past 12 months	50%	33%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.00%	0.00%
Syphilis	0.33%	0.33%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	24%	27%
Accessed SHC STI services (past 12 months)	68%	99%
Had vaginal smear at the SHC (past 12 months)	19%	87%
Condoms are easy to get in the community	89%	71%
Buys own condom	76%	78%
Last HIV test was in SHC	87%	92%

# Davao City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	300
Age Range (Median)	15-51 (21)
15 to 17 years old	19%
18 to 24 years old	50%
25 years and older	31%

EDUCATION	
No grade completed	1%
Elementary	24%
High School	57%
Vocational/ College/ Post Graduate	18%

CIVIL STATUS	
Single	99%
Married	1%
Separated/Widower	-

Presently living with a partner	18%
---------------------------------	-----

OTHERS	
With Children	5%
Student	19%
New resident of the city	6%
Member of a social networking website	38%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	6-29 (15)
Age of first sex with another male	6-29 (15)
Age first accepted payment for sex	9-50 (17)
Age first bought sex	11-38 (19)
Age of first condom use	10-40 (18)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-200 (15)
Non-paying male partner (past month)	1-20 (4)
One time sex partner (past month)	1-19 (3)
More than one time sex partner (past month)	1-17 (2)
Clients (past 12 months)	1-100 (10)
Clients (past month)	1-17 (3)
Sex workers (past 12 months)	1-150 (8)
Sex workers (past month)	1-20 (3)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	27%	20%	14%	19%
Anal receiver only	50%	36%	27%	36%
Anal inserter only	9%	14%	3%	10%
Both anal receiver and inserter	14%	30%	56%	35%

Had anal sex in the past 12 months	73%	70%	69%	70%
Have had anal sex but <b>NOT</b> in the past 12 months	-	11%	14%	10%
Never had anal sex	27%	20%	17%	20%

Used a condom during last anal sex in the past 12 months	27%	28%	33%	29%
Reason for not using a condom during last anal sex				
Condom not available	53%	49%	63%	54%
Cannot afford to buy condoms	-	-	-	-
Partner objected	3%	6%	4%	5%
Do not know how to use condom	3%	4%	-	2%
Doesn't like condom	20%	27%	20%	23%
Not necessary	13%	12%	8%	11%
Forgot to use a condom	3%	1%	6%	3%
Other responses	3%	1%	-	1%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	21%	27%	36%	29%

Number of sex acts in a month with more than one time sex partner (mean)	1-8 (2)	1-30 (3)	1-23 (3)	1-30 (3)
--	---------	----------	----------	----------

Participated in an orgy in the past 12 months	9%	12%	8%	10%
<i>Did not participate in an orgy in the past 12 months</i>	7%	6%	11%	8%
<i>No response</i>	84%	82%	82%	82%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	14%	24%	9%	17%
<i>Did not have sex with a female in the past 12 months</i>	2%	9%	10%	8%
<i>No response</i>	84%	67%	82%	75%
Used a condom during last vaginal sex in the past 12 months	20%	24%	29%	24%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	48%	51%	28%	43%
<i>Accepted cash for sex but NOT in the past 12 months</i>	2%	3%	1%	2%
<i>Never accepted cash for sex</i>	50%	47%	71%	55%
Used a condom during last paying sex in the past 12 months	44%	46%	35%	43%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	23%	36%	75%	46%
<i>Was a client of sex workers but NOT in the past 12 months</i>	4%	9%	6%	7%
<i>Never been a client of a sex worker</i>	73%	55%	18%	47%
Used a condom during last paid sex in the past 12 months	22%	21%	29%	25%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	12%	10%	17%	13%
<i>Did not use drugs in the past 12 months</i>	4%	1%	14%	6%
<i>Never used drugs</i>	84%	89%	69%	82%

Injected drugs in the past 12 months	-	-	3%	2%
<i>Did not inject drugs in the past 12 months</i>	10%	4%	3%	5%
<i>Never injected drugs</i>	90%	96%	93%	94%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	83%	93%	99%	93%
Having only one faithful uninfected partner	91%	83%	85%	85%
Using condoms reduces the risk for HIV	95%	89%	83%	88%
A person cannot get HIV from mosquitoes	65%	59%	57%	59%
A person cannot get HIV in toilet bowls	64%	71%	66%	68%
Correct on all 5 knowledge questions	40%	39%	30%	36%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	53%
Received free condoms in the past 12 months (SHC, NGO)	59%
Received free lubricants in the past 12 months (SHC, NGO)	7%
SHC reach in the past 12 months	42%
Visited or consulted SHC/CHO in the past 12 months	16%

ACCESS	
Had STI in the past 12 months	8%
Accessed SHC STI services in the past 12 months	32%
Condoms are easy to get in the community	93%
Buys own condom	31%
Last HIV test was in SHC	85%

ATTITUDE	
Feels at risk for HIV	78%
Knows where to get tested for HIV	47%
Ever tested for HIV	32%
% of MSM who had an HIV test in the past 12 months and got results	6%
% who got results of those who had an HIV test in the past 12 months	56%
Knows SHC has male STI services	65%
Comfortable to go to SHC for HIV Testing	87%
Comfortable to go to SHC for STI Consultation	86%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	34%
Feels no need to get tested	15%
Don't know where to get tested	42%
Testing facility too far	1%
No money for testing	3%
Other reasons	5%

Prevalence

PREVALENCE	
HIV	2.67%
Syphilis	0.33%

# General Santos City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	300	299
Age Range (Median)	15-58 (23)	18-50 (25)
15 to 17 years old	5%	-
18 to 24 years old	53%	48%
25 years and older	43%	52%

	EDUCATION	
	FFSW	RFSW
No grade completed	10%	5%
Elementary	50%	50%
High School	36%	42%
Vocational/ College/ Post Graduate	4%	3%

### Work Profile

WORK PROFILE	
FFSW only	41%
RFSW Only	49%
FFSW who works in an establishment	9%
RFSW who works in cruising sites	1%

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	3-29 (16)	12-29 (17)
Age first accepted payment for sex	12-47 (18)	14-42 (20)
Age of first condom use	12-47 (18)	14-38 (20)

### CIVIL STATUS

	FFSW	RFSW
Single	77%	78%
Married	18%	6%
Separated/Widowed	6%	16%
Presently living with a partner	50%	44%

### OTHERS

	FFSW	RFSW
With Children	62%	65%
Student	5%	1%
New resident of the city	5%	18%

### NUMBER OF TIMES IN A YEAR

	FFSW	RFSW
All throughout the year	73%	33%
Selected times of the year	24%	59%
As the need arose	3%	7%

Number of times worked as a sex worker in the past week (mean)	1-7 (5)	1-7 (4)
--	---------	---------

### NUMBER OF MALE SEX PARTNERS (range, mean)

	FFSW	RFSW
Clients (past month)	1-90 (10)	1-60 (7)
Returning client (past month)	1-10 (2)	1-10 (3)
Permanent non-paying partner (past month)	1-3 (1)	1-8 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	29%	-	23%	71%	20%	82%	22%	77%
Condom use last sex with client	64%	-	66%	87%	59%	84%	63%	85%
Number of sex acts with returning client in a month (mean)	1-18 (4)	-	1-30 (3)	1-20 (3)	1-12 (3)	1-10 (2)	1-30 (3)	1-20 (3)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	17%	5%
Cannot afford to buy condoms	-	-
Partner objected	25%	35%
Do not know how to use condom	9%	-
Doesn't like condom	38%	40%
Not necessary	8%	20%
Forgot to use condom	3%	-
Other responses	1%	-

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	14%	-	23%	41%	33%	67%	27%	55%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	86%	-	77%	58%	67%	30%	73%	43%
<i>No response</i>	-	-	-	1%	-	3%	-	2%

Condom use last sex with non-paying partner	-	-	5%	22%	5%	13%	5%	16%
Number of sex acts with permanent partner in a month (mean)	6-19 (12)	-	1-60 (14)	1-60 (10)	1-30 (9)	1-60 (10)	1-60 (12)	1-60 (10)

### Drug use

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	7%	-	8%	10%	8%	19%	8%	15%
<i>Did not use drugs in the past 12 months</i>	-	-	8%	9%	9%	17%	8%	13%
<i>Never used drugs</i>	73%	-	85%	82%	83%	63%	84%	72%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	10%	-	9%	2%	9%	1%
<i>Never injected drugs</i>	100%	-	90%	100%	91%	98%	91%	99%

### Knowledge

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	86%	-	84%	93%	93%	96%	88%	95%
Having only one faithful uninfected partner	71%	-	84%	91%	88%	97%	85%	94%
Using condoms reduces the risk for HIV	86%	-	89%	94%	88%	97%	88%	96%
A person can get HIV from mosquitoes	50%	-	43%	77%	47%	86%	45%	82%
A person can get HIV in toilet bowls	57%	-	54%	82%	57%	83%	56%	82%
Correct on all 5 knowledge questions	29%	-	27%	66%	32%	74%	29%	70%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	4%	63%
Received free condoms in the past 12 months (SHC,NGO)	12%	92%
Approached to talk about IDU past 12 months	3%	59%
SHC reach in the past 12 months	14%	94%
Visited or consulted SHC/CHO in the past 12 months	4%	87%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	52%	59%
Knows where to get tested for HIV	46%	91%
Ever tested for HIV	11%	66%
% of FSW who had an HIV test in the past 12 months and got results	<1%	4%
% who got results of those who had an HIV test in the past 12 months	100%	68%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.33%	0.00%
Syphilis	1.67%	0.67%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	2%	19%
Accessed SHC STI services (past 12 months)	28%	98%
Had vaginal smear at the SHC (past 12 months)	18%	86%
Condoms are easy to get in the community	97%	97%
Buys own condom	59%	74%
Last HIV test was in SHC	82%	97%

# General Santos City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	300
Age Range (Median)	15-49 (19)
15 to 17 years old	28%
18 to 24 years old	62%
25 years and older	11%

EDUCATION	
No grade completed	1%
Elementary	18%
High School	55%
Vocational/ College/ Post Graduate	26%

CIVIL STATUS	
Single	95%
Married	4%
Separated/Widower	1%

Presently living with a partner	10%
---------------------------------	-----

OTHERS	
With Children	8%
Student	40%
New resident of the city	5%
Member of a social networking website	6%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	7-25 (16)
Age of first sex with another male	7-25(16)
Age first accepted payment for sex	12-27 (16)
Age first bought sex	16-32 (18)
Age of first condom use	12-26 (17)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-70 (6)
Non-paying male partner (past month)	1-10 (3)
One time sex partner (past month)	1-10 (2)
More than one time sex partner (past month)	1-9 (2)
Clients (past 12 months)	1-27 (7)
Clients (past month)	1-6 (3)
Sex workers (past 12 months)	1-70 (6)
Sex workers (past month)	1-10 (3)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	14%	16%	3%	14%
Anal receiver only	8%	11%	22%	11%
Anal inserter only	77%	65%	66%	69%
Both anal receiver and inserter	-	8%	9%	6%

Had anal sex in the past 12 months	84%	79%	97%	83%
Have had anal sex but <b>NOT</b> in the past 12 months	1%	5%	3%	4%
Never had anal sex	14%	15%	-	13%

Used a condom during last anal sex in the past 12 months	13%	12%	17%	13%
Reason for not using a condom during last anal sex				
Condom not available	63%	67%	44%	64%
Cannot afford to buy condoms	-	-	-	-
Partner objected	2%	1%	4%	2%
Do not know how to use condom	3%	-	-	1%
Doesn't like condom	23%	25%	32%	25%
Not necessary	3%	3%	20%	5%
Forgot to use a condom	5%	3%	-	3%
Other responses	-	1%	-	<1%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	4%	9%	9%	8%

Number of sex acts in a month with more than one time sex partner (mean)	1-7 (3)	1-15 (4)	2-8 (4)	1-15 (4)
--	---------	----------	---------	----------

Participated in an orgy in the past 12 months	-	4%	-	3%
<i>Did not participate in an orgy in the past 12 months</i>	1%	5%	6%	4%
<i>No response</i>	99%	91%	94%	93%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	40%	62%	62%	56%
<i>Did not have sex with a female in the past 12 months</i>	7%	12%	12%	11%
<i>No response</i>	53%	25%	25%	33%
Used a condom during last vaginal sex in the past 12 months	19%	12%	15%	14%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	67%	59%	50%	60%
<i>Accepted cash for sex but NOT in the past 12 months</i>	2%	1%	-	1%
<i>Never accepted cash for sex</i>	30%	41%	50%	39%
Used a condom during last paying sex in the past 12 months	19%	13%	12%	15%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	1%	9%	16%	7%
<i>Was a client of sex workers but NOT in the past 12 months</i>	1%	2%	3%	2%
<i>Never been a client of a sex worker</i>	98%	90%	81%	91%
Used a condom during last paid sex in the past 12 months	-	13%	20%	14%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	14%	24%	22%	21%
<i>Did not use drugs in the past 12 months</i>	8%	10%	25%	11%
<i>Never used drugs</i>	77%	65%	53%	67%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	5%	2%	-	2%
<i>Never injected drugs</i>	95%	98%	100%	98%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	73%	79%	97%	79%
Having only one faithful uninfected partner	63%	76%	84%	73%
Using condoms reduces the risk for HIV	69%	79%	75%	76%
A person cannot get HIV from mosquitoes	37%	50%	47%	46%
A person cannot get HIV in toilet bowls	55%	61%	53%	58%
Correct on all 5 knowledge questions	13%	27%	28%	24%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	9%
Received free condoms in the past 12 months (SHC, NGO)	8%
Received free lubricants in the past 12 months (SHC, NGO)	1%
SHC reach in the past 12 months	11%
Visited or consulted SHC/CHO in the past 12 months	4%

ACCESS	
Had STI in the past 12 months	7%
Accessed SHC STI services in the past 12 months	6%
Condoms are easy to get in the community	37%
Buys own condom	28%
Last HIV test was in SHC	75%

ATTITUDE	
Feels at risk for HIV	60%
Knows where to get tested for HIV	14%
Ever tested for HIV	5%
% of MSM who had an HIV test in the past 12 months and got results	<1%
% who got results of those who had an HIV test in the past 12 months	33%
Knows SHC has male STI services	18%
Comfortable to go to SHC for HIV Testing	74%
Comfortable to go to SHC for STI Consultation	71%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	7%
Feels no need to get tested	29%
Don't know where to get tested	57%
Testing facility too far	<1%
No money for testing	3%
Other reasons	3%

Prevalence

PREVALENCE	
HIV	0.00%
Syphilis	0.00%

# General Santos City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

**IHBSS Inclusion Criteria:** Male or female, 15 years and older, who injected drugs not prescribed by a physician, in the past 6 months.

### Injecting Drug Users

#### Demographic Profile

TOTAL SAMPLE	
366	

AGE	
Age Range (Median)	16-48 (22)
15 to 17 years old	4%
18 to 24 years old	63%
25 years and older	33%

EDUCATION	
No grade completed	3%
Elementary	18%
High School	55%
Vocational/ College/ Post Graduate	23%

CIVIL STATUS	
Single	87%
Married	12%
Separated/Widow(er)	2%

OTHERS	
Male	96%
Female	4%
With Children	19%
Student	28%
New resident of the city	<1%
Presently living with a partner	45%
Partner is also an IDU	1%

#### Drug Use

AGE PROFILE (range, median)	
Age first used drugs	10-30 (15)
Age first injected drugs	14-40 (18)

NUMBER OF YEARS AS AN IDU	
Less than 1 year to 2 years	25%
3 to 5 years	39%
More than 5 years	36%

Injecting Behavior	15 to 17	18 to 24	25 older	Total
Injected in another city (past year)	-	5%	14%	8%
Shared needles in another city (past year)	0%	3%	11%	6%
<i>Did not share needles in another city (past year)</i>	0%	3%	3%	3%
<i>No response</i>	100%	94%	85%	91%

Last injected drugs in a shooting gallery in the past 12 months	-	2%	2%	2%
<i>Last injected drugs in a shooting gallery but NOT in the past 12 months</i>	-	-	-	-
<i>Did not inject in a shooting gallery during last injection</i>	100%	98%	98%	98%

Clean needle source	13%	28%	45%	33%
Safe cleaning practice	-	5%	14%	8%
Threw used needle in a gallon or container	7%	4%	5%	4%

Shared needles during last injection	100%	93%	85%	91%
Number of visit in a shooting gallery per month (mean)	1-4 (2)			

Frequency of Injection in a Year	15 to 17	18 to 24	25 older	Total
At least once a month	80%	68%	52%	63%
At least once a week	13%	28%	38%	31%
At least once a day	7%	4%	10%	6%
More than once a day	-	<1%	-	<1%

VENUE DURING LAST INJECTION	
Tambayan in General Santos	2%
Respondent's House	15%
House of another IDU	84%

DRUGS USUALLY INJECTED	
Nalbuphine/Nubain	99%
Heroin	<1%
Shabu/Milkshake	<1%
Other drugs	<1%

## Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	9-24 (15)
Age of first sex with another male	14-23 (17)
Age first accepted payment for sex	14-23 (18)
Age first bought sex	13-25 (18)
Age of first condom use	13-35 (17)

NUMBER OF SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-40 (5)
Non-paying female partner (past 12 months)	1-15 (2)
Paid partner/ Sex worker (past month)	1-10 (3)
Paying partners/ Client (past month)	1-2 (1)
MSM partner (past 12 months)	1-6 (2)

Non-paying Behavior	15 to 17	18 to 24	25 older	Total
Had sex with a non-paying partner in the past 12 months	93%	94%	92%	93%
<i>Had sex with a non-paying partner but <u>NOT</u> in the past 12 months</i>	7%	6%	8%	7%
<i>Never had a non-paying partner</i>	-	-	-	-
Used a condom last vaginal sex in the past 12 months	8%	10%	10%	10%

MSM Behavior	15 to 17	18 to 24	25 older	Total
Had anal sex in the past 12 months	-	2%	2%	2%
<i>Have had anal sex but <u>NOT</u> in the past 12 months</i>	8%	3%	3%	3%
<i>Never had anal sex</i>	92%	95%	96%	95%
Used a condom last anal sex in the past 12 months	-	20%	50%	29%

Sex worker Behavior	15 to 17	18 to 24	25 older	Total
Accepted cash for sex in the past 12 months	7%	6%	2%	5%
<i>Accepted cash for sex but <u>NOT</u> in the past 12 months</i>	-	-	2%	1%
<i>Never accepted cash for sex</i>	93%	94%	96%	94%
Used a condom last sex with a paying partner in the past 12 months	100%	0%	0%	6%

Client Behavior	15 to 17	18 to 24	25 older	Total
Was a client of sex workers in the past 12 months	7%	9%	16%	11%
<i>Was a client of sex workers but <u>NOT</u> in the past 12 months</i>	-	5%	9%	6%
<i>Never been a client of a sex worker</i>	93%	86%	75%	83%
Used a condom last paid sex in the past 12 months	-	30%	74%	50%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 older	Total
Healthy looking person can have HIV	87%	94%	97%	95%
Having only one faithful uninfected partner	93%	89%	89%	89%
Using condoms reduces the risk for HIV	93%	94%	97%	95%
A person can get HIV from mosquitoes	53%	73%	80%	75%
A person can get HIV in toilet bowls	73%	74%	88%	78%
Sharing needles can increase risk for HIV	93%	94%	90%	93%
Correct on all 6 knowledge questions	53%	53%	67%	57%

HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	4%
Approached about injecting drug use in the past 12 months	7%
Received free needles in the past 12 months	1%
Taught how to clean needles in the past 12 months	13%
SHC reach in the past 12 months	8%

ACCESS	
Had STI in the past 12 months	2%
Accessed SHC STI services in the past 12 months	2%
Last HIV test was in SHC	50%

ATTITUDE	
Feels at risk for HIV	46%
Knows where to get tested for HIV	49%
Ever tested for HIV	1%
% of IDU who had an HIV test in the past 12 months and got results	0%
% who got results of those who had an HIV test in the past 12 months	0%
Knows SHC has male STI services	48%
Comfortable to go to SHC for HIV Testing	72%
Comfortable to go to SHC for STI Consultation	88%

Prevalence

PREVALENCE	
HIV	0.00%
Syphilis	0.00%
HCV	0.00%

HIV Prevalence per IHBSS Year	2005	2007	2009	2011
	0.00%	0.00%	0.00%	0.00%
<i>Total Sample</i>	<i>n = 240</i>	<i>n = 250</i>	<i>n = 302</i>	<i>n = 360</i>



# General Santos City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Occupational Cohort of Men** Born male, 15 years and older, who paid a female in exchange for sex in the past 12 months

### Occupational Cohort of Men (Deep Sea Fishermen)

#### Demographic Profile

AGE	
Total Sample	295
Age Range (Median)	15-65 (29)
15 to 17 years old	16 (5%)
18 to 24 years old	91 (31%)
25 years and older	188 (64%)

EDUCATION	
No grade completed	26 (9%)
Elementary	120 (41%)
High School	128 (44%)
Vocational/ College/ Post Graduate	20 (7%)

CIVIL STATUS	
Single	145 (49%)
Married	140 (47%)
Separated/Widower	10 (3%)
Presently living with a partner	158 (54%)

OTHERS	
With Children	154 (52%)
Student	12 (4%)
New resident of the city	6 (2%)

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	7-35 (18)
Age first bought sex	7-52 (20)
Age of first condom use	13-45 (23)

NUMBER OF SEX PARTNERS (range, mean)	
Paid female sex partner (past 12 months)	1-20 (2)
Paid female sex partner (past month)	1-8 (1)
Permanent non-paying female sex partner (past month)	0-6 (1)

Frequency of having sex with a paid female partner	15 to 17	18 to 24	25 & older	Total
Once a week	2 (12%)	2 (2%)	5 (3%)	9 (3%)
Twice a month	-	5 (5%)	7 (4%)	12 (4%)
Once a month	5 (31%)	18 (20%)	55 (29%)	78 (26%)
Once in 3 months	1 (6%)	18 (20%)	37 (20%)	56 (19%)
Twice a year	2 (12%)	16 (18%)	26 (14%)	44 (15%)
Once a year	5 (31%)	32 (35%)	55 (29%)	92 (31%)
Others	1 (6%)	-	3 (2%)	4 (1%)

Sexual Practice	15 to 17	18 to 24	25 & older	Total
Had sex with non-paid female partner in the past 12 months	9 (56%)	67 (74%)	155 (82%)	231 (78%)
<b>Condom Use</b>				
Condom use last sex with non-paid female partner	-	3 (7%)	15 (13%)	18 (11%)
Condom use last sex with paid female partner	1 (6%)	7 (8%)	19 (10%)	27 (9%)
<b>Reasons for not using condom during last sex with paid female partner</b>				
Condom not available	5 (33%)	15 (18%)	45 (27%)	65 (24%)
Condoms are expensive	-	2 (2%)	-	2 (1%)
Partner objected	-	1 (1%)	2 (1%)	3 (1%)
Does not know how to use condom	1 (7%)	16 (19%)	13 (8%)	30 (11%)
Does not like condoms	6 (40%)	38 (45%)	85 (51%)	129 (49%)
Not necessary	3 (20%)	11 (13%)	17 (10%)	31 (12%)
Forgot to put on condom	-	1 (1%)	4 (2%)	5 (2%)
Other reasons	-	-	1 (1%)	1 (<1%)

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	3 (19%)	12 (13%)	12 (6%)	27 (9%)
<i>Did not use drugs in the past 12 months</i>	1 (6%)	23 (25%)	51 (27%)	75 (25%)
<i>No response</i>	12 (75%)	56 (62%)	125 (66%)	193 (65%)

Knowledge	15 to 17	18 to 24	25 & older	Total
Correctly answered knowledge questions				
Healthy looking person can have HIV	9 (56%)	56 (63%)	119 (64%)	184 (63%)
Having only one faithful uninfected partner	13 (81%)	75 (83%)	161 (87%)	249 (86%)
Using condoms reduces the risk for HIV	11 (69%)	76 (84%)	155 (83%)	242 (83%)
A person can get HIV from mosquitoes	7 (44%)	53 (59%)	90 (48%)	150 (51%)
A person can get HIV in toilet bowls	7 (44%)	57 (63%)	77 (42%)	141 (48%)
Correct on all 5 knowledge questions	2 (12%)	29 (32%)	35 (19%)	66 (22%)

### HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	4 (1%)
Received free condoms in the past 12 months (SHC, NGO)	6 (2%)
Approached to talk about IDU (past 12 months)	7 (2%)
SHC reach	1 (<1%)
Visited or consulted SHC/CHO in the past 12 months	4 (1%)

ACCESS	
Recently with STI (past 12 months)	29 (10%)
Accessed SHC STI services (past 12 months)	5 (2%)
Condoms are easy to get in the community	105 (36%)
Buys own condom	40 (14%)

ATTITUDE	
Feels at risk for HIV	210 (72%)
Knows where to get tested for HIV	28 (9%)
Ever tested for HIV	9 (3%)
% of OCM who had an HIV test in the past 12 months and got results	1 (<1%)

### Prevalence

PREVALENCE	
HIV	-
Syphilis	1 (<1%)

# Iloilo City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

Sites Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	300	300
Age Range (Median)	16-52 (23)	18-53 (24)
15 to 17 years old	1%	-
18 to 24 years old	59%	56%
25 years and older	40%	44%

	EDUCATION	
	FFSW	RFSW
No grade completed	4%	1%
Elementary	35%	22%
High School	55%	62%
Vocational/ College/ Post Graduate	7%	14%

### Work Profile

WORK PROFILE	
FFSW only	50%
RFSW Only	46%
FFSW who works in an establishment	-
RFSW who works in cruising sites	4%

	CIVIL STATUS	
	FFSW	RFSW
Single	87%	90%
Married	5%	7%
Separated/Widowed	7%	3%
Presently living with a partner	40%	52%

	OTHERS	
	FFSW	RFSW
With Children	64%	59%
Student	7%	4%
New resident of the city	25%	27%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	42%	67%
Selected times of the year	41%	21%
As the need arose	17%	12%

Number of times worked as a sex worker in the past week (mean)	1-7 (5)	1-7 (5)
--	---------	---------

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	5-25 (17)	6-26 (18)
Age first accepted payment for sex	7-49 (19)	13-39 (20)
Age of first condom use	12-38 (19)	13-41 (20)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-80 (12)	1-40 (6)
Returning client (past month)	1-30 (4)	1-17 (2)
Permanent non-paying partner (past month)	1-4 (1)	1-4 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	25%	-	22%	6%	32%	9%	26%	7%
Condom use last sex with client	75%	-	55%	51%	50%	56%	53%	53%
Number of sex acts with returning client in a month (mean)	1-10 (5)	-	1-35 (6)	1-20 (3)	1-30 (5)	1-15 (3)	1-35 (5)	1-20 (3)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	2%	4%
Cannot afford to buy condoms	-	-
Partner objected	59%	52%
Do not know how to use condom	1%	1%
Doesn't like condom	27%	24%
Not necessary	8%	19%
Forgot to use condom	1%	-
Other responses	1%	-

Non-paying Behavior	15 to 17		18 to 24		25 older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	50%	-	63%	62%	54%	68%	59%	64%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	50%	-	37%	38%	45%	32%	40%	36%
<i>No response</i>	-	-	-	-	1%	-	<1%	-

Condom use last sex with non-paying partner	-	-	20%	19%	8%	10%	15%	15%
Number of sex acts with permanent partner in a month (mean)	5-20 (12)	-	1-99 (8)	1-60 (8)	1-35 (7)	1-80 (7)	1-99 (8)	1-80 (7)

**Drug use**

Drug Use	15 to 17		18 to 24		25 older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	50%	-	23%	16%	25%	18%	24%	17%
<i>Did not use drugs in the past 12 months</i>	-	-	24%	15%	32%	19%	27%	17%
<i>Never used drugs</i>	50%	-	53%	69%	43%	63%	49%	67%

Injected drugs in the past 12 months	-	-	2%	-	1%	-	3%	-
<i>Did not inject drugs in the past 12 months</i>	-	-	4%	-	1%	-	2%	-
<i>Never injected drugs</i>	100%	-	94%	100%	97%	100%	96%	100%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	25%	-	40%	42%	55%	52%	46%	46%
Having only one faithful uninfected partner	75%	-	77%	84%	79%	83%	78%	84%
Using condoms reduces the risk for HIV	75%	-	73%	89%	73%	86%	73%	88%
A person can get HIV from mosquitoes	-	-	52%	87%	55%	88%	53%	87%
A person can get HIV in toilet bowls	25%	-	55%	84%	58%	94%	56%	88%
Correct on all 5 knowledge questions	-	-	9%	26%	16%	34%	12%	29%

HIV  
Intervention

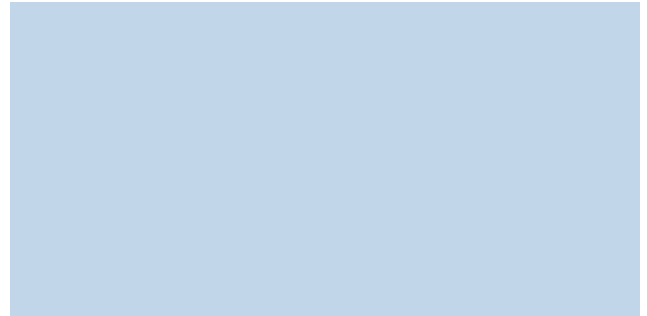
EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	58%	96%
Received free condoms in the past 12 months (SHC,NGO)	64%	86%
Approached to talk about IDU past 12 months	54%	85%
SHC reach in the past 12 months	66%	97%
Visited or consulted SHC/CHO in the past 12 months	45%	97%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	62%	51%
Knows where to get tested for HIV	44%	68%
Ever tested for HIV	37%	57%
% of FSW who had an HIV test in the past 12 months and got results	1%	9%
% who got results of those who had an HIV test in the past 12 months	75%	84%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.33%	0.33%
Syphilis	4.67%	0.33%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	12%	8%
Accessed SHC STI services (past 12 months)	86%	100%
Had vaginal smear at the SHC (past 12 months)	48%	98%
Condoms are easy to get in the community	88%	84%
Buys own condom	66%	55%
Last HIV test was in SHC	95%	96%



# Iloilo City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	300
Age Range (Median)	15-55 (22)
15 to 17 years old	13%
18 to 24 years old	52%
25 years and older	35%

EDUCATION	
No grade completed	1%
Elementary	10%
High School	55%
Vocational/ College/ Post Graduate	33%

CIVIL STATUS	
Single	98%
Married	2%
Separated/Widower	-

Presently living with a partner	20%
---------------------------------	-----

OTHERS	
With Children	7%
Student	20%
New resident of the city	6%
Member of a social networking website	12%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	6-24 (15)
Age of first sex with another male	6-27 (15)
Age first accepted payment for sex	7-33 (17)
Age first bought sex	11-35 (19)
Age of first condom use	7-39 (18)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-120 (11)
Non-paying male partner (past month)	1-40 (3)
One time sex partner (past month)	1-40 (2)
More than one time sex partner (past month)	1-10 (2)
Clients (past 12 months)	1-60 (8)
Clients (past month)	1-12 (3)
Sex workers (past 12 months)	1-999 (22)
Sex workers (past month)	1-50 (4)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	21%	28%	19%	24%
Anal receiver only	33%	27%	38%	32%
Anal inserter only	38%	27%	12%	23%
Both anal receiver and inserter	8%	18%	31%	21%

Had anal sex in the past 12 months	77%	64%	76%	70%
Have had anal sex but <b>NOT</b> in the past 12 months	3%	7%	5%	6%
Never had anal sex	21%	29%	19%	24%

Used a condom during last anal sex in the past 12 months	7%	16%	19%	16%
Reason for not using a condom during last anal sex				
Condom not available	45%	38%	25%	34%
Cannot afford to buy condoms	-	-	-	-
Partner objected	17%	10%	17%	14%
Do not know how to use condom	3%	1%	4%	3%
Doesn't like condom	24%	37%	33%	34%
Not necessary	10%	12%	13%	12%
Forgot to use a condom	-	2%	1%	2%
Other responses	-	-	6%	2%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	3%	7%	10%	7%

Number of sex acts in a month with more than one time sex partner (mean)	1-5 (2)	1-15 (3)	1-20 (4)	1-20 (3)
--	---------	----------	----------	----------

Participated in an orgy in the past 12 months	5%	15%	19%	15%
<i>Did not participate in an orgy in the past 12 months</i>	5%	7%	9%	7%
<i>No response</i>	90%	78%	72%	77%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	38%	41%	16%	32%
<i>Did not have sex with a female in the past 12 months</i>	5%	7%	16%	10%
<i>No response</i>	56%	52%	67%	58%
Used a condom during last vaginal sex in the past 12 months	10%	25%	21%	23%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	59%	56%	42%	52%
<i>Accepted cash for sex but NOT in the past 12 months</i>	3%	3%	2%	2%
<i>Never accepted cash for sex</i>	38%	41%	56%	46%
Used a condom during last paying sex in the past 12 months	12%	21%	25%	21%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	8%	19%	44%	27%
<i>Was a client of sex workers but NOT in the past 12 months</i>	3%	3%	7%	4%
<i>Never been a client of a sex worker</i>	89%	78%	49%	69%
Used a condom during last paid sex in the past 12 months	50%	18%	11%	15%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	21%	22%	22%	22%
<i>Did not use drugs in the past 12 months</i>	8%	17%	23%	18%
<i>Never used drugs</i>	72%	62%	55%	61%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	2%	1%
<i>Never injected drugs</i>	100%	100%	98%	99%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	36%	36%	52%	42%
Having only one faithful uninfected partner	62%	70%	67%	68%
Using condoms reduces the risk for HIV	67%	68%	75%	70%
A person cannot get HIV from mosquitoes	44%	50%	43%	47%
A person cannot get HIV in toilet bowls	41%	52%	56%	52%
Correct on all 5 knowledge questions	3%	9%	12%	9%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	17%
Received free condoms in the past 12 months (SHC, NGO)	23%
Received free lubricants in the past 12 months (SHC, NGO)	2%
SHC reach in the past 12 months	22%
Visited or consulted SHC/CHO in the past 12 months	18%

ACCESS	
Had STI in the past 12 months	7%
Accessed SHC STI services in the past 12 months	20%
Condoms are easy to get in the community	62%
Buys own condom	31%
Last HIV test was in SHC	29%

ATTITUDE	
Feels at risk for HIV	60%
Knows where to get tested for HIV	41%
Ever tested for HIV	7%
% of MSM who had an HIV test in the past 12 months and got results	2%
% who got results of those who had an HIV test in the past 12 months	56%
Knows SHC has male STI services	36%
Comfortable to go to SHC for HIV Testing	62%
Comfortable to go to SHC for STI Consultation	60%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	13%
Feels no need to get tested	49%
Don't know where to get tested	36%
Testing facility too far	-
No money for testing	1%
Other reasons	1%

Prevalence

PREVALENCE	
HIV	0.33%
Syphilis	6.33%



# Iloilo City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

*Inclusion Criteria: Born male, 15 years or older, who worked outside of the Philippines within the past 5 years, and who reported having paid a female or male in cash or in kind in exchange for sex in the past 12 months*

### Male Overseas Filipino Workers (MOFW)

#### Demographic Profile

AGE	
Total Sample	204
Age Range (Median)	26-59 (40)
15 to 17 years old	-
18 to 24 years old	-
25 years and older	204 (100%)

EDUCATION	
No grade completed	-
Elementary	-
High School	1 (< 1%)
Vocational/ College/ Post Graduate	201 (99%)

CIVIL STATUS	
Single	31 (15%)
Married	162 (80%)
Separated/Widower	10 (5%)
Presently living with a partner	180 (88%)

OTHERS	
With Children	161 (79%)
New resident of the city	2 (<1%)

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	12-26 (18)
Age first bought sex	15-35 (22)
Age of first condom use	14-35 (21)

Frequency of having sex with a paid female partner while in the Philippines (past 12 months)	
Once a week	-
Twice a month	3 (2%)
Once a month	14 (10%)
Once in 3 months	17 (12%)
Twice a year	48 (33%)
Once a year	59 (41%)
Others	3 (2%)

NUMBER OF SEX PARTNERS (range, mean)	
Paid female sex partner while in the Philippines (past 12 months)	1-13 (2)
Paid female sex partner while in the Philippines (past month)	1-3 (1)
Paid female sex partner while working abroad (past 12 months)	0-10 (1)
Non-paying female sex partner while in the Philippines (past 12 months)	1-8 (2)
Non-paying female sex partner while working abroad (past 12 months)	1-3 (1%)

CONDOM USE	
Condom use last sex with non-paying female partner in the Philippines	34 (17%)
Condom use last sex with paid female partner in the Philippines	94 (46%)
Reasons for not using condom during last sex with paid female partner in the Philippines	
Condom not available	5 (10%)
Condoms are expensive	-
Partner objected	4 (8%)
Does not know how to use condom	-
Does not like condoms	9 (18%)
Not necessary	31 (62%)
Forgot to put on condom	1 (2%)

#### Drug Use

DRUG USE	
Used drugs in the past 12 months	-

Knowledge

Correctly answered knowledge questions	
Healthy looking person can have HIV	107 (52%)
Having only one faithful uninfected partner	202 (99%)
Using condoms reduces the risk for HIV	201 (99%)
A person can get HIV from mosquitoes	152 (75%)
A person can get HIV in toilet bowls	161 (79%)
Correct on all 5 knowledge questions	87 (43%)

HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	15 (7%)
Received free condoms in the past 12 months (SHC, NGO)	8 (4%)
Approached to talk about IDU (past 12 months)	2 (1%)
SHC reach	-
Visited or consulted SHC/CHO in the past 12 months	6 (3%)

ATTITUDE	
Feels at risk for HIV	68 (33%)
Knows where to get tested for HIV	131 (64%)
Ever tested for HIV	198 (97%)
MOFW who had an HIV test in the past 12 months and got results	137 (67%)

ACCESS	
Recently with STI (past 12 months)	5 (2%)
Accessed SHC STI services (past 12 months)	7 (3%)
Condoms are easy to get in the community	184 (91%)
Buys own condom	71 (35%)

Prevalence

PREVALENCE	
HIV	-
Syphilis	-

# Mandaue City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	301	300
Age Range (Median)	15-51 (20)	17-44 (23)
15 to 17 years old	24%	<1%
18 to 24 years old	46%	64%
25 years and older	30%	35%

	EDUCATION	
	FFSW	RFSW
No grade completed	1%	1%
Elementary	28%	4%
High School	61%	69%
Vocational/ College/ Post Graduate	10%	27%

	CIVIL STATUS	
	FFSW	RFSW
Single	84%	92%
Married	11%	7%
Separated/Widowed	5%	2%
Presently living with a partner	36%	32%

	OTHERS	
	FFSW	RFSW
With Children	48%	55%
Student	10%	4%
New resident of the city	9%	34%

### Work Profile

WORK PROFILE	
FFSW only	45%
RFSW Only	45%
FFSW who works in an establishment	5%
RFSW who works in cruising sites	5%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	21%	19%
Selected times of the year	13%	26%
As the need arose	66%	55%

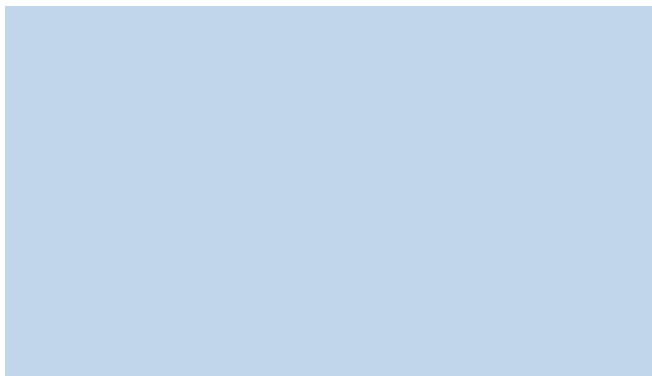
Number of times worked as a sex worker in the past week (mean)	1-7 (5)	1-7 (3)
--	---------	---------

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	10-27 (16)	7-28 (18)
Age first accepted payment for sex	12-40 (18)	14-32 (20)
Age of first condom use	13-40 (18)	14-32 (19)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-36 (12)	1-35 (6)
Returning client (past month)	1-30 (4)	1-15 (3)
Permanent non-paying partner (past month)	1-7 (1)	1-15 (2)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	4%	0%	1%	4%	10%	4%	4%	4%
Condom use last sex with client	34%	100%	34%	64%	33%	69%	34%	66%
Number of sex acts with returning client in a month (mean)	1-6 (2)	2	1-10 (2)	1-16 (4)	1-10 (3)	2-11 (4)	1-10 (2)	1-16 (4)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	29%	4%
Cannot afford to buy condoms	-	-
Partner objected	16%	34%
Do not know how to use condom	2%	-
Doesn't like condom	40%	50%
Not necessary	8%	11%
Forgot to use condom	1%	1%
Other responses	3%	1%

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	56%	100%	58%	42%	50%	48%	55%	44%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	44%	-	42%	58%	50%	52%	45%	56%
<i>No response</i>	-	-	-	-	-	-	-	-

Condom use last sex with non-paying partner	24%	100%	10%	22%	19%	19%	16%	21%
Number of sex acts with permanent partner in a month (mean)	1-8 (3)	2	1-30 (4)	1-30 (4)	1-25 (4)	1-15 (4)	1-30 (3)	1-30 (4)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	21%	100%	36%	9%	20%	11%	27%	10%
<i>Did not use drugs in the past 12 months</i>	4%	-	3%	3%	8%	3%	5%	3%
<i>Never used drugs</i>	75%	-	62%	88%	72%	86%	68%	87%

Injected drugs in the past 12 months	-	-	3%	-	-	-	2%	-
<i>Did not inject drugs in the past 12 months</i>	21%	-	26%	-	22%	13%	24%	5%
<i>Never injected drugs</i>	79%	100%	71%	100%	78%	87%	74%	95%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	70%	100%	80%	97%	71%	96%	75%	97%
Having only one faithful uninfected partner	62%	-	64%	63%	59%	51%	62%	59%
Using condoms reduces the risk for HIV	51%	100%	73%	94%	68%	89%	66%	92%
A person can get HIV from mosquitoes	60%	100%	60%	93%	64%	94%	61%	93%
A person can get HIV in toilet bowls	55%	100%	52%	93%	66%	97%	57%	95%
Correct on all 5 knowledge questions	8%	-	11%	56%	22%	43%	14%	51%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	56%	90%
Received free condoms in the past 12 months (SHC,NGO)	62%	89%
Approached to talk about IDU past 12 months	57%	92%
SHC reach in the past 12 months	39%	95%
Visited or consulted SHC/CHO in the past 12 months	8%	87%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	70%	40%
Knows where to get tested for HIV	43%	87%
Ever tested for HIV	11%	55%
% of FSW who had an HIV test in the past 12 months and got results	2%	48%
% who got results of those who had an HIV test in the past 12 months	62%	98%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.00%	0.00%
Syphilis	1.99%	0.33%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	2%	3%
Accessed SHC STI services (past 12 months)	39%	99%
Had vaginal smear at the SHC (past 12 months)	15%	80%
Condoms are easy to get in the community	72%	86%
Buys own condom	39%	42%
Last HIV test was in SHC	91%	93%

# Mandaue City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	301
Age Range (Median)	15-58 (21)
15 to 17 years old	17%
18 to 24 years old	53%
25 years and older	30%

CIVIL STATUS	
Single	98%
Married	1%
Separated/Widower	<1%

Presently living with a partner	12%
---------------------------------	-----

EDUCATION	
No grade completed	0%
Elementary	11%
High School	65%
Vocational/ College/ Post Graduate	24%

OTHERS	
With Children	8%
Student	14%
New resident of the city	5%
Member of a social networking website	4%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	4-22 (15)
Age of first sex with another male	7-26 (15)
Age first accepted payment for sex	9-26 (16)
Age first bought sex	13-29 (17)
Age of first condom use	11-30(17)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-99 (11)
Non-paying male partner (past month)	1-18 (3)
One time sex partner (past month)	1-8 (2)
More than one time sex partner (past month)	1-10 (1)
Clients (past 12 months)	1-30 (9)
Clients (past month)	1-10 (3)
Sex workers (past 12 months)	1-30 (6)
Sex workers (past month)	1-10 (2)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	41%	36%	41%	39%
Anal receiver only	18%	24%	20%	22%
Anal inserter only	29%	23%	23%	24%
Both anal receiver and inserter	12%	16%	16%	16%

Had anal sex in the past 12 months	37%	48%	37%	43%
Have had anal sex but <b>NOT</b> in the past 12 months	2%	1%	1%	1%
Never had anal sex	61%	51%	62%	56%

Used a condom during last anal sex in the past 12 months	32%	27%	24%	27%
Reason for not using a condom during last anal sex				
Condom not available	40%	30%	22%	29%
Cannot afford to buy condoms	7%	-	-	1%
Partner objected	13%	35%	33%	31%
Do not know how to use condom	13%	-	-	2%
Doesn't like condom	20%	30%	33%	29%
Not necessary	-	5%	4%	4%
Forgot to use a condom	7%	-	7%	3%
Other responses	-	-	-	-

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	8%	14%	13%	13%

Number of sex acts in a month with more than one time sex partner (mean)	2-9 (3)	1-20 (4)	1-10 (4)	1-20 (4)
--	---------	----------	----------	----------

Participated in an orgy in the past 12 months	-	2%	-	1%
<i>Did not participate in an orgy in the past 12 months</i>	6%	12%	13%	11%
<i>No response</i>	94%	86%	87%	88%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	22%	38%	35%	35%
<i>Did not have sex with a female in the past 12 months</i>	4%	1%	5%	3%
<i>No response</i>	75%	61%	59%	63%
Used a condom during last vaginal sex in the past 12 months	10%	31%	42%	32%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	63%	71%	51%	63%
<i>Accepted cash for sex but NOT in the past 12 months</i>	2%	-	-	<1%
<i>Never accepted cash for sex</i>	35%	29%	49%	36%
Used a condom during last paying sex in the past 12 months	26%	29%	15%	26%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	12%	28%	41%	29%
<i>Was a client of sex workers but NOT in the past 12 months</i>	-	1%	2%	1%
<i>Never been a client of a sex worker</i>	88%	71%	57%	70%
Used a condom during last paid sex in the past 12 months	67%	33%	14%	26%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	-	37%	37%	32%
<i>Did not use drugs in the past 12 months</i>	14%	3%	8%	4%
<i>Never used drugs</i>	86%	60%	55%	64%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	20%	77%	56%	60%
<i>Never injected drugs</i>	80%	23%	44%	40%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	80%	86%	95%	88%
Having only one faithful uninfected partner	67%	58%	56%	59%
Using condoms reduces the risk for HIV	94%	93%	93%	93%
A person cannot get HIV from mosquitoes	92%	94%	98%	95%
A person cannot get HIV in toilet bowls	94%	96%	98%	96%
Correct on all 5 knowledge questions	55%	45%	45%	47%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	55%
Received free condoms in the past 12 months (SHC, NGO)	66%
Received free lubricants in the past 12 months (SHC, NGO)	<1%
SHC reach in the past 12 months	63%
Visited or consulted SHC/CHO in the past 12 months	58%

ACCESS	
Had STI in the past 12 months	3%
Accessed SHC STI services in the past 12 months	58%
Condoms are easy to get in the community	76%
Buys own condom	14%
Last HIV test was in SHC	79%

ATTITUDE	
Feels at risk for HIV	21%
Knows where to get tested for HIV	86%
Ever tested for HIV	10%
% of MSM who had an HIV test in the past 12 months and got results	6%
% who got results of those who had an HIV test in the past 12 months	95%
Knows SHC has male STI services	62%
Comfortable to go to SHC for HIV Testing	86%
Comfortable to go to SHC for STI Consultation	88%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	79%
Feels no need to get tested	11%
Don't know where to get tested	10%
Testing facility too far	-
No money for testing	<1%
Other reasons	-

Prevalence

PREVALENCE	
HIV	0.33%
Syphilis	3.33%



# Mandaue City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

**IHBSS Inclusion Criteria:** Male or female, 15 years and older, who injected drugs not prescribed by a physician, in the past 6 months.

### Injecting Drug Users

#### Demographic Profile

TOTAL SAMPLE	
311	

AGE	
Age Range (Median)	15-50 (21)
15 to 17 years old	12%
18 to 24 years old	64%
25 years and older	24%

EDUCATION	
No grade completed	5%
Elementary	61%
High School	31%
Vocational/ College/ Post Graduate	3%

CIVIL STATUS	
Single	89%
Married	11%
Separated/Widow(er)	-

OTHERS	
Male	97%
Female	3%
With Children	21%
Student	8%
New resident of the city	<1%
Presently living with a partner	19%
Partner is also an IDU	9%

#### Drug Use

AGE PROFILE (range, median)	
Age first used drugs	7-40 (16)
Age first injected drugs	12-40 (18)

NUMBER OF YEARS AS AN IDU	
Less than 1 year to 2 years	32%
3 to 5 years	38%
More than 5 years	30%

Injecting Behavior	15 to 17	18 to 24	25 older	Total
Injected in another city (past year)	73%	85%	88%	84%
Shared needles in another city (past year)	41%	43%	45%	43%
<i>Did not share needles in another city (past year)</i>	43%	44%	45%	44%
<i>No response</i>	16%	13%	9%	13%

Last injected drugs in a shooting gallery in the past 12 months	56%	56%	64%	58%
<i>Last injected drugs in a shooting gallery but NOT in the past 12 months</i>	11%	15%	13%	14%
<i>Did not inject in a shooting gallery during last injection</i>	33%	29%	23%	28%

Clean needle source	30%	39%	43%	39%
Safe cleaning practice	22%	26%	27%	25%
Threw used needle in a gallon or container	8%	14%	12%	13%

Shared needles during last injection	41%	40%	36%	39%
Number of visit in a shooting gallery per month (mean)	1-7 (2)			

Frequency of Injection in a Year	15 to 17	18 to 24	25 older	Total
At least once a month	30%	24%	23%	25%
At least once a week	35%	34%	37%	35%
At least once a day	27%	33%	23%	30%
More than once a day	8%	8%	17%	10%

VENUE DURING LAST INJECTION	
Shooting Gallery in Kamagayan	62%
Shooting Gallery in Cebu but not in Kamagayan	10%
Tambayan in General Santos City	1%
Respondent's House	12%
House of another IDU	15%
Other places	2%

DRUGS USUALLY INJECTED	
Nalbuphine/Nubain	98%
Heroin	-
Shabu/Milkshake	2%
Other drugs	-

## Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	9-26 (17)
Age of first sex with another male	12-31 (17)
Age first accepted payment for sex	10-31 (18)
Age first bought sex	13-40 (20)
Age of first condom use	9-42 (17)

NUMBER OF SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-30 (3)
Non-paying female partner (past 12 months)	1
Paid partner/ Sex worker (past month)	1-6 (2)
Paying partners/ Client (past month)	1-10 (2)
MSM partner (past 12 months)	1-50 (3)

Non-paying Behavior	15 to 17	18 to 24	25 older	Total
Had sex with a non-paying partner in the past 12 months	57%	66%	82%	69%
<i>Had sex with a non-paying partner but NOT in the past 12 months</i>	19%	27%	18%	24%
<i>Never had a non-paying partner</i>	24%	7%	-	8%
Used a condom last vaginal sex in the past 12 months	29%	35%	27%	32%

MSM Behavior	15 to 17	18 to 24	25 older	Total
Had anal sex in the past 12 months	15%	13%	10%	12%
<i>Have had anal sex but NOT in the past 12 months</i>	9%	7%	3%	6%
<i>Never had anal sex</i>	76%	80%	88%	81%
Used a condom last anal sex in the past 12 months	20%	36%	29%	32%

Sex worker Behavior	15 to 17	18 to 24	25 older	Total
Accepted cash for sex in the past 12 months	22%	23%	19%	22%
<i>Accepted cash for sex but NOT in the past 12 months</i>	3%	7%	12%	8%
<i>Never accepted cash for sex</i>	76%	70%	69%	71%
Used a condom last sex with a paying partner in the past 12 months	25%	31%	29%	30%

Client Behavior	15 to 17	18 to 24	25 older	Total
Was a client of sex workers in the past 12 months	-	6%	25%	10%
<i>Was a client of sex workers but NOT in the past 12 months</i>	-	3%	13%	5%
<i>Never been a client of a sex worker</i>	100%	91%	61%	85%
Used a condom last paid sex in the past 12 months	-	25%	44%	37%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 older	Total
Healthy looking person can have HIV	62%	56%	63%	58%
Having only one faithful uninfected partner	57%	40%	53%	45%
Using condoms reduces the risk for HIV	54%	54%	68%	58%
A person can get HIV from mosquitoes	76%	70%	55%	67%
A person can get HIV in toilet bowls	78%	73%	68%	72%
Sharing needles can increase risk for HIV	89%	71%	80%	76%
Correct on all 6 knowledge questions	8%	4%	8%	5%

HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	11%
Approached about injecting drug use in the past 12 months	15%
Received free needles in the past 12 months	7%
Taught how to clean needles in the past 12 months	4%
SHC reach in the past 12 months	17%

ACCESS	
Had STI in the past 12 months	10%
Accessed SHC STI services in the past 12 months	13%
Last HIV test was in SHC	96%

ATTITUDE	
Feels at risk for HIV	54%
Knows where to get tested for HIV	24%
Ever tested for HIV	8%
% of IDU who had an HIV test in the past 12 months and got results	3%
% who got results of those who had an HIV test in the past 12 months	50%
Knows SHC has male STI services	27%
Comfortable to go to SHC for HIV Testing	95%
Comfortable to go to SHC for STI Consultation	90%

Prevalence

PREVALENCE	
HIV	3.59%
Syphilis	0.00%
HCV	50.65%

HIV Prevalence per IHBSS Year	2005	2007	2009	2011
	-	-	-	3.59%
<i>Total Sample</i>	-	-	-	<i>n = 306</i>

# San Fernando City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	85	63
Age Range (Median)	17-44 (23)	18-41 (23)
15 to 17 years old	1%	-
18 to 24 years old	54%	70%
25 years and older	45%	30%

	EDUCATION	
	FFSW	RFSW
No grade completed	4%	8%
Elementary	45%	40%
High School	49%	44%
Vocational/ College/ Post Graduate	2%	8%

### Work Profile

WORK PROFILE	
FFSW only	16%
RFSW Only	44%
FFSW who works in an establishment	39%
RFSW who works in cruising sites	1%

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	14-27 (18)	13-23 (18)
Age first accepted payment for sex	15-36 (20)	14-35 (20)
Age of first condom use	16-36 (19)	14-41 (20)

### CIVIL STATUS

	FFSW	RFSW
Single	90%	94%
Married	5%	3%
Separated/Widowed	5%	3%
Presently living with a partner	54%	33%

### OTHERS

	FFSW	RFSW
With Children	67%	58%
Student	1%	5%
New resident of the city	59%	53%

### NUMBER OF TIMES IN A YEAR

	FFSW	RFSW
All throughout the year	29%	34%
Selected times of the year	16%	15%
As the need arose	55%	52%

Number of times worked as a sex worker in the past week (mean)	1-7 (2)	1-7 (3)
--	---------	---------

### NUMBER OF MALE SEX PARTNERS (range, mean)

	FFSW	RFSW
Clients (past month)	1-30 (4)	1-60 (8)
Returning client (past month)	1-10 (2)	1-20 (4)
Permanent non-paying partner (past month)	1	1-3 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	-	-	5%	3%	3%	-	4%	2%
Condom use last sex with client	-	-	52%	67%	55%	68%	53%	68%
Number of sex acts with returning client in a month (mean)	2	-	1-12 (3)	1-24 (5)	1-25 (4)	1-7 (3)	1-25 (4)	1-24 (4)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	10%	-
Cannot afford to buy condoms	-	-
Partner objected	32%	42%
Do not know how to use condom	6%	-
Doesn't like condom	29%	50%
Not necessary	19%	8%
Forgot to use condom	3%	-
Other responses	-	-

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	-	-	59%	41%	68%	58%	62%	46%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	100%	-	41%	55%	32%	42%	38%	51%
<i>No response</i>	-	-	-	5%	-	-	-	3%

Condom use last sex with non-paying partner	-	-	16%	40%	26%	31%	21%	37%
Number of sex acts with permanent partner in a month (mean)	-	-	1-25 (6)	1-30 (7)	1-25 (6)	1-12 (5)	1-25 (6)	1-30 (6)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	-	-	3%	4%	-	13%	2%	8%
<i>Did not use drugs in the past 12 months</i>	-	-	74%	54%	62%	63%	70%	58%
<i>Never used drugs</i>	-	-	23%	42%	38%	25%	29%	35%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	45%	86%	22%	67%	35%	80%
<i>Never injected drugs</i>	-	-	55%	14%	78%	33%	65%	20%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	100%	-	89%	95%	89%	95%	89%	95%
Having only one faithful uninfected partner	100%	-	85%	98%	92%	94%	88%	97%
Using condoms reduces the risk for HIV	100%	-	93%	98%	100%	95%	96%	97%
A person can get HIV from mosquitoes	100%	-	91%	93%	89%	95%	90%	94%
A person can get HIV in toilet bowls	100%	-	74%	84%	78%	95%	76%	87%
Correct on all 5 knowledge questions	100%	-	64%	72%	74%	94%	69%	79%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	64%	85%
Received free condoms in the past 12 months (SHC,NGO)	67%	86%
Approached to talk about IDU past 12 months	54%	79%
SHC reach in the past 12 months	80%	87%
Visited or consulted SHC/CHO in the past 12 months	36%	81%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	60%	62%
Knows where to get tested for HIV	88%	90%
Ever tested for HIV	45%	69%
% of FSW who had an HIV test in the past 12 months and got results	14%	43%
% who got results of those who had an HIV test in the past 12 months	42%	64%

Prevalence

PREVALENCE	
	FSW
HIV	0.00%
Syphilis	0.00%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	9%	16%
Accessed SHC STI services (past 12 months)	73%	87%
Had vaginal smear at the SHC (past 12 months)	28%	78%
Condoms are easy to get in the community	71%	98%
Buys own condom	39%	43%
Last HIV test was in SHC	84%	93%

# San Fernando City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	150
Age Range (Median)	15-51 (20)
15 to 17 years old	23%
18 to 24 years old	61%
25 years and older	17%

EDUCATION	
No grade completed	1%
Elementary	7%
High School	61%
Vocational/ College/ Post Graduate	31%

CIVIL STATUS	
Single	96%
Married	4%
Separated/Widower	-

Presently living with a partner	19%
---------------------------------	-----

OTHERS	
With Children	9%
Student	61%
New resident of the city	19%
Member of a social networking website	14%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	9-27 (16)
Age of first sex with another male	9-29 (17)
Age first accepted payment for sex	12-25 (17)
Age first bought sex	13-29 (18)
Age of first condom use	12-31 (17)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-100 (8)
Non-paying male partner (past month)	1-30 (3)
One time sex partner (past month)	1-30 (3)
More than one time sex partner (past month)	1-10 (2)
Clients (past 12 months)	1-100 (14)
Clients (past month)	1-20 (4)
Sex workers (past 12 months)	1-50 (3)
Sex workers (past month)	1-10 (2)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	39%	53%	16%	44%
Anal receiver only	6%	8%	12%	8%
Anal inserter only	48%	28%	28%	32%
Both anal receiver and inserter	6%	11%	44%	16%

Had anal sex in the past 12 months	55%	43%	62%	49%
Have had anal sex but <b>NOT</b> in the past 12 months	3%	2%	8%	4%
Never had anal sex	42%	55%	29%	48%

Used a condom during last anal sex in the past 12 months	35%	14%	43%	25%
Reason for not using a condom during last anal sex				
Condom not available	60%	46%	27%	46%
Cannot afford to buy condoms	-	-	-	-
Partner objected	-	16%	9%	11%
Do not know how to use condom	-	-	-	-
Doesn't like condom	13%	11%	18%	13%
Not necessary	27%	24%	36%	27%
Forgot to use a condom	-	3%	9%	3%
Other responses	-	-	-	-

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	-	11%	16%	10%

Number of sex acts in a month with more than one time sex partner (mean)	1-7 (3)	1-20 (3)	1-12 (3)	1-20 (3)
--	---------	----------	----------	----------

Participated in an orgy in the past 12 months	9%	9%	28%	12%
<i>Did not participate in an orgy in the past 12 months</i>	26%	23%	16%	23%
<i>No response</i>	65%	68%	56%	65%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	65%	64%	36%	59%
<i>Did not have sex with a female in the past 12 months</i>	9%	15%	16%	14%
<i>No response</i>	26%	21%	48%	27%
Used a condom during last vaginal sex in the past 12 months	18%	31%	33%	29%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	72%	50%	35%	53%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	9%	-	6%
<i>Never accepted cash for sex</i>	28%	41%	65%	41%
Used a condom during last paying sex in the past 12 months	38%	15%	33%	25%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	10%	6%	45%	13%
<i>Was a client of sex workers but NOT in the past 12 months</i>	-	5%	9%	4%
<i>Never been a client of a sex worker</i>	90%	89%	45%	82%
Used a condom during last paid sex in the past 12 months	-	50%	-	20%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	5%	15%	30%	15%
<i>Did not use drugs in the past 12 months</i>	47%	43%	60%	46%
<i>Never used drugs</i>	47%	43%	10%	39%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	45%	54%	67%	54%
<i>Never injected drugs</i>	55%	46%	33%	46%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	79%	88%	76%	84%
Having only one faithful uninfected partner	82%	81%	71%	79%
Using condoms reduces the risk for HIV	79%	90%	84%	87%
A person cannot get HIV from mosquitoes	62%	60%	64%	61%
A person cannot get HIV in toilet bowls	79%	67%	76%	71%
Correct on all 5 knowledge questions	39%	35%	25%	34%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	17%
Received free condoms in the past 12 months (SHC, NGO)	17%
Received free lubricants in the past 12 months (SHC, NGO)	5%
SHC reach in the past 12 months	22%
Visited or consulted SHC/CHO in the past 12 months	14%

ACCESS	
Had STI in the past 12 months	7%
Accessed SHC STI services in the past 12 months	18%
Condoms are easy to get in the community	38%
Buys own condom	35%
Last HIV test was in SHC	73%



ATTITUDE	
Feels at risk for HIV	78%
Knows where to get tested for HIV	55%
Ever tested for HIV	10%
% of MSM who had an HIV test in the past 12 months and got results	4%
% who got results of those who had an HIV test in the past 12 months	67%
Knows SHC has male STI services	34%
Comfortable to go to SHC for HIV Testing	57%
Comfortable to go to SHC for STI Consultation	57%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	19%
Feels no need to get tested	38%
Don't know where to get tested	29%
Testing facility too far	-
No money for testing	13%
Other reasons	1%

Prevalence

PREVALENCE	
HIV	0.00%
Syphilis	0.67%

# Surigao City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	119	31
Age Range (Median)	15-36 (20)	17-37 (22)
15 to 17 years old	17%	3%
18 to 24 years old	62%	74%
25 years and older	21%	23%

	CIVIL STATUS	
	FFSW	RFSW
Single	96%	97%
Married	3%	3%
Separated/Widowed	2%	-
Presently living with a partner	16%	45%

	EDUCATION	
	FFSW	RFSW
No grade completed	-	6%
Elementary	8%	19%
High School	49%	71%
Vocational/ College/ Post Graduate	43%	3%

	OTHERS	
	FFSW	RFSW
With Children	30%	50%
Student	48%	6%
New resident of the city	14%	17%

### Work Profile

WORK PROFILE	
FFSW only	74%
RFSW Only	12%
FFSW who works in an establishment	5%
RFSW who works in cruising sites	9%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	3%	3%
Selected times of the year	65%	68%
As the need arose	33%	29%

Number of times worked as a sex worker in the past week (mean)	1-7 (4)	1-7 (4)
--	---------	---------

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	11-24 (17)	12-22 (17)
Age first accepted payment for sex	15-27 (18)	15-26 (19)
Age of first condom use	13-25 (18)	16-26 (19)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-22 (7)	2-13 (7)
Returning client (past month)	1-18 (3)	1-12 (3)
Permanent non-paying partner (past month)	1-2 (1)	1

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	-	-	7%	5%	4%	-	5%	3%
Condom use last sex with client	35%	-	42%	48%	32%	57%	39%	48%
Number of sex acts with returning client in a month (mean)	1-30 (11)	12	2-36 (13)	2-56 (15)	2-70 (17)	1-23 (11)	1-70 (13)	1-56 (14)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	7%	7%
Cannot afford to buy condoms	-	-
Partner objected	6%	7%
Do not know how to use condom	3%	-
Doesn't like condom	66%	73%
Not necessary	19%	13%
Forgot to use condom	-	-
Other responses	-	-

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	10%	-	23%	35%	20%	43%	20%	35%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	90%	100%	77%	65%	80%	57%	80%	65%
<i>No response</i>	-	-	-	-	-	-	-	-

Condom use last sex with non-paying partner	-	-	6%	25%	-	33%	4%	27%
Number of sex acts with permanent partner in a month (mean)	1-6 (4)	-	3-24 (7)	1-12 (7)	1-30 (12)	1-15 (7)	1-30 (8)	1-15 (7)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	-	-	6%	5%	8%	14%	5%	7%
<i>Did not use drugs in the past 12 months</i>	-	-	-	-	4%	14%	1%	3%
<i>Never used drugs</i>	100%	100%	94%	95%	88%	71%	94%	90%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	-	50%	-	-	-	25%
<i>Never injected drugs</i>	100%	-	100%	50%	100%	100%	100%	75%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	85%	100%	89%	83%	88%	100%	88%	87%
Having only one faithful uninfected partner	25%	-	31%	39%	28%	14%	29%	32%
Using condoms reduces the risk for HIV	85%	100%	84%	78%	72%	100%	82%	84%
A person can get HIV from mosquitoes	60%	-	54%	61%	36%	43%	51%	55%
A person can get HIV in toilet bowls	45%	-	54%	43%	32%	57%	48%	45%
Correct on all 5 knowledge questions	5%	-	12%	4%	4%	-	9%	3%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	8%	68%
Received free condoms in the past 12 months (SHC,NGO)	11%	68%
Approached to talk about IDU past 12 months	8%	71%
SHC reach in the past 12 months	12%	71%
Visited or consulted SHC/CHO in the past 12 months	3%	90%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	76%	71%
Knows where to get tested for HIV	42%	77%
Ever tested for HIV	8%	65%
% of FSW who had an HIV test in the past 12 months and got results	1%	26%
% who got results of those who had an HIV test in the past 12 months	20%	47%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	5%	10%
Accessed SHC STI services (past 12 months)	11%	97%
Had vaginal smear at the SHC (past 12 months)	33%	89%
Condoms are easy to get in the community	69%	80%
Buys own condom	33%	29%
Last HIV test was in SHC	80%	90%

Prevalence

PREVALENCE	
	FSW
HIV	0.00%
Syphilis	0.00%

# Surigao City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	158
Age Range (Median)	15-42 (19)
15 to 17 years old	27%
18 to 24 years old	56%
25 years and older	17%

EDUCATION	
No grade completed	2%
Elementary	6%
High School	54%
Vocational/ College/ Post Graduate	37%

CIVIL STATUS	
Single	96%
Married	3%
Separated/Widower	1%

Presently living with a partner	10%
---------------------------------	-----

OTHERS	
With Children	6%
Student	35%
New resident of the city	1%
Member of a social networking website	14%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	8-26 (16)
Age of first sex with another male	8-29 (16)
Age first accepted payment for sex	12-29 (17)
Age first bought sex	14-30 (18)
Age of first condom use	11-33 (17)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-999 (20)
Non-paying male partner (past month)	1-90 (5)
One time sex partner (past month)	1-90 (3)
More than one time sex partner (past month)	1-90 (3)
Clients (past 12 months)	1-672 (26)
Clients (past month)	1-56 (5)
Sex workers (past 12 months)	1-36 (4)
Sex workers (past month)	1-14 (3)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	19%	18%	15%	18%
Anal receiver only	19%	18%	8%	17%
Anal inserter only	43%	36%	8%	33%
Both anal receiver and inserter	19%	28%	69%	32%

Had anal sex in the past 12 months	44%	60%	68%	57%
Have had anal sex but <b>NOT</b> in the past 12 months	-	-	12%	2%
Never had anal sex	56%	40%	20%	40%

Used a condom during last anal sex in the past 12 months	33%	15%	12%	18%
Reason for not using a condom during last anal sex				
Condom not available	53%	74%	60%	66%
Cannot afford to buy condoms	-	-	7%	2%
Partner objected	7%	3%	20%	8%
Do not know how to use condom	-	3%	-	2%
Doesn't like condom	27%	9%	7%	12%
Not necessary	13%	12%	-	9%
Forgot to use a condom	-	-	-	-
Other responses	-	-	7%	2%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	10%	10%	26%	13%

Number of sex acts in a month with more than one time sex partner (mean)	1-144 (9)	1-30 (4)	1-90 (7)	1-144 (6)
--	-----------	----------	----------	-----------

Participated in an orgy in the past 12 months	2%	6%	15%	6%
<i>Did not participate in an orgy in the past 12 months</i>	26%	24%	30%	25%
<i>No response</i>	71%	71%	56%	68%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	43%	46%	19%	41%
<i>Did not have sex with a female in the past 12 months</i>	12%	9%	26%	13%
<i>No response</i>	45%	45%	56%	47%
Used a condom during last vaginal sex in the past 12 months	22%	8%	-	11%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	67%	55%	37%	55%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	1%	-	1%
<i>Never accepted cash for sex</i>	33%	44%	63%	44%
Used a condom during last paying sex in the past 12 months	21%	12%	10%	14%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	7%	19%	67%	24%
<i>Was a client of sex workers but NOT in the past 12 months</i>	5%	3%	7%	4%
<i>Never been a client of a sex worker</i>	88%	78%	26%	72%
Used a condom during last paid sex in the past 12 months	33%	21%	25%	24%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	24%	30%	30%	28%
<i>Did not use drugs in the past 12 months</i>	5%	1%	19%	5%
<i>Never used drugs</i>	71%	69%	52%	67%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	7%	9%	7%	8%
<i>Never injected drugs</i>	93%	91%	93%	92%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	57%	56%	74%	59%
Having only one faithful uninfected partner	76%	66%	63%	68%
Using condoms reduces the risk for HIV	83%	80%	89%	82%
A person cannot get HIV from mosquitoes	74%	76%	78%	76%
A person cannot get HIV in toilet bowls	81%	67%	96%	76%
Correct on all 5 knowledge questions	26%	30%	52%	32%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	25%
Received free condoms in the past 12 months (SHC, NGO)	34%
Received free lubricants in the past 12 months (SHC, NGO)	6%
SHC reach in the past 12 months	27%
Visited or consulted SHC/CHO in the past 12 months	20%

ACCESS	
Had STI in the past 12 months	6%
Accessed SHC STI services in the past 12 months	22%
Condoms are easy to get in the community	54%
Buys own condom	19%
Last HIV test was in SHC	35%

ATTITUDE	
Feels at risk for HIV	56%
Knows where to get tested for HIV	49%
Ever tested for HIV	15%
% of MSM who had an HIV test in the past 12 months and got results	8%
% who got results of those who had an HIV test in the past 12 months	87%
Knows SHC has male STI services	49%
Comfortable to go to SHC for HIV Testing	63%
Comfortable to go to SHC for STI Consultation	65%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	30%
Feels no need to get tested	10%
Don't know where to get tested	44%
Testing facility too far	-
No money for testing	14%
Other reasons	1%

Prevalence

PREVALENCE	
HIV	0.63%
Syphilis	0.00%

# Tacloban City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	71	66
Age Range (Median)	18-48 (25)	18-43 (26)
15 to 17 years old	-	-
8 to 24 years old	48%	36%
25 years and older	52%	64%

	EDUCATION	
	FFSW	RFSW
No grade completed	10%	3%
Elementary	56%	42%
High School	34%	47%
Vocational/ College/ Post Graduate	-	8%

	CIVIL STATUS	
	FFSW	RFSW
Single	87%	84%
Married	8%	6%
Separated/Widowed	4%	9%
Presently living with a partner	41%	42%

	OTHERS	
	FFSW	RFSW
With Children	44%	85%
Student	7%	5%
New resident of the city	11%	45%

### Work Profile

WORK PROFILE	
FFSW only	51%
RFSW Only	44%
FFSW who works in an establishment	1%
RFSW who works in cruising sites	3%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	56%	34%
Selected times of the year	18%	16%
As the need arose	25%	50%

Number of times worked as a sex worker in the past week (mean)	1-7 (5)	1-7 (3)
--	---------	---------

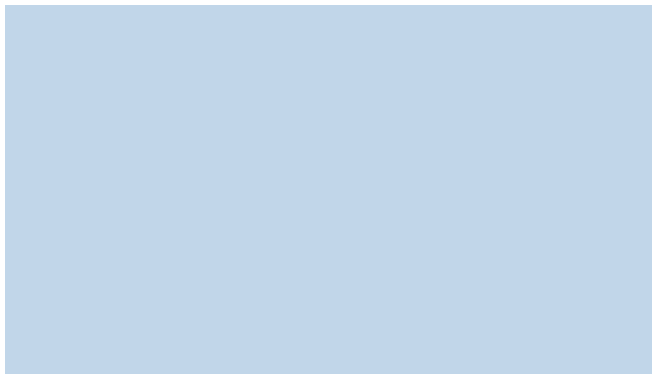
### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	14-22 (17)	14-26 (18)
Age first accepted payment for sex	16-30 (19)	16-36 (22)
Age of first condom use	15-30 (19)	15-31 (32)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-20 (9)	1-60 (5)
Returning client (past month)	1-15 (3)	1-20 (2)
Permanent non-paying partner (past month)	1-2 (1)	1-7 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	-	-	18%	12%	25%	10%	21%	11%
Condom use last sex with client	-	-	47%	62%	49%	73%	48%	69%
Number of sex acts with returning client in a month (mean)	-	-	1-5 (2)	1-16 (3)	1-4 (2)	1-9 (3)	1-5 (2)	1-16 (3)





REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	23%	-
Cannot afford to buy condoms	3%	-
Partner objected	31%	25%
Do not know how to use condom	-	-
Doesn't like condom	26%	38%
Not necessary	17%	31%
Forgot to use a condom	-	-
Other responses	-	6%

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	-	-	65%	71%	81%	79%	73%	76%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	-	-	35%	25%	19%	21%	27%	23%
<i>No response</i>	-	-	-	4%	-	-	-	2%

Condom use last sex with non-paying partner	-	-	5%	6%	13%	9%	10%	8%
Number of sex acts with permanent partner in a month (mean)	-	-	1-15 (9)	1-7 (4)	1-20 (8)	1-27 (6)	1-20 (8)	1-27 (5)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	-	-	9%	4%	8%	10%	9%	8%
<i>Did not use drugs in the past 12 months</i>	-	-	3%	13%	11%	14%	7%	14%
<i>Never used drugs</i>	-	-	88%	83%	81%	76%	84%	78%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	-	-	17%	22%	10%	14%
<i>Never injected drugs</i>	-	-	100%	100%	83%	78%	90%	86%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	-	-	79%	82%	78%	95%	79%	90%
Having only one faithful uninfected partner	-	-	76%	87%	81%	66%	79%	73%
Using condoms reduces the risk for HIV	-	-	97%	95%	92%	80%	94%	85%
A person can get HIV from mosquitoes	-	-	33%	59%	44%	51%	39%	54%
A person can get HIV in toilet bowls	-	-	38%	73%	51%	76%	45%	75%
Correct on all 5 knowledge questions	-	-	12%	41%	28%	32%	20%	35%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	37%	74%
Received free condoms in the past 12 months (SHC,NGO)	37%	89%
Approached to talk about IDU past 12 months	30%	67%
SHC reach in the past 12 months	37%	91%
Visited or consulted SHC/CHO in the past 12 months	14%	73%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	17%	8%
Accessed SHC STI services (past 12 months)	38%	97%
Had vaginal smear at the SHC (past 12 months)	58%	65%
Condoms are easy to get in the community	97%	77%
Buys own condom	36%	43%
Last HIV test was in SHC	67%	92%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	82%	78%
Knows where to get tested for HIV	63%	92%
Ever tested for HIV	17%	76%
% of FSW who had an HIV test in the past 12 months and got results	10%	70%
% who got results of those who had an HIV test in the past 12 months	100%	100%

Prevalence

PREVALENCE	
	FSW
HIV	0.00%
Syphilis	0.00%

# Tacloban City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	148
Age Range (Median)	15-48 (25)
15 to 17 years old	11%
18 to 24 years old	36%
25 years and older	53%

EDUCATION	
No grade completed	3%
Elementary	29%
High School	41%
Vocational/ College/ Post Graduate	28%

CIVIL STATUS	
Single	96%
Married	3%
Separated/Widower	1%

Presently living with a partner	12%
---------------------------------	-----

OTHERS	
With Children	6%
Student	23%
New resident of the city	4%
Member of a social networking website	26%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	6-22 (16)
Age of first sex with another male	6-22 (16)
Age first accepted payment for sex	12-23 (16)
Age first bought sex	14-38 (19)
Age of first condom use	11-36 (18)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-96 (7)
Non-paying male partner (past month)	1-17 (2)
One time sex partner (past month)	1-13 (2)
More than one time sex partner (past month)	1-12 (2)
Clients (past 12 months)	1-90 (20)
Clients (past month)	1-30 (6)
Sex workers (past 12 months)	1-12 (5)
Sex workers (past month)	1-10 (3)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	50%	30%	33%	34%
Anal receiver only	25%	34%	40%	36%
Anal inserter only	12%	9%	8%	9%
Both anal receiver and inserter	12%	26%	19%	21%

Had anal sex in the past 12 months	33%	58%	52%	52%
Have had anal sex but <b>NOT</b> in the past 12 months	7%	4%	10%	8%
Never had anal sex	60%	38%	37%	40%

Used a condom during last anal sex in the past 12 months	40%	46%	17%	31%
Reason for not using a condom during last anal sex				
Condom not available	-	22%	26%	23%
Cannot afford to buy condoms	-	-	7%	5%
Partner objected	33%	6%	7%	8%
Do not know how to use condom	33%	6%	5%	6%
Doesn't like condom	33%	39%	47%	44%
Not necessary	-	22%	5%	9%
Forgot to use a condom	-	6%	5%	5%
Other responses	-	-	-	-

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	6%	19%	9%	12%

Number of sex acts in a month with more than one time sex partner (mean)	1-20 (5)	1-20 (5)	1-20 (4)	1-20 (5)
--	----------	----------	----------	----------

Participated in an orgy in the past 12 months	-	4%	4%	3%
<i>Did not participate in an orgy in the past 12 months</i>	6%	8%	4%	5%
<i>No response</i>	94%	89%	92%	91%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	19%	26%	16%	20%
<i>Did not have sex with a female in the past 12 months</i>	12%	8%	6%	7%
<i>No response</i>	69%	66%	77%	72%
Used a condom during last vaginal sex in the past 12 months	-	-	-	-

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	27%	29%	18%	23%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	-	-	-
<i>Never accepted cash for sex</i>	73%	71%	82%	77%
Used a condom during last paying sex in the past 12 months	50%	50%	9%	32%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	-	19%	33%	25%
<i>Was a client of sex workers but NOT in the past 12 months</i>	-	2%	4%	3%
<i>Never been a client of a sex worker</i>	100%	79%	63%	72%
Used a condom during last paid sex in the past 12 months	-	43%	17%	23%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	-	4%	1%	2%
<i>Did not use drugs in the past 12 months</i>	-	6%	4%	4%
<i>Never used drugs</i>	100%	90%	95%	94%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	-	-
<i>Never injected drugs</i>	100%	100%	100%	100%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	83%	84%	85%	84%
Having only one faithful uninfected partner	82%	81%	76%	78%
Using condoms reduces the risk for HIV	64%	88%	81%	82%
A person cannot get HIV from mosquitoes	50%	82%	68%	71%
A person cannot get HIV in toilet bowls	83%	65%	76%	73%
Correct on all 5 knowledge questions	27%	52%	48%	48%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	17%
Received free condoms in the past 12 months (SHC, NGO)	25%
Received free lubricants in the past 12 months (SHC, NGO)	14%
SHC reach in the past 12 months	22%
Visited or consulted SHC/CHO in the past 12 months	4%

ACCESS	
Had STI in the past 12 months	4%
Accessed SHC STI services in the past 12 months	4%
Condoms are easy to get in the community	65%
Buys own condom	25%
Last HIV test was in SHC	67%

ATTITUDE	
Feels at risk for HIV	53%
Knows where to get tested for HIV	34%
Ever tested for HIV	3%
% of MSM who had an HIV test in the past 12 months and got results	1%
% who got results of those who had an HIV test in the past 12 months	100%
Knows SHC has male STI services	25%
Comfortable to go to SHC for HIV Testing	19%
Comfortable to go to SHC for STI Consultation	30%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	46%
Feels no need to get tested	33%
Don't know where to get tested	14%
Testing facility too far	-
No money for testing	7%
Other reasons	-

Prevalence

PREVALENCE	
HIV	0.00%
Syphilis	0.00%

# Zamboanga City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

**Sites** Caloocan City, Makati City, Mandaluyong City, Manila, Marikina City, Pasig City, Pasay City, Quezon City

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	299	299
Age Range (Median)	16-50 (23)	17-45 (24)
15 to 17 years old	4%	1%
18 to 24 years old	58%	55%
25 years and older	38%	44%

	CIVIL STATUS	
	FFSW	RFSW
Single	72%	65%
Married	17%	13%
Separated/Widowed	11%	21%
Presently living with a partner	40%	50%

	EDUCATION	
	FFSW	RFSW
No grade completed	11%	7%
Elementary	39%	45%
High School	43%	43%
Vocational/ College/ Post Graduate	6%	5%

	OTHERS	
	FFSW	RFSW
With Children	67%	69%
Student	2%	4%
New resident of the city	19%	18%

### Work Profile

WORK PROFILE	
FFSW only	38%
RFSW Only	48%
FFSW who works in an establishment	11%
RFSW who works in cruising sites	3%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	66%	35%
Selected times of the year	24%	43%
As the need arose	10%	22%

Number of times worked as a sex worker in the past week (mean)	1-7 (4)	1-7 (3)
--	---------	---------

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	12-27 (17)	9-34 (17)
Age first accepted payment for sex	15-34 (19)	14-39 (21)
Age of first condom use	14-34 (19)	14-39 (20)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-30 (11)	1-40 (7)
Returning client (past month)	1-18 (3)	1-20 (3)
Permanent non-paying partner (past month)	1-10 (1)	1-16 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	33%	100%	57%	63%	45%	71%	52%	67%
Condom use last sex with client	50%	75%	61%	69%	65%	85%	62%	76%
Number of sex acts with returning client in a month (mean)	1-4 (2)	1-3 (2)	1-9 (2)	1-30 (3)	1-10 (3)	1-12 (3)	1-10 (3)	1-30 (3)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	7%	11%
Cannot afford to buy condoms	-	-
Partner objected	25%	33%
Do not know how to use condom	2%	3%
Doesn't like condom	41%	36%
Not necessary	24%	12%
Forgot to use condom	1%	5%
Other responses	1%	-

Non-paying Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	42%	-	47%	37%	58%	34%	51%	35%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	58%	100%	53%	63%	42%	66%	49%	65%
<i>No response</i>	-	-	-	-	-	-	-	-

Condom use last sex with non-paying partner	20%	-	25%	16%	18%	17%	22%	16%
Number of sex acts with permanent partner in a month (mean)	1-3 (2)	-	1-16 (4)	1-30 (6)	1-20 (3)	1-26 (4)	1-20 (3)	1-30 (5)

**Drug use**

Drug Use	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	-	-	16%	18%	11%	17%	13%	17%
<i>Did not use drugs in the past 12 months</i>	-	-	6%	12%	3%	14%	4%	12%
<i>Never used drugs</i>	100%	100%	79%	71%	87%	69%	83%	71%

Injected drugs in the past 12 months	-	-	3%	-	-	-	2%	-
<i>Did not inject drugs in the past 12 months</i>	-	-	3%	2%	-	-	2%	1%
<i>Never injected drugs</i>	-	-	95%	98%	100%	100%	96%	99%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	50%	100%	73%	88%	71%	91%	71%	89%
Having only one faithful uninfected partner	92%	100%	65%	87%	70%	79%	68%	83%
Using condoms reduces the risk for HIV	50%	100%	75%	90%	86%	91%	78%	90%
A person can get HIV from mosquitoes	75%	100%	75%	85%	74%	90%	75%	88%
A person can get HIV in toilet bowls	58%	100%	63%	89%	72%	93%	66%	91%
Correct on all 5 knowledge questions	25%	100%	33%	63%	36%	58%	34%	61%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	65%	92%
Received free condoms in the past 12 months (SHC,NGO)	79%	93%
Approached to talk about IDU past 12 months	56%	78%
SHC reach in the past 12 months	81%	94%
Visited or consulted SHC/CHO in the past 12 months	26%	88%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	47%	58%
Knows where to get tested for HIV	78%	94%
Ever tested for HIV	27%	77%
% of FSW who had an HIV test in the past 12 months and got results	11%	66%
% who got results of those who had an HIV test in the past 12 months	94%	98%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.33%	0.00%
Syphilis	2.67%	0.00%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	8%	5%
Accessed SHC STI services (past 12 months)	78%	99%
Had vaginal smear at the SHC (past 12 months)	13%	87%
Condoms are easy to get in the community	77%	94%
Buys own condom	53%	46%
Last HIV test was in SHC	82%	99%



# Zamboanga City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	300
Age Range (Median)	15-57 (22)
15 to 17 years old	13%
18 to 24 years old	48%
25 years and older	40%

EDUCATION	
No grade completed	8%
Elementary	20%
High School	48%
Vocational/ College/ Post Graduate	24%

CIVIL STATUS	
Single	95%
Married	5%
Separated/Widower	-

Presently living with a partner	27%
---------------------------------	-----

OTHERS	
With Children	6%
Student	28%
New resident of the city	4%
Member of a social networking website	18%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	7-30 (15)
Age of first sex with another male	7-27 (16)
Age first accepted payment for sex	9-28 (18)
Age first bought sex	12-34 (19)
Age of first condom use	10-45 (19)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-90 (9)
Non-paying male partner (past month)	1-20 (3)
One time sex partner (past month)	1-15 (2)
More than one time sex partner (past month)	1-9 (2)
Clients (past 12 months)	1-30 (8)
Clients (past month)	1-19 (3)
Sex workers (past 12 months)	1-27 (5)
Sex workers (past month)	1-10 (3)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	13%	4%	2%	4%
Anal receiver only	26%	24%	23%	24%
Anal inserter only	34%	35%	8%	24%
Both anal receiver and inserter	26%	37%	68%	48%

Had anal sex in the past 12 months	79%	85%	88%	85%
Have had anal sex but <b>NOT</b> in the past 12 months	5%	10%	8%	8%
Never had anal sex	16%	6%	4%	6%

Used a condom during last anal sex in the past 12 months	40%	38%	38%	38%
Reason for not using a condom during last anal sex				
Condom not available	55%	51%	38%	46%
Cannot afford to buy condoms	-	1%	-	1%
Partner objected	-	10%	8%	8%
Do not know how to use condom	5%	-	1%	1%
Doesn't like condom	40%	24%	35%	31%
Not necessary	-	10%	12%	10%
Forgot to use a condom	-	2%	4%	3%
Other responses	-	2%	1%	2%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	37%	41%	47%	43%

Number of sex acts in a month with more than one time sex partner (mean)	1-15 (3)	1-20 (3)	1-30 (3)	1-30 (3)

Participated in an orgy in the past 12 months	8%	13%	8%	10%
<i>Did not participate in an orgy in the past 12 months</i>	50%	41%	40%	42%
<i>No response</i>	42%	45%	53%	48%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	24%	39%	12%	26%
<i>Did not have sex with a female in the past 12 months</i>	3%	6%	10%	7%
<i>No response</i>	74%	55%	78%	67%
Used a condom during last vaginal sex in the past 12 months	22%	39%	43%	38%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	39%	44%	26%	36%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	1%	-	<1%
<i>Never accepted cash for sex</i>	61%	55%	74%	63%
Used a condom during last paying sex in the past 12 months	29%	54%	31%	43%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	29%	35%	75%	50%
<i>Was a client of sex workers but NOT in the past 12 months</i>	3%	5%	5%	5%
<i>Never been a client of a sex worker</i>	68%	60%	20%	45%
Used a condom during last paid sex in the past 12 months	82%	45%	44%	47%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	3%	17%	21%	17%
<i>Did not use drugs in the past 12 months</i>	-	4%	13%	7%
<i>Never used drugs</i>	97%	78%	66%	76%

Injected drugs in the past 12 months	-	3%	2%	3%
<i>Did not inject drugs in the past 12 months</i>	-	-	2%	1%
<i>Never injected drugs</i>	100%	97%	96%	96%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	95%	94%	99%	96%
Having only one faithful uninfected partner	92%	90%	92%	91%
Using condoms reduces the risk for HIV	92%	95%	94%	94%
A person cannot get HIV from mosquitoes	84%	92%	92%	91%
A person cannot get HIV in toilet bowls	87%	91%	96%	92%
Correct on all 5 knowledge questions	76%	78%	82%	79%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	74%
Received free condoms in the past 12 months (SHC, NGO)	74%
Received free lubricants in the past 12 months (SHC, NGO)	19%
SHC reach in the past 12 months	74%
Visited or consulted SHC/CHO in the past 12 months	19%

ACCESS	
Had STI in the past 12 months	9%
Accessed SHC STI services in the past 12 months	32%
Condoms are easy to get in the community	50%
Buys own condom	33%
Last HIV test was in SHC	86%

ATTITUDE	
Feels at risk for HIV	64%
Knows where to get tested for HIV	78%
Ever tested for HIV	28%
% of MSM who had an HIV test in the past 12 months and got results	4%
% who got results of those who had an HIV test in the past 12 months	87%
Knows SHC has male STI services	77%
Comfortable to go to SHC for HIV Testing	82%
Comfortable to go to SHC for STI Consultation	81%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	53%
Feels no need to get tested	19%
Don't know where to get tested	16%
Testing facility too far	-
No money for testing	6%
Other reasons	5%

Prevalence

PREVALENCE	
HIV	1.33%
Syphilis	0.67%

# Zamboanga City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

**IHBSS Inclusion Criteria:** Male or female, 15 years and older, who injected drugs not prescribed by a physician, in the past 6 months.

### Injecting Drug Users

#### Demographic Profile

TOTAL SAMPLE	
	300

AGE	
Age Range (Median)	15-54 (27)
15 to 17 years old	2%
18 to 24 years old	36%
25 years and older	63%

EDUCATION	
No grade completed	18%
Elementary	44%
High School	32%
Vocational/ College/ Post Graduate	6%

CIVIL STATUS	
Single	50%
Married	44%
Separated/Widow(er)	6%

OTHERS	
Male	97%
Female	3%
With Children	47%
Student	1%
New resident of the city	-
Presently living with a partner	42%
Partner is also an IDU	5%

#### Drug Use

AGE PROFILE (range, median)	
Age first used drugs	9-30 (17)
Age first injected drugs	11-34 (19)

NUMBER OF YEARS AS AN IDU	
Less than 1 year to 2 years	14%
3 to 5 years	23%
More than 5 years	63%

Injecting Behavior	15 to 17	18 to 24	25 older	Total
Injected in another city (past year)	-	1%	2%	1%
Shared needles in another city (past year)	0%	2%	3%	2%
<i>Did not share needles in another city (past year)</i>	0%	3%	3%	3%
<i>No response</i>	100%	95%	95%	95%

Last injected drugs in a shooting gallery in the past 12 months	80%	38%	40%	40%
<i>Last injected drugs in a shooting gallery but NOT in the past 12 months</i>	-	1%	1%	1%
<i>Did not inject in a shooting gallery during last injection</i>	20%	61%	59%	59%

Clean needle source	20%	55%	54%	54%
Safe cleaning practice	-	32%	21%	24%
Threw used needle in a gallon or container	-	8%	7%	7%

Shared needles during last injection	100%	61%	71%	68%
Number of visit in a shooting gallery per month (mean)	1-5 (2)			

Frequency of Injection in a Year	15 to 17	18 to 24	25 older	Total
At least once a month	80%	80%	81%	80%
At least once a week	20%	18%	15%	16%
At least once a day	-	2%	4%	3%
More than once a day	-	1%	1%	1%

VENUE DURING LAST INJECTION	
Hideout in Zamboanga City	41%
Respondent's House	11%
House of another IDU	47%
Other places	1%

DRUGS USUALLY INJECTED	
Nalbuphine/Nubain	53%
Heroin	<1%
Shabu/Milkshake	46%
Other drugs	-

### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	7-34 (17)
Age of first sex with another male	14-41 (18)
Age first accepted payment for sex	14-34 (18)
Age first bought sex	14-39 (20)
Age of first condom use	15-40 (19)

NUMBER OF SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-25 (3)
Non-paying female partner (past 12 months)	1-20 (4)
Paid partner/ Sex worker (past month)	1-9 (2)
Paying partners/ Client (past month)	1-30 (3)
MSM partner (past 12 months)	1-10 (3)

Non-paying Behavior	15 to 17	18 to 24	25 older	Total
Had sex with a non-paying partner in the past 12 months	80%	86%	90%	87%
<i>Had sex with a non-paying partner but NOT in the past 12 months</i>	-	13%	10%	11%
<i>Never had a non-paying partner</i>	20%	1%	-	1%
Used a condom last vaginal sex in the past 12 months	25%	32%	23%	26%

MSM Behavior	15 to 17	18 to 24	25 older	Total
Had anal sex in the past 12 months	60%	20%	8%	13%
<i>Have had anal sex but NOT in the past 12 months</i>	20%	17%	12%	14%
<i>Never had anal sex</i>	20%	63%	81%	73%
Used a condom last anal sex in the past 12 months	0%	14%	36%	21%

Sex worker Behavior	15 to 17	18 to 24	25 older	Total
Accepted cash for sex in the past 12 months	60%	23%	13%	17%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	7%	2%	4%
<i>Never accepted cash for sex</i>	40%	70%	85%	79%
Used a condom last sex with a paying partner in the past 12 months	0%	28%	29%	27%

Client Behavior	15 to 17	18 to 24	25 older	Total
Was a client of sex workers in the past 12 months	20%	24%	25%	25%
<i>Was a client of sex workers but NOT in the past 12 months</i>	-	11%	20%	16%
<i>Never been a client of a sex worker</i>	80%	64%	55%	59%
Used a condom last paid sex in the past 12 months	100%	38%	40%	41%

### Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 older	Total
Healthy looking person can have HIV	100%	78%	81%	80%
Having only one faithful uninfected partner	100%	92%	90%	91%
Using condoms reduces the risk for HIV	100%	90%	92%	91%
A person can get HIV from mosquitoes	100%	93%	93%	93%
A person can get HIV in toilet bowls	100%	92%	91%	91%
Sharing needles can increase risk for HIV	100%	95%	98%	97%
Correct on all 6 knowledge questions	100%	72%	76%	75%

HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	91%
Approached about injecting drug use in the past 12 months	92%
Received free needles in the past 12 months	2%
Taught how to clean needles in the past 12 months	89%
SHC reach in the past 12 months	36%

ACCESS	
Had STI in the past 12 months	3%
Accessed SHC STI services in the past 12 months	6%
Last HIV test was in SHC	85%

ATTITUDE	
Feels at risk for HIV	81%
Knows where to get tested for HIV	77%
Ever tested for HIV	4%
% of IDU who had an HIV test in the past 12 months and got results	1%
% who got results of those who had an HIV test in the past 12 months	100%
Knows SHC has male STI services	81%
Comfortable to go to SHC for HIV Testing	96%
Comfortable to go to SHC for STI Consultation	96%

Prevalence

PREVALENCE	
HIV	0.33%
Syphilis	4.00%
HCV	3.67%

HIV Prevalence per IHBSS Year	2005	2007	2009	2011
	0.00%	0.00%	0.00%	0.33%
<i>Total Sample</i>	<i>n = 240</i>	<i>n = 251</i>	<i>n = 315</i>	<i>n = 300</i>

# Zamboanga City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Occupational Cohort of Men** Born male, 15 years and older, who paid a female in exchange for sex in the past 12 months

### Occupational Cohort of Men (Men in Uniform)

#### Demographic Profile

AGE	
Total Sample	300
Age Range (Median)	21-55 (35)
15 to 17 years old	-
18 to 24 years old	19 (6%)
25 years and older	281 (94%)

EDUCATION	
No grade completed	-
Elementary	1 (<1%)
High School	64 (21%)
Vocational/ College/ Post Graduate	235 (78%)

CIVIL STATUS	
Single	71 (24%)
Married	222 (74%)
Separated/Widower	7 (2%)
Presently living with a partner	228 (78%)

OTHERS	
With Children	232 (77%)
Student	17 (6%)
New resident of the city	77 (26%)

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	12-31 (19)
Age first bought sex	14-48 (24)
Age of first condom use	13-45 (24)

NUMBER OF SEX PARTNERS (range, mean)	
Paid female sex partner (past 12 months)	1-30 (3)
Paid female sex partner (past month)	1-7 (2)
Permanent non-paying female sex partner (past month)	0-11 (1)

Frequency of having sex with a paid female partner	15 to 17	18 to 24	25 & older	Total
Once a week	-	-	33 (12%)	33 (11%)
Twice a month	-	3 (16%)	33 (12%)	36 (12%)
Once a month	-	6 (32%)	61 (22%)	67 (22%)
Once in 3 months	-	1 (5%)	48 (17%)	49 (16%)
Twice a year	-	1 (5%)	15 (5%)	16 (5%)
Once a year	-	8 (42%)	82 (29%)	90 (30%)
Others	-	-	7 (3%)	7 (2%)

Sexual Practice	15 to 17	18 to 24	25 & older	Total
Had sex with non-paid female partner in the past 12 months	-	18 (95%)	249 (89%)	267 (89%)
<b>Condom Use</b>				
Condom use last sex with non-paid female partner	-	4 (31%)	40 (20%)	44 (20%)
Condom use last sex with paid female partner	-	10 (53%)	106 (38%)	116 (39%)
<b>Reasons for not using condom during last sex with paid female partner</b>				
Condom not available	-	4 (44%)	14 (8%)	18 (10%)
Condoms are expensive	-	-	-	-
Partner objected	-	-	4 (2%)	4 (2%)
Does not know how to use condom	-	-	13 (7%)	13 (7%)
Does not like condoms	-	1 (11%)	98 (56%)	99 (54%)
Not necessary	-	2 (22%)	31 (18%)	33 (18%)
Forgot to put on condom	-	1 (11%)	6 (3%)	7 (4%)
Other reasons	-	1 (11%)	9 (5%)	10 (5%)

Drug use	Drug Use	15 to 17	18 to 24	25 & older	Total
	Used drugs in the past 12 months	-	-	1 (<1%)	1 (<1%)
	<i>Did not use drugs in the past 12 months</i>	-	2 (11%)	62 (22%)	64 (21%)
	<i>No response</i>	-	17 (89%)	218 (78%)	235 (78%)

Knowledge	Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
	Healthy looking person can have HIV	-	16 (89%)	252 (91%)	268 (91%)
	Having only one faithful uninfected partner	-	16 (84%)	237 (85%)	253 (85%)
	Using condoms reduces the risk for HIV	-	17 (94%)	255 (92%)	272 (92%)
	A person can get HIV from mosquitoes	-	12 (63%)	192 (68%)	204 (68%)
	A person can get HIV in toilet bowls	-	15 (79%)	209 (74%)	224 (75%)
	Correct on all 5 knowledge questions	-	5 (26%)	126 (45%)	131 (44%)

HIV Intervention	EXPOSURE	
	Attended HIV Seminar in the past 12 months (SHC, NGO)	87 (29%)
	Received free condoms in the past 12 months (SHC, NGO)	91 (30%)
	Approached to talk about IDU (past 12 months)	57 (19%)
	SHC reach	41 (14%)
	Visited or consulted SHC/CHO in the past 12 months	32 (11%)

ACCESS	
Recently with STI (past 12 months)	14 (5%)
Accessed SHC STI services (past 12 months)	33 (11%)
Condoms are easy to get in the community	205 (69%)
Buys own condom	183 (61%)

ATTITUDE	
Feels at risk for HIV	167 (56%)
Knows where to get tested for HIV	159 (53%)
Ever tested for HIV	23 (8%)
% of OCM who had an HIV test in the past 12 months and got results	4 (1%)

Prevalence	PREVALENCE	
	HIV	-
Syphilis	-	



# Caloocan City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, , who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)** , 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	151	288
Age Range (Median)	15-53 (21)	17-37 (22)
Less than 18 years old	18%	1%
18 to 24 years old	52%	75%
25 years and older	30%	24%

	CIVIL STATUS	
	FFSW	RFSW
Single	78%	92%
Married	18%	6%
Separated/Widowed	4%	2%

Presently living with a partner	44%	47%
---------------------------------	-----	-----

	EDUCATION	
	FFSW	RFSW
No grade completed	11%	1%
Elementary	34%	32%
High School	51%	59%
Vocational/ College/ Post Graduate	4%	8%

	OTHERS	
	FFSW	RFSW
With Children	49%	58%
Student	11%	2%
New resident of the city	8%	26%

### Work Profile

WORK PROFILE	
FFSW only	32%
RFSW Only	58%
FFSW who works in an establishment	1%
RFSW who works in cruising sites	10%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	89%	29%
Selected times of the year	6%	38%
As the need arose	5%	33%

Number of times worked as a sex worker in the past week (mean)	1-7 (6)	1-7 (3)
--	---------	---------

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	12-23 (16)	9-26 (17)
Age first accepted payment for sex	14-24 (17)	13-30 (19)
Age of first condom use	14-46 (17)	12-33 (19)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-50 (18)	1-40 (6)
Returning client (past month)	1-30 (6)	1-20 (2)
Permanent non-paying partner (past month)	1-7 (1)	1-5 (1)

Sex worker Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	4%	50%	6%	35%	11%	33%	7%	35%
Condom use last sex with client	15%	100%	23%	66%	20%	64%	21%	66%
Number of sex acts with returning client in a month (mean)	1-12 (4)	3	1-18 (5)	1-20 (3)	1-16 (5)	1-10 (3)	1-18 (5)	1-20 (3)

REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	30%	9%
Cannot afford to buy condoms	4%	1%
Partner objected	37%	36%
Do not know how to use condom	3%	-
Doesn't like condom	20%	26%
Not necessary	3%	25%
Forgot to use a condom	2%	3%
Other responses	-	-

Non-paying Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	33%	100%	37%	69%	39%	74%	37%	70%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	67%	0%	62%	31%	61%	26%	62%	30%
<i>No response</i>	-	-	1%	<1%	-	-	1%	1%

Condom use last sex with non-paying partner	-	-	12%	17%	5%	15%	8%	17%
Number of sex acts with permanent partner in a month (mean)	1-16 (7)	4	1-18 (9)	1-50 (8)	1-29 (11)	1-31 (10)	1-29 (9)	1-50 (9)

### Drug use

Drug Use	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	-	-	2%	4%	-	3%	1%	4%
<i>Did not use drugs in the past 12 months</i>	-	-	-	2%	-	9%	-	4%
<i>Never used drugs</i>	100%	100%	98%	94%	100%	88%	99%	92%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	50%	-	-	13%	50%	4%
<i>Never injected drugs</i>	-	-	50%	100%	100%	88%	50%	96%

### Knowledge

Correctly answered knowledge questions	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	56%	100%	68%	94%	80%	97%	70%	94%
Having only one faithful uninfected partner	56%	50%	64%	84%	72%	84%	65%	84%
Using condoms reduces the risk for HIV	78%	50%	79%	89%	91%	86%	83%	88%
A person can get HIV from mosquitoes	78%	50%	72%	91%	80%	90%	76%	91%
A person can get HIV in toilet bowls	59%	50%	56%	81%	74%	81%	62%	80%
Correct on all 5 knowledge questions	26%	-	24%	56%	37%	61%	28%	57%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	6%	62%
Received free condoms in the past 12 months (SHC,NGO)	12%	64%
Approached to talk about IDU past 12 months	9%	55%
SHC reach in the past 12 months	12%	66%
Visited or consulted SHC/CHO in the past 12 months	-	27%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	9%	4%
Accessed SHC STI services (past 12 months)	6%	66%
Had vaginal smear at the SHC (past 12 months)	-	26%
Condoms are easy to get in the community	89%	69%
Buys own condom	27%	60%
Last HIV test was in SHC	43%	88%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	69%	46%
Knows where to get tested for HIV	28%	74%
Ever tested for HIV	10%	49%
% of FSW who had an HIV test in the past 12 months and got results	3%	26%
% who got results of those who had an HIV test in the past 12 months	80%	75%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.00%	0.00%
Syphilis	0.66%	0.33%

# Caloocan City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	292
Age Range (Median)	15-55 (20)
15 to 17 years old	24%
18 to 24 years old	49%
25 years and older	27%

CIVIL STATUS	
Single	90%
Married	10%
Separated/Widower	1%

Presently living with a partner	26%
---------------------------------	-----

EDUCATION	
No grade completed	2%
Elementary	18%
High School	64%
Vocational/ College/ Post Graduate	16%

OTHERS	
With Children	12%
Student	15%
New resident of the city	6%
Member of a social networking website	15%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	7-28 (16)
Age of first sex with another male	8-32 (16)
Age first accepted payment for sex	11-40 (17)
Age first bought sex	12-50 (19)
Age of first condom use	10-40 (18)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-50 (8)
Non-paying male partner (past month)	1-20 (4)
One time sex partner (past month)	1-10 (2)
More than one time sex partner (past month)	1-13 (3)
Clients (past 12 months)	1-12 (6)
Clients (past month)	1-25 (4)
Sex workers (past 12 months)	1-120 (7)
Sex workers (past month)	1-10 (2)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	52%	50%	56%	52%
Anal receiver only	10%	8%	5%	8%
Anal inserter only	14%	9%	13%	11%
Both anal receiver and inserter	23%	32%	27%	29%

Had anal sex in the past 12 months	41%	42%	41%	42%
Have had anal sex but <b>NOT</b> in the past 12 months	9%	11%	10%	10%
Never had anal sex	50%	47%	49%	48%

Used a condom during last anal sex in the past 12 months	50%	37%	28%	38%
Reason for not using a condom during last anal sex				
Condom not available	38%	38%	46%	40%
Cannot afford to buy condoms	-	-	-	-
Partner objected	12%	14%	23%	17%
Do not know how to use condom	-	-	-	-
Doesn't like condom	50%	36%	27%	36%
Not necessary	-	5%	4%	4%
Forgot to use a condom	-	2%	-	1%
Other responses	-	5%	-	2%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	6%	9%	10%	9%

Number of sex acts in a month with more than one time sex partner (mean)	1-25 (5)	1-20 (6)	1-20 (5)	1-25 (6)
--	----------	----------	----------	----------

Participated in an orgy in the past 12 months	7%	1%	-	2%
<i>Did not participate in an orgy in the past 12 months</i>	9%	12%	14%	12%
<i>No response</i>	84%	87%	86%	86%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	35%	38%	42%	39%
<i>Did not have sex with a female in the past 12 months</i>	6%	5%	18%	9%
<i>No response</i>	59%	57%	40%	53%
Used a condom during last vaginal sex in the past 12 months	6%	8%	23%	12%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	26%	30%	23%	27%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	-	3%	1%
<i>Never accepted cash for sex</i>	74%	70%	75%	72%
Used a condom during last paying sex in the past 12 months	20%	13%	9%	14%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	7%	8%	15%	10%
<i>Was a client of sex workers but NOT in the past 12 months</i>	4%	2%	8%	4%
<i>Never been a client of a sex worker</i>	88%	90%	78%	86%
Used a condom during last paid sex in the past 12 months	75%	13%	17%	28%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	-	5%	10%	5%
<i>Did not use drugs in the past 12 months</i>	-	-	8%	2%
<i>Never used drugs</i>	100%	95%	82%	92%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	30%	12%	24%
<i>Never injected drugs</i>	100%	70%	88%	76%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	51%	61%	57%	57%
Having only one faithful uninfected partner	51%	51%	51%	51%
Using condoms reduces the risk for HIV	61%	73%	76%	71%
A person cannot get HIV from mosquitoes	58%	52%	51%	53%
A person cannot get HIV in toilet bowls	51%	49%	46%	49%
Correct on all 5 knowledge questions	17%	21%	15%	19%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	7%
Received free condoms in the past 12 months (SHC, NGO)	15%
Received free lubricants in the past 12 months (SHC, NGO)	5%
SHC reach in the past 12 months	15%
Visited or consulted SHC/CHO in the past 12 months	2%

ACCESS	
Had STI in the past 12 months	4%
Accessed SHC STI services in the past 12 months	2%
Condoms are easy to get in the community	74%
Buys own condom	19%
Last HIV test was in SHC	80%

ATTITUDE	
Feels at risk for HIV	43%
Knows where to get tested for HIV	25%
Ever tested for HIV	3%
% of MSM who had an HIV test in the past 12 months and got results	1%
% who got results of those who had an HIV test in the past 12 months	100%
Knows SHC has male STI services	5%
Comfortable to go to SHC for HIV Testing	43%
Comfortable to go to SHC for STI Consultation	40%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	45%
Feels no need to get tested	12%
Don't know where to get tested	21%
Testing facility too far	1%
No money for testing	9%
Other reasons	13%

Prevalence

PREVALENCE	
HIV	0.65%
Syphilis	1.61%

# Makati City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)** , 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	153	306
Age Range (Median)	17-52 (24)	18-47 (24)
Less than 18 years old	1%	-
18 to 24 years old	54%	50%
25 years and older	45%	50%

	EDUCATION	
	FFSW	RFSW
No grade completed	-	-
Elementary	25%	21%
High School	64%	69%
Vocational/ College/ Post Graduate	10%	10%

### Work Profile

WORK PROFILE	
FFSW only	13%
RFSW Only	66%
FFSW who works in an establishment	20%
RFSW who works in cruising sites	1%

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	12-25 (18)	12-27 (18)
Age first accepted payment for sex	14-35 (20)	15-35 (21)
Age of first condom use	15-32 (20)	14-34 (20)

### CIVIL STATUS

	FFSW	RFSW
Single	86%	88%
Married	9%	6%
Separated/Widowed	5%	7%
Presently living with a partner	37%	30%

### OTHERS

	FFSW	RFSW
With Children	67%	56%
Student	5%	2%
New resident of the city	26%	32%

### NUMBER OF TIMES IN A YEAR

	FFSW	RFSW
All throughout the year	21%	43%
Selected times of the year	39%	47%
As the need arose	40%	10%

Number of times worked as a sex worker in the past week (mean)	1-7 (3)	1-6 (2)
--	---------	---------

### NUMBER OF MALE SEX PARTNERS (range, mean)

	FFSW	RFSW
Clients (past month)	1-26 (5)	1-20 (3)
Returning client (past month)	1-20 (2)	1-8 (1)
Permanent non-paying partner (past month)	1	1-16 (1)

Sex worker Behavior	15 to 17		18 to 24		25 & older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	-	-	13%	21%	7%	26%	11%	24%
Condom use last sex with client	100%	-	37%	91%	34%	88%	36%	89%
Number of sex acts with returning client in a month (mean)	1	-	1-4 (2)	1-10 (2)	1-14 (2)	1-25 (2)	1-14 (2)	1-25 (2)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	44%	12%
Cannot afford to buy condoms	-	-
Partner objected	12%	28%
Do not know how to use condom	-	-
Doesn't like condom	38%	59%
Not necessary	3%	-
Forgot to use a condom	1%	-
Other responses	1%	-

Non-paying Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	100%	-	47%	31%	61%	36%	54%	33%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	0%	0%	53%	69%	38%	64%	46%	67%
<i>No response</i>	0%	0%	0%	0%	1%	0%	1%	0%

Condom use last sex with non-paying partner	-	-	21%	30%	12%	29%	16%	29%
Number of sex acts with permanent partner in a month (mean)	1	-	1-50 (8)	1-30 (5)	1-24 (5)	1-16 (4)	1-50 (6)	1-30 (5)

**Drug use**

Drug Use	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	100%	-	7%	6%	13%	9%	11%	8%
<i>Did not use drugs in the past 12 months</i>	0	-	7%	5%	6%	8%	7%	7%
<i>Never used drugs</i>	0	-	85%	89%	81%	83%	83%	86%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	0%	-	4%	2%	8%	2%	6%	2%
<i>Never injected drugs</i>	100%	-	96%	98%	92%	98%	94%	98%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	-	-	82%	96%	91%	96%	86%	96%
Having only one faithful uninfected partner	-	-	82%	86%	84%	90%	82%	88%
Using condoms reduces the risk for HIV	-	-	83%	94%	84%	93%	83%	93%
A person can get HIV from mosquitoes	100%	-	57%	84%	62%	81%	59%	83%
A person can get HIV in toilet bowls	-	-	48%	83%	55%	87%	51%	85%
Correct on all 5 knowledge questions	-	-	30%	66%	36%	69%	33%	68%



HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	28%	97%
Received free condoms in the past 12 months (SHC,NGO)	28%	89%
Approached to talk about IDU past 12 months	20%	95%
SHC reach in the past 12 months	22%	98%
Visited or consulted SHC/CHO in the past 12 months	11%	93%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	9%	12%
Accessed SHC STI services (past 12 months)	26%	99%
Had vaginal smear at the SHC (past 12 months)	23%	93%
Condoms are easy to get in the community	69%	72%
Buys own condom	53%	40%
Last HIV test was in SHC	43%	62%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	67%	60%
Knows where to get tested for HIV	59%	94%
Ever tested for HIV	26%	22%
% of FSW who had an HIV test in the past 12 months and got results	12%	9%
% who got results of those who had an HIV test in the past 12 months	90%	84%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.00%	0.33%
Syphilis	0.00%	0.98%

# Makati City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	300
Age Range (Median)	15-52 (24)
15 to 17 years old	5%
18 to 24 years old	50%
25 years and older	45%

CIVIL STATUS	
Single	92%
Married	5%
Separated/Widower	3%

Presently living with a partner	15%
---------------------------------	-----

EDUCATION	
No grade completed	1%
Elementary	8%
High School	65%
Vocational/ College/ Post Graduate	26%

OTHERS	
With Children	10%
Student	7%
New resident of the city	12%
Member of a social networking website	32%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	5-30 (17)
Age of first sex with another male	7-34 (18)
Age first accepted payment for sex	13-29 (19)
Age first bought sex	17-30 (20)
Age of first condom use	13-32 (20)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-80 (13)
Non-paying male partner (past month)	1-20 (4)
One time sex partner (past month)	1-14 (3)
More than one time sex partner (past month)	1-13 (2)
Clients (past 12 months)	1-60 (15)
Clients (past month)	1-10 (3)
Sex workers (past 12 months)	1-90 (19)
Sex workers (past month)	1-23 (5)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	36%	22%	11%	18%
Anal receiver only	7%	12%	10%	11%
Anal inserter only	29%	25%	28%	26%
Both anal receiver and inserter	29%	41%	51%	45%

Had anal sex in the past 12 months	50%	66%	81%	72%
Have had anal sex but <b>NOT</b> in the past 12 months	21%	10%	7%	9%
Never had anal sex	29%	24%	12%	19%

Used a condom during last anal sex in the past 12 months	14%	59%	57%	57%
Reason for not using a condom during last anal sex				
Condom not available	86%	57%	60%	60%
Cannot afford to buy condoms	14%	-	4%	3%
Partner objected	-	7%	9%	7%
Do not know how to use condom	-	2%	-	1%
Doesn't like condom	-	15%	17%	15%
Not necessary	-	7%	6%	6%
Forgot to use a condom	-	9%	2%	5%
Other responses	-	4%	2%	3%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	14%	35%	35%	34%

Number of sex acts in a month with more than one time sex partner (mean)	1-4 (3)	1-20 (3)	1-25 (3)	1-25 (3)
--	---------	----------	----------	----------

Participated in an orgy in the past 12 months	-	5%	10%	7%
<i>Did not participate in an orgy in the past 12 months</i>	21%	11%	11%	12%
<i>No response</i>	79%	83%	79%	81%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	21%	16%	13%	15%
<i>Did not have sex with a female in the past 12 months</i>	7%	11%	18%	14%
<i>No response</i>	71%	73%	68%	71%
Used a condom during last vaginal sex in the past 12 months	-	30%	29%	28%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	71%	50%	46%	49%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	1%	1%	1%
<i>Never accepted cash for sex</i>	29%	49%	53%	50%
Used a condom during last paying sex in the past 12 months	-	58%	65%	58%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	-	19%	18%	17%
<i>Was a client of sex workers but NOT in the past 12 months</i>	-	1%	4%	3%
<i>Never been a client of a sex worker</i>	100%	80%	78%	80%
Used a condom during last paid sex in the past 12 months	-	43%	18%	30%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	-	4%	6%	5%
<i>Did not use drugs in the past 12 months</i>	-	2%	5%	3%
<i>Never used drugs</i>	100%	94%	90%	92%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	71%	20%	39%
<i>Never injected drugs</i>	100%	29%	80%	61%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	71%	97%	94%	94%
Having only one faithful uninfected partner	71%	87%	85%	85%
Using condoms reduces the risk for HIV	79%	94%	95%	94%
A person cannot get HIV from mosquitoes	64%	83%	83%	82%
A person cannot get HIV in toilet bowls	71%	85%	89%	86%
Correct on all 5 knowledge questions	36%	68%	64%	65%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	9%
Received free condoms in the past 12 months (SHC, NGO)	12%
Received free lubricants in the past 12 months (SHC, NGO)	3%
SHC reach in the past 12 months	11%
Visited or consulted SHC/CHO in the past 12 months	4%

ACCESS	
Had STI in the past 12 months	2%
Accessed SHC STI services in the past 12 months	7%
Condoms are easy to get in the community	69%
Buys own condom	36%
Last HIV test was in SHC	57%

ATTITUDE	
Feels at risk for HIV	68%
Knows where to get tested for HIV	50%
Ever tested for HIV	8%
% of MSM who had an HIV test in the past 12 months and got results	3%
% who got results of those who had an HIV test in the past 12 months	83%
Knows SHC has male STI services	11%
Comfortable to go to SHC for HIV Testing	64%
Comfortable to go to SHC for STI Consultation	61%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	23%
Feels no need to get tested	28%
Don't know where to get tested	24%
Testing facility too far	6%
No money for testing	17%
Other reasons	3%

Prevalence

PREVALENCE	
HIV	0.67%
Syphilis	1.33%

# Mandaluyong City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)**, 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	148	304
Age Range (Median)	17-45 (24)	18-53 (24)
Less than 18 years old	1%	-
18 to 24 years old	50%	51%
25 years and older	49%	49%

	EDUCATION	
	FFSW	RFSW
No grade completed	-	1%
Elementary	7%	18%
High School	69%	72%
Vocational/ College/ Post Graduate	24%	8%

	CIVIL STATUS	
	FFSW	RFSW
Single	76%	90%
Married	20%	8%
Separated/Widowed	3%	3%

Presently living with a partner	40%	34%
---------------------------------	-----	-----

	OTHERS	
	FFSW	RFSW
With Children	58%	61%
Student	1%	5%
New resident of the city	22%	24%

### Work Profile

WORK PROFILE	
FFSW only	10%
RFSW Only	60%
FFSW who works in an establishment	24%
RFSW who works in cruising sites	6%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	45%	31%
Selected times of the year	43%	26%
As the need arose	13%	43%

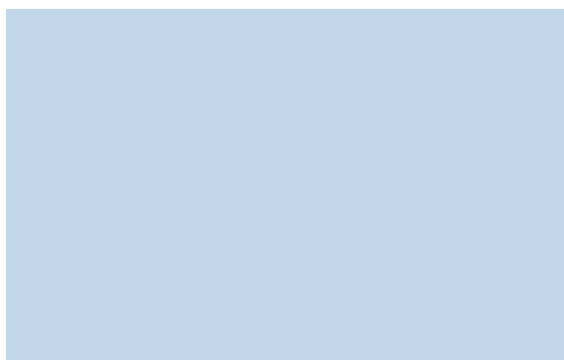
Number of times worked as a sex worker in the past week (mean)	1-6 (2)	1-7 (2)
--	---------	---------

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	15-37 (18)	13-30 (18)
Age first accepted payment for sex	16-35 (22)	15-41 (20)
Age of first condom use	17-32 (21)	16-42 (20)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-12 (2)	1-10 (2)
Returning client (past month)	1-3 (1)	1-10 (2)
Permanent non-paying partner (past month)	1-2 (1)	1-10 (1)

Sex worker Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	-	-	3%	9%	3%	14%	3%	11%
Condom use last sex with client	-	-	8%	12%	19%	16%	14%	14%
Number of sex acts with returning client in a month (mean)	-	-	1-5 (2)	1-16 (2)	1-12 (2)	1-8 (2)	1-12 (2)	1-16 (2)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	2%	3%
Cannot afford to buy condoms	-	-
Partner objected	37%	30%
Do not know how to use condom	2%	3%
Doesn't like condom	12%	52%
Not necessary	48%	10%
Forgot to use a condom	-	2%
Other responses	-	1%

Non-paying Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	-	-	46%	42%	51%	43%	48%	42%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	100%	-	54%	56%	49%	57%	52%	57%
<i>No response</i>	-	-	-	2%	-	-	-	1%

Condom use last sex with non-paying partner	-	-	19%	16%	23%	11%	21%	14%
Number of sex acts with permanent partner in a month (mean)	-	-	1-16 (5)	1-10 (3)	1-30 (5)	1-16 (3)	1-30 (5)	1-16 (3)

**Drug use**

Drug Use	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	-	-	1%	4%	10%	1%	5%	2%
<i>Did not use drugs in the past 12 months</i>	-	-	-	2%	7%	7%	3%	4%
<i>Never used drugs</i>	100%	-	99%	94%	84%	93%	91%	93%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	-	-	-	-	-	-
<i>Never injected drugs</i>	-	-	100%	100%	100%	100%	100%	100%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	100%	-	82%	78%	82%	81%	82%	80%
Having only one faithful uninfected partner	100%	-	77%	86%	74%	91%	76%	88%
Using condoms reduces the risk for HIV	100%	-	81%	79%	78%	83%	80%	81%
A person can get HIV from mosquitoes	100%	-	89%	62%	80%	69%	85%	65%
A person can get HIV in toilet bowls	100%	-	76%	64%	74%	76%	75%	70%
Correct on all 5 knowledge questions	100%	-	43%	33%	39%	42%	41%	38%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	40%	73%
Received free condoms in the past 12 months (SHC,NGO)	32%	75%
Approached to talk about IDU past 12 months	18%	46%
SHC reach in the past 12 months	48%	82%
Visited or consulted SHC/CHO in the past 12 months	13%	14%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	2%	6%
Accessed SHC STI services (past 12 months)	27%	81%
Had vaginal smear at the SHC (past 12 months)	25%	38%
Condoms are easy to get in the community	49%	87%
Buys own condom	20%	19%
Last HIV test was in SHC	75%	89%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	31%	53%
Knows where to get tested for HIV	86%	87%
Ever tested for HIV	20%	37%
% of FSW who had an HIV test in the past 12 months and got results	3%	22%
% who got results of those who had an HIV test in the past 12 months	67%	87%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.00%	0.00%
Syphilis	0.66%	0.33%

# Mandaluyong City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	306
Age Range (Median)	15-61 (24)
15 to 17 years old	8%
18 to 24 years old	44%
25 years and older	48%

EDUCATION	
No grade completed	1%
Elementary	12%
High School	56%
Vocational/ College/ Post Graduate	31%

CIVIL STATUS	
Single	89%
Married	10%
Separated/Widower	<1%

Presently living with a partner	35%
---------------------------------	-----

OTHERS	
With Children	18%
Student	15%
New resident of the city	9%
Member of a social networking website	6%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	6-30 (17)
Age of first sex with another male	2-37 (17)
Age first accepted payment for sex	7-26 (18)
Age first bought sex	12-35 (20)
Age of first condom use	12-40 (18)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-150 (4)
Non-paying male partner (past month)	1-20 (2)
One time sex partner (past month)	1-30 (1)
More than one time sex partner (past month)	1-30 (1)
Clients (past 12 months)	1-35 (3)
Clients (past month)	1-20 (2)
Sex workers (past 12 months)	1-30 (4)
Sex workers (past month)	1-5 (2)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	4%	14%	16%	14%
Anal receiver only	29%	22%	25%	24%
Anal inserter only	21%	15%	16%	16%
Both anal receiver and inserter	46%	49%	43%	46%

Had anal sex in the past 12 months	95%	82%	76%	80%
Have had anal sex but <b>NOT</b> in the past 12 months	-	3%	7%	5%
Never had anal sex	5%	15%	17%	15%

Used a condom during last anal sex in the past 12 months	15%	24%	28%	25%
Reason for not using a condom during last anal sex				
Condom not available	19%	39%	31%	33%
Cannot afford to buy condoms	-	-	2%	1%
Partner objected	12%	16%	14%	14%
Do not know how to use condom	25%	6%	6%	8%
Doesn't like condom	25%	22%	26%	24%
Not necessary	19%	16%	20%	18%
Forgot to use a condom	-	2%	2%	1%
Other responses	-	-	-	-



Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	4%	14%	16%	14%

Number of sex acts in a month with more than one time sex partner (mean)	1-20 (3)	1-25 (2)	1-20 (2)	1-25 (2)
--	----------	----------	----------	----------

Participated in an orgy in the past 12 months	17%	3%	1%	3%
<i>Did not participate in an orgy in the past 12 months</i>	8%	19%	14%	16%
<i>No response</i>	75%	78%	85%	81%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	29%	33%	31%	31%
<i>Did not have sex with a female in the past 12 months</i>	4%	11%	16%	13%
<i>No response</i>	67%	56%	53%	56%
Used a condom during last vaginal sex in the past 12 months	-	18%	5%	11%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	33%	34%	35%	34%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	6%	7%	6%
<i>Never accepted cash for sex</i>	67%	60%	58%	59%
Used a condom during last paying sex in the past 12 months	50%	33%	32%	34%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	17%	19%	25%	21%
<i>Was a client of sex workers but NOT in the past 12 months</i>	9%	13%	7%	10%
<i>Never been a client of a sex worker</i>	74%	68%	68%	68%
Used a condom during last paid sex in the past 12 months	33%	30%	30%	30%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	8%	6%	4%	5%
<i>Did not use drugs in the past 12 months</i>	4%	8%	13%	10%
<i>No response</i>	88%	87%	83%	85%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	2%	3%	2%
<i>No response</i>	100%	98%	97%	98%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	83%	91%	94%	92%
Having only one faithful uninfected partner	71%	89%	87%	87%
Using condoms reduces the risk for HIV	79%	78%	80%	79%
A person cannot get HIV from mosquitoes	75%	89%	92%	89%
A person cannot get HIV in toilet bowls	79%	85%	90%	87%
Correct on all 5 knowledge questions	38%	60%	62%	59%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	16%
Received free condoms in the past 12 months (SHC, NGO)	19%
Received free lubricants in the past 12 months (SHC, NGO)	2%
SHC reach in the past 12 months	24%
Visited or consulted SHC/CHO in the past 12 months	6%

ACCESS	
Had STI in the past 12 months	3%
Accessed SHC STI services in the past 12 months	13%
Condoms are easy to get in the community	52%
Buys own condom	29%
Last HIV test was in SHC	52%

ATTITUDE	
Feels at risk for HIV	57%
Knows where to get tested for HIV	43%
Ever tested for HIV	17%
% of MSM who had an HIV test in the past 12 months and got results	7%
% who got results of those who had an HIV test in the past 12 months	81%
Knows SHC has male STI services	28%
Comfortable to go to SHC for HIV Testing	49%
Comfortable to go to SHC for STI Consultation	47%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	54%
Feels no need to get tested	26%
Don't know where to get tested	10%
Testing facility too far	2%
No money for testing	8%
Other reasons	1%

PREVALENCE	
HIV	0.99%
Syphilis	1.32%

Prevalence

# Manila City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, , who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)** , 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

## Female Sex Workers

### Demographic Profile

AGE	
	FFSW
Total Sample	299
Age Range (Median)	16-55 (24)
Less than 18 years old	3%
18 to 24 years old	47%
25 years and older	50%

CIVIL STATUS	
	FFSW
Single	76%
Married	13%
Separated/Widowed	11%

Presently living with a partner	56%
---------------------------------	-----

EDUCATION	
	FFSW
No grade completed	3%
Elementary	34%
High School	57%
Vocational/ College/ Post Graduate	6%

OTHERS	
	FFSW
With Children	63%
Student	4%
New resident of the city	17%

### Work Profile

WORK PROFILE	
	FFSW
FFSW only	68%
FFSW who works in an establishment	32%

NUMBER OF TIMES IN A YEAR	
	FFSW
All throughout the year	40%
Selected times of the year	28%
As the need arose	32%

Number of times worked as a sex worker in the past week (mean)	1-7 (4)
--	---------

### Sexual Behavior

AGE PROFILE (range, median)	
	FFSW
Age of first sex	12-36 (18)
Age first accepted payment for sex	13-44 (20)
Age of first condom use	13-44 (20)

NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW
Clients (past month)	1-60 (10)
Returning client (past month)	1-40 (3)
Permanent non-paying partner (past month)	1-6 (1)

Sex worker Behavior	15 to 17 FFSW	18 to 24 FFSW	25 and older FFSW	Total FFSW
Brings a condom during sex work	-	18%	26%	22%
Condom use last sex with client	75%	72%	71%	72%
Number of sex acts with returning client in a month (mean)	1-4 (2)	1-20 (3)	1-14 (3)	1-20 (3)

REASON FOR NOT USING A CONDOM	
	FFSW
Condom not available	10%
Cannot afford to buy condoms	1%
Partner objected	30%
Do not know how to use condom	4%
Doesn't like condom	27%
Not necessary	22%
Forgot to use a condom	1%
Other responses	4%

Non-paying Behavior	15 to 17	18 to 24	25 and older	Total
	FFSW	FFSW	FFSW	FFSW
Had sex with a non-paying partner (past 12 months)	38%	61%	62%	61%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	62%	39%	38%	39%
<i>No response</i>	-	-	-	-

Condom use last sex with non-paying partner	33%	16%	16%	16%
Number of sex acts with permanent partner in a month (mean)	1-2 (2)	1-30 (4)	1-30 (5)	1-30 (4)

#### Drug use

Drug Use	15 to 17	18 to 24	25 and older	Total
	FFSW	FFSW	FFSW	FFSW
Used drugs in the past 12 months	-	8%	19%	13%
<i>Did not use drugs in the past 12 months</i>	-	14%	11%	12%
<i>Never used drugs</i>	100%	77%	70%	75%

Injected drugs in the past 12 months	-	-	2%	1%
<i>Did not inject drugs in the past 12 months</i>	-	3%	2%	3%
<i>Never injected drugs</i>	-	97%	95%	96%

#### Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 and older	Total
	FFSW	FFSW	FFSW	FFSW
Healthy looking person can have HIV	75%	78%	73%	76%
Having only one faithful uninfected partner	62%	49%	59%	55%
Using condoms reduces the risk for HIV	88%	72%	74%	73%
A person can get HIV from mosquitoes	50%	43%	48%	46%
A person can get HIV in toilet bowls	50%	32%	45%	39%
Correct on all 5 knowledge questions	12%	11%	19%	15%

HIV  
Intervention

EXPOSURE	
	FFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	17%
Received free condoms in the past 12 months (SHC,NGO)	19%
Approached to talk about IDU past 12 months	11%
SHC reach in the past 12 months	19%
Visited or consulted SHC/CHO in the past 12 months	7%

ACCESS	
	FFSW
Recently with STI (past 12 months)	5%
Accessed SHC STI services (past 12 months)	19%
Had vaginal smear at the SHC (past 12 months)	14%
Condoms are easy to get in the community	80%
Buys own condom	61%
Last HIV test was in SHC	40%

ATTITUDE	
	FFSW
Feels at risk for HIV	57%
Knows where to get tested for HIV	44%
Ever tested for HIV	16%
% of FSW who had an HIV test in the past 12 months and got results	5%
% who got results of those who had an HIV test in the past 12 months	71%

Prevalence

PREVALENCE	
	FFSW
HIV	0.00%
Syphilis	2.00%

# Manila City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	299
Age Range (Median)	15-61 (23)
15 to 17 years old	9%
18 to 24 years old	51%
25 years and older	40%

EDUCATION	
No grade completed	1%
Elementary	24%
High School	53%
Vocational/ College/ Post Graduate	22%

CIVIL STATUS	
Single	92%
Married	8%
Separated/Widower	<1%

Presently living with a partner	30%
---------------------------------	-----

OTHERS	
With Children	24%
Student	15%
New resident of the city	4%
Member of a social networking website	14%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	6-31 (16)
Age of first sex with another male	6-35 (18)
Age first accepted payment for sex	9-35 (19)
Age first bought sex	13-46 (20)
Age of first condom use	13-41 (19)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-84 (7)
Non-paying male partner (past month)	1-30 (3)
One time sex partner (past month)	1-22 (2)
More than one time sex partner (past month)	1-11 (2)
Clients (past 12 months)	1-84 (8)
Clients (past month)	1-8 (2)
Sex workers (past 12 months)	1-100 (4)
Sex workers (past month)	1-100 (3)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	63%	59%	51%	57%
Anal receiver only	11%	12%	13%	12%
Anal inserter only	22%	16%	10%	14%
Both anal receiver and inserter	4%	13%	26%	17%

Had anal sex in the past 12 months	23%	34%	41%	36%
Have had anal sex but <b>NOT</b> in the past 12 months	15%	7%	7%	7%
Never had anal sex	62%	60%	52%	57%

Used a condom during last anal sex in the past 12 months	17%	35%	35%	34%
Reason for not using a condom during last anal sex				
Condom not available	29%	36%	39%	37%
Cannot afford to buy condoms	-	-	-	-
Partner objected	43%	8%	15%	14%
Do not know how to use condom	-	5%	3%	4%
Doesn't like condom	29%	38%	18%	29%
Not necessary	-	13%	21%	15%
Forgot to use a condom	-	-	3%	1%
Other responses	-	-	-	-

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	-	8%	12%	9%

Number of sex acts in a month with more than one time sex partner (mean)	1-3 (2)	1-15 (3)	1-16 (4)	1-16 (3)
--	---------	----------	----------	----------

Participated in an orgy in the past 12 months	7%	7%	14%	10%
<i>Did not participate in an orgy in the past 12 months</i>	19%	18%	22%	19%
<i>No response</i>	74%	75%	64%	71%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	52%	63%	49%	57%
<i>Did not have sex with a female in the past 12 months</i>	15%	7%	24%	15%
<i>No response</i>	33%	29%	27%	29%
Used a condom during last vaginal sex in the past 12 months	15%	20%	18%	19%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	59%	66%	47%	58%
<i>Accepted cash for sex but NOT in the past 12 months</i>	4%	1%	-	1%
<i>Never accepted cash for sex</i>	37%	33%	53%	41%
Used a condom during last paying sex in the past 12 months	33%	41%	54%	44%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	-	8%	20%	12%
<i>Was a client of sex workers but NOT in the past 12 months</i>	7%	3%	4%	4%
<i>Never been a client of a sex worker</i>	93%	89%	76%	84%
Used a condom during last paid sex in the past 12 months	-	60%	50%	53%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	30%	39%	36%	37%
<i>Did not use drugs in the past 12 months</i>	-	36%	47%	37%
<i>Never used drugs</i>	70%	25%	18%	26%

Injected drugs in the past 12 months	-	-	3%	1%
<i>Did not inject drugs in the past 12 months</i>	-	82%	83%	83%
<i>Never injected drugs</i>	100%	18%	14%	16%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	65%	91%	94%	90%
Having only one faithful uninfected partner	89%	83%	85%	85%
Using condoms reduces the risk for HIV	74%	93%	95%	92%
A person cannot get HIV from mosquitoes	74%	73%	73%	73%
A person cannot get HIV in toilet bowls	59%	68%	65%	66%
Correct on all 5 knowledge questions	23%	47%	47%	45%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	15%
Received free condoms in the past 12 months (SHC, NGO)	19%
Received free lubricants in the past 12 months (SHC, NGO)	3%
SHC reach in the past 12 months	23%
Visited or consulted SHC/CHO in the past 12 months	17%

ACCESS	
Had STI in the past 12 months	5%
Accessed SHC STI services in the past 12 months	19%
Condoms are easy to get in the community	79%
Buys own condom	44%
Last HIV test was in SHC	48%

ATTITUDE	
Feels at risk for HIV	81%
Knows where to get tested for HIV	28%
Ever tested for HIV	9%
% of MSM who had an HIV test in the past 12 months and got results	3%
% who got results of those who had an HIV test in the past 12 months	73%
Knows SHC has male STI services	10%
Comfortable to go to SHC for HIV Testing	73%
Comfortable to go to SHC for STI Consultation	74%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	39%
Feels no need to get tested	22%
Don't know where to get tested	29%
Testing facility too far	3%
No money for testing	3%
Other reasons	5%

Prevalence

PREVALENCE	
HIV	4.25%
Syphilis	1.31%



# Marikina City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, , who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)** , 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	149	293
Age Range (Median)	15-55 (24)	17-49 (23)
Less than 18 years old	19%	2%
18 to 24 years old	35%	65%
25 years and older	46%	33%

	EDUCATION	
	FFSW	RFSW
No grade completed	8%	1%
Elementary	36%	16%
High School	48%	69%
Vocational/ College/ Post Graduate	9%	14%

	CIVIL STATUS	
	FFSW	RFSW
Single	49%	89%
Married	26%	5%
Separated/Widower	26%	7%

Presently living with a partner	34%	43%
---------------------------------	-----	-----

	OTHERS	
	FFSW	RFSW
With Children	58%	65%
Student	4%	3%
New resident of the city	17%	30%

### Work Profile

WORK PROFILE	
FFSW only	34%
RFSW Only	58%
FFSW who works in an establishment	<1%
RFSW who works in cruising sites	7%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	59%	8%
Selected times of the year	2%	33%
As the need arose	39%	59%

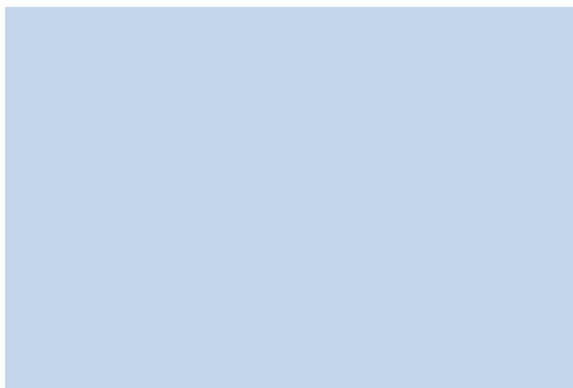
Number of times worked as a sex worker in the past week (mean)	1-7 (5)	1-7 (2)
--	---------	---------

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	11-37 (17)	13-28 (18)
Age first accepted payment for sex	13-40 (19)	15-35 (20)
Age of first condom use	13-40 (19)	16-32 (20)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-30 (11)	1-12 (5)
Returning client (past month)	1-80 (4)	1-6 (2)
Permanent non-paying partner (past month)	1-5 (1)	1-4 (1)

Sex worker Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	21%	67%	51%	43%	78%	45%	57%	44%
Condom use last sex with client	66%	50%	84%	71%	79%	64%	78%	68%
Number of sex acts with returning client in a month (mean)	1-4 (2)	2-4 (3)	1-8 (3)	1-10 (3)	1-20 (2)	1-15 (3)	1-20 (2)	1-15 (3)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	20%	7%
Cannot afford to buy condoms	-	1%
Partner objected	47%	30%
Do not know how to use condom	-	3%
Doesn't like condom	23%	55%
Not necessary	10%	1%
Forgot to use a condom	-	1%
Other responses	-	1%

Non-paying Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	10%	100%	25%	85%	43%	84%	30%	85%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	90%	0%	75%	14%	57%	16%	70%	15%
<i>No response</i>	-	-	-	1%	-	-	-	<1%

Condom use last sex with non-paying partner	-	33%	-	25%	7%	21%	4%	24%
Number of sex acts with permanent partner in a month (mean)	3-12 (8)	1-10 (4)	1-30 (9)	1-30 (7)	1-31 (8)	1-50 (6)	1-31 (8)	1-50 (6)

### Drug use

Drug Use	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	24%	-	13%	8%	9%	3%	13%	6%
<i>Did not use drugs in the past 12 months</i>	-	-	6%	6%	7%	7%	5%	6%
<i>Never used drugs</i>	76%	100%	81%	86%	84%	90%	81%	87%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	-	-	9%	-	3%	-
<i>Never injected drugs</i>	100%	-	100%	100%	91%	100%	97%	100%

### Knowledge

Correctly answered knowledge questions	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	55%	100%	65%	95%	71%	96%	66%	95%
Having only one faithful uninfected partner	76%	80%	84%	90%	93%	90%	86%	90%
Using condoms reduces the risk for HIV	72%	80%	88%	94%	85%	97%	84%	94%
A person can get HIV from mosquitoes	48%	100%	58%	91%	57%	92%	56%	91%
A person can get HIV in toilet bowls	21%	60%	55%	81%	56%	91%	49%	84%
Correct on all 5 knowledge questions	10%	60%	24%	72%	35%	74%	26%	72%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	45%	51%
Received free condoms in the past 12 months (SHC,NGO)	57%	72%
Approached to talk about IDU past 12 months	37%	41%
SHC reach in the past 12 months	59%	77%
Visited or consulted SHC/CHO in the past 12 months	14%	65%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	5%	7%
Accessed SHC STI services (past 12 months)	37%	82%
Had vaginal smear at the SHC (past 12 months)	5%	51%
Condoms are easy to get in the community	93%	76%
Buys own condom	72%	34%
Last HIV test was in SHC	61%	72%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	87%	36%
Knows where to get tested for HIV	61%	90%
Ever tested for HIV	31%	30%
% of FSW who had an HIV test in the past 12 months and got results	9%	12%
% who got results of those who had an HIV test in the past 12 months	76%	87%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.00%	0.33%
Syphilis	1.32%	0.67%

# Marikina City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	296
Age Range (Median)	15-59 (25)
15 to 17 years old	7%
18 to 24 years old	39%
25 years and older	54%

CIVIL STATUS	
Single	91%
Married	7%
Separated/Widower	2%

Presently living with a partner	17%
---------------------------------	-----

EDUCATION	
No grade completed	-
Elementary	12%
High School	50%
Vocational/ College/ Post Graduate	38%

OTHERS	
With Children	13%
Student	12%
New resident of the city	1%
Member of a social networking website	10%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	7-28 (16)
Age of first sex with another male	7-30 (16)
Age first accepted payment for sex	13-25 (17)
Age first bought sex	16-31 (20)
Age of first condom use	14-30 (19)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-150 (23)
Non-paying male partner (past month)	1-22 (4)
One time sex partner (past month)	1-30 (4)
More than one time sex partner (past month)	1-20 (3)
Clients (past 12 months)	1-50 (17)
Clients (past month)	1-40 (5)
Sex workers (past 12 months)	1-120 (18)
Sex workers (past month)	1-35 (4)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	86%	55%	44%	51%
Anal receiver only	5%	7%	18%	13%
Anal inserter only	10%	25%	14%	18%
Both anal receiver and inserter	-	13%	24%	18%

Had anal sex in the past 12 months	5%	36%	42%	37%
Have had anal sex but <b>NOT</b> in the past 12 months	-	1%	6%	4%
Never had anal sex	95%	63%	51%	59%

Used a condom during last anal sex in the past 12 months	100%	80%	76%	78%
Reason for not using a condom during last anal sex				
Condom not available	-	67%	41%	46%
Cannot afford to buy condoms	-	-	3%	2%
Partner objected	-	22%	31%	29%
Do not know how to use condom	-	-	3%	2%
Doesn't like condom	-	11%	16%	15%
Not necessary	-	-	3%	2%
Forgot to use a condom	-	-	-	-
Other responses	-	-	3%	2%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	5%	10%	12%	11%

Number of sex acts in a month with more than one time sex partner (mean)	1-2 (2)	1-6 (2)	1-8 (2)	1-8 (2)
--	---------	---------	---------	---------

Participated in an orgy in the past 12 months	-	4%	7%	5%
<i>Did not participate in an orgy in the past 12 months</i>	14%	13%	13%	13%
<i>No response</i>	86%	83%	80%	81%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	19%	45%	25%	32%
<i>Did not have sex with a female in the past 12 months</i>	-	2%	6%	4%
<i>No response</i>	81%	54%	69%	64%
Used a condom during last vaginal sex in the past 12 months	33%	46%	27%	37%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	60%	59%	27%	42%
<i>Accepted cash for sex but NOT in the past 12 months</i>	-	1%	-	<1%
<i>Never accepted cash for sex</i>	40%	40%	73%	57%
Used a condom during last paying sex in the past 12 months	100%	92%	86%	90%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	5%	22%	65%	45%
<i>Was a client of sex workers but NOT in the past 12 months</i>	-	2%	1%	2%
<i>Never been a client of a sex worker</i>	95%	76%	33%	54%
Used a condom during last paid sex in the past 12 months	-	67%	78%	76%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	-	1%	-	<1%
<i>Did not use drugs in the past 12 months</i>	-	3%	5%	4%
<i>Never used drugs</i>	100%	96%	95%	96%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	22%	43%	35%
<i>Never injected drugs</i>	100%	78%	57%	65%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	38%	79%	94%	84%
Having only one faithful uninfected partner	81%	81%	83%	82%
Using condoms reduces the risk for HIV	90%	94%	95%	94%
A person cannot get HIV from mosquitoes	57%	74%	78%	75%
A person cannot get HIV in toilet bowls	62%	72%	84%	78%
Correct on all 5 knowledge questions	14%	42%	55%	47%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	9%
Received free condoms in the past 12 months (SHC, NGO)	15%
Received free lubricants in the past 12 months (SHC, NGO)	2%
SHC reach in the past 12 months	19%
Visited or consulted SHC/CHO in the past 12 months	5%

ACCESS	
Had STI in the past 12 months	1%
Accessed SHC STI services in the past 12 months	7%
Condoms are easy to get in the community	89%
Buys own condom	26%
Last HIV test was in SHC	56%

ATTITUDE	
Feels at risk for HIV	76%
Knows where to get tested for HIV	65%
Ever tested for HIV	7%
% of MSM who had an HIV test in the past 12 months and got results	3%
% who got results of those who had an HIV test in the past 12 months	100%
Knows SHC has male STI services	41%
Comfortable to go to SHC for HIV Testing	49%
Comfortable to go to SHC for STI Consultation	46%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	45%
Feels no need to get tested	44%
Don't know where to get tested	3%
Testing facility too far	-
No money for testing	5%
Other reasons	2%

Prevalence

PREVALENCE	
HIV	0.67%
Syphilis	0.00%

# Pasay City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, , who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)** , 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	299	299
Age Range (Median)	16-54 (26)	17-41 (23)
Less than 18 years old	2%	1%
18 to 24 years old	42%	62%
25 years and older	56%	37%

	EDUCATION	
	FFSW	RFSW
No grade completed	2%	1%
Elementary	18%	30%
High School	65%	63%
Vocational/ College/ Post Graduate	15%	6%

	CIVIL STATUS	
	FFSW	RFSW
Single	81%	83%
Married	12%	11%
Separated/Widowed	7%	6%

Presently living with a partner	39%	50%
---------------------------------	-----	-----

	OTHERS	
	FFSW	RFSW
With Children	68%	55%
Student	10%	5%
New resident of the city	28%	20%

### Work Profile

WORK PROFILE	
FFSW only	29%
RFSW Only	47%
FFSW who works in an establishment	21%
RFSW who works in cruising sites	3%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	56%	79%
Selected times of the year	40%	7%
As the need arose	4%	14%

Number of times worked as a sex worker in the past week (mean)	1-7 (5)	1-7 (3)
--	---------	---------

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	12-29 (18)	12-33 (18)
Age first accepted payment for sex	15-36 (22)	15-35 (20)
Age of first condom use	15-35 (21)	12-35 (19)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-30 (8)	1-30 (8)
Returning client (past month)	1-11 (2)	1-10 (2)
Permanent non-paying partner (past month)	1	1-3 (1)

Sex worker Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	-	-	16%	30%	28%	33%	23%	31%
Condom use last sex with client	67%	100%	85%	94%	88%	94%	86%	94%
Number of sex acts with returning client in a month (mean)	1-2 (2)	2	1-5 (2)	1-20 (2)	1-10 (2)	1-8 (2)	1-10 (2)	1-20 (2)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	6%	31%
Cannot afford to buy condoms	-	-
Partner objected	33%	38%
Do not know how to use condom	-	-
Doesn't like condom	56%	25%
Not necessary	3%	6%
Forgot to use a condom	-	-
Other responses	3%	-

Non-paying Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	17%	100%	52%	55%	56%	64%	53%	59%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	83%	-	48%	44%	44%	36%	46%	41%
<i>No response</i>	-	-	-	-	1%	-	<1%	-

Condom use last sex with non-paying partner	-	100%	26%	34%	22%	18%	23%	28%
Number of sex acts with permanent partner in a month (mean)	-	1-2 (2)	1-21 (7)	1-30 (5)	1-20 (5)	1-30 (6)	1-21 (6)	1-30 (5)

### Drug use

Drug Use	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	-	-	7%	4%	12%	5%	10%	5%
<i>Did not use drugs in the past 12 months</i>	-	-	3%	2%	2%	7%	2%	4%
<i>Never used drugs</i>	100%	100%	90%	94%	86%	87%	88%	92%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	-	8%	-	-	-	4%
<i>Never injected drugs</i>	-	-	100%	92%	100%	100%	100%	96%

### Knowledge

Correctly answered knowledge questions	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	50%	100%	75%	89%	84%	96%	79%	91%
Having only one faithful uninfected partner	50%	50%	87%	61%	88%	66%	87%	62%
Using condoms reduces the risk for HIV	50%	100%	82%	93%	87%	98%	84%	95%
A person can get HIV from mosquitoes	83%	100%	62%	78%	71%	65%	68%	73%
A person can get HIV in toilet bowls	67%	50%	51%	51%	61%	65%	57%	57%
Correct on all 5 knowledge questions	17%	-	36%	25%	40%	31%	38%	27%



HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	11%	56%
Received free condoms in the past 12 months (SHC,NGO)	7%	89%
Approached to talk about IDU past 12 months	3%	43%
SHC reach in the past 12 months	12%	93%
Visited or consulted SHC/CHO in the past 12 months	2%	46%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	4%	10%
Accessed SHC STI services (past 12 months)	14%	82%
Had vaginal smear at the SHC (past 12 months)	20%	88%
Condoms are easy to get in the community	91%	93%
Buys own condom	59%	80%
Last HIV test was in SHC	44%	59%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	44%	66%
Knows where to get tested for HIV	52%	64%
Ever tested for HIV	14%	24%
% of FSW who had an HIV test in the past 12 months and got results	2%	4%
% who got results of those who had an HIV test in the past 12 months	83%	86%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.00%	0.33%
Syphilis	0.33%	0.33%

# Pasay City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	300
Age Range (Median)	15-77 (25)
15 to 17 years old	7%
18 to 24 years old	40%
25 years and older	52%

CIVIL STATUS	
Single	87%
Married	11%
Separated/Widower	2%

Presently living with a partner	39%
---------------------------------	-----

EDUCATION	
No grade completed	<1%
Elementary	15%
High School	65%
Vocational/ College/ Post Graduate	20%

OTHERS	
With Children	28%
Student	10%
New resident of the city	8%
Member of a social networking website	26%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	10-31 (16)
Age of first sex with another male	10-31 (17)
Age first accepted payment for sex	13-30 (19)
Age first bought sex	14-35 (19)
Age of first condom use	12-30 (19)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-100 (9)
Non-paying male partner (past month)	1-20 (4)
One time sex partner (past month)	1-10 (2)
More than one time sex partner (past month)	1-10 (3)
Clients (past 12 months)	1-53 (6)
Clients (past month)	1-30 (2)
Sex workers (past 12 months)	1-30 (4)
Sex workers (past month)	1-6 (2)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	57%	46%	30%	39%
Anal receiver only	10%	15%	17%	15%
Anal inserter only	10%	16%	17%	16%
Both anal receiver and inserter	24%	23%	36%	30%

Had anal sex in the past 12 months	41%	47%	61%	54%
Have had anal sex but <b>NOT</b> in the past 12 months	5%	7%	10%	8%
Never had anal sex	55%	47%	29%	38%

Used a condom during last anal sex in the past 12 months	11%	43%	35%	36%
Reason for not using a condom during last anal sex				
Condom not available	89%	37%	14%	26%
Cannot afford to buy condoms	-	3%	1%	2%
Partner objected	-	14%	25%	20%
Do not know how to use condom	-	3%	1%	2%
Doesn't like condom	11%	31%	41%	36%
Not necessary	-	9%	3%	4%
Forgot to use a condom	-	-	5%	3%
Other responses	-	3%	10%	7%

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	5%	11%	12%	11%

Number of sex acts in a month with more than one time sex partner (mean)	1-7 (3)	1-10 (3)	1-30 (4)	1-30 (3)
--	---------	----------	----------	----------

Participated in an orgy in the past 12 months	-	10%	6%	7%
<i>Did not participate in an orgy in the past 12 months</i>	18%	12%	21%	17%
<i>No response</i>	82%	79%	73%	76%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	27%	51%	39%	43%
<i>Did not have sex with a female in the past 12 months</i>	5%	8%	11%	9%
<i>No response</i>	68%	40%	50%	47%
Used a condom during last vaginal sex in the past 12 months	50%	47%	34%	41%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	71%	82%	68%	74%
<i>Accepted cash for sex but NOT in the past 12 months</i>	5%	-	2%	1%
<i>Never accepted cash for sex</i>	24%	18%	30%	25%
Used a condom during last paying sex in the past 12 months	-	41%	38%	37%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	18%	25%	41%	33%
<i>Was a client of sex workers but NOT in the past 12 months</i>	5%	2%	8%	5%
<i>Never been a client of a sex worker</i>	77%	74%	50%	62%
Used a condom during last paid sex in the past 12 months	-	11%	6%	7%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	-	11%	8%	9%
<i>Did not use drugs in the past 12 months</i>	-	14%	19%	15%
<i>Never used drugs</i>	100%	75%	72%	75%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	10%	29%	21%
<i>Never injected drugs</i>	-	90%	71%	79%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	95%	89%	99%	95%
Having only one faithful uninfected partner	95%	90%	89%	90%
Using condoms reduces the risk for HIV	91%	95%	96%	95%
A person cannot get HIV from mosquitoes	68%	70%	71%	70%
A person cannot get HIV in toilet bowls	64%	66%	82%	74%
Correct on all 5 knowledge questions	55%	45%	58%	52%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	29%
Received free condoms in the past 12 months (SHC, NGO)	28%
Received free lubricants in the past 12 months (SHC, NGO)	15%
SHC reach in the past 12 months	35%
Visited or consulted SHC/CHO in the past 12 months	11%

ACCESS	
Had STI in the past 12 months	4%
Accessed SHC STI services in the past 12 months	14%
Condoms are easy to get in the community	65%
Buys own condom	59%
Last HIV test was in SHC	29%

ATTITUDE	
Feels at risk for HIV	69%
Knows where to get tested for HIV	45%
Ever tested for HIV	19%
% of MSM who had an HIV test in the past 12 months and got results	4%
% who got results of those who had an HIV test in the past 12 months	69%
Knows SHC has male STI services	26%
Comfortable to go to SHC for HIV Testing	93%
Comfortable to go to SHC for STI Consultation	90%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	21%
Feels no need to get tested	23%
Don't know where to get tested	43%
Testing facility too far	1%
No money for testing	6%
Other reasons	6%

Prevalence

PREVALENCE	
HIV	2.00%
Syphilis	1.67%

# Pasay City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Occupational Cohort of Men** Born male, 15 years and older, who paid a female in exchange for sex in the past 12 months

### Occupational Cohort of Men (Bus Drivers)

#### Demographic Profile

AGE	
Total Sample	303
Age Range (Median)	18-60 (38)
15 to 17 years old	-
18 to 24 years old	18 (6%)
25 years and older	285 (94%)

EDUCATION	
No grade completed	-
Elementary	17 (6%)
High School	183 (60%)
Vocational/ College/ Post Graduate	103 (34%)

CIVIL STATUS	
Single	56 (18%)
Married	241 (80%)
Separated/Widower	6 (2%)
Presently living with a partner	191 (65%)

OTHERS	
With Children	256 (84%)
Student	7 (2%)
New resident of the city	9 (3%)

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	14-30 (18)
Age first bought sex	14-58 (23)
Age of first condom use	14-44 (21)

NUMBER OF SEX PARTNERS (range, mean)	
Paid female sex partner (past 12 months)	1-10 (2)
Paid female sex partner (past month)	1-5 (1)
Permanent non-paid female sex partner (past month)	0-4 (1)

Frequency of having sex with a paid female partner	15 to 17	18 to 24	25 & older	Total
Once a week	-	-	7 (2%)	7 (2%)
Twice a month	-	-	20 (7%)	20 (7%)
Once a month	-	3 (17%)	70 (25%)	73 (24%)
Once in 3 months	-	3 (17%)	63 (22%)	66 (22%)
Twice a year	-	2 (11%)	53 (19%)	55 (18%)
Once a year	-	10 (56%)	62 (22%)	72 (24%)
Others	-	-	9 (3%)	9 (3%)

Sexual Practice	15 to 17	18 to 24	25 & older	Total
Had sex with non-paid female partner in the past 12 months	-	8 (44%)	224 (79%)	232 (77%)
<b>Condom Use</b>				
Condom use last sex with non-paid female partner	-	3 (43%)	55 (28%)	58 (29%)
Condom use last sex with paid female partner	-	13 (76%)	174 (61%)	187 (62%)
<b>Reasons for not using condom during last sex with paid female partner</b>				
Condom not available	-	2 (50%)	25 (23%)	27 (24%)
Condoms are expensive	-	-	-	-
Partner objected	-	-	3 (3%)	3 (3%)
Does not know how to use condom	-	-	-	-
Does not like condoms	-	2 (50%)	48 (44%)	50 (44%)
Not necessary	-	-	26 (24%)	26 (23%)
Forgot to put on condom	-	-	7 (6%)	7 (6%)
Other reasons	-	-	-	-

Drug use	<i>Drug Use</i>	<i>15 to 17</i>	<i>18 to 24</i>	<i>25 &amp; older</i>	<i>Total</i>
	Used drugs in the past 12 months	-	1 (6%)	7 (2%)	8 (3%)
	<i>Did not use drugs in the past 12 months</i>	-	1 (6%)	31 (11%)	32 (11%)
	<i>No response</i>	-	16 (89%)	247 (87%)	263 (87%)

Knowledge	Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
	Healthy looking person can have HIV	-	14 (88%)	269 (95%)	283 (95%)
	Having only one faithful uninfected partner	-	15 (83%)	265 (94%)	280 (93%)
	Using condoms reduces the risk for HIV	-	15 (83%)	264 (93%)	279 (92%)
	A person can get HIV from mosquitoes	-	13 (72%)	228 (80%)	241 (80%)
	A person can get HIV in toilet bowls	-	13 (72%)	225 (80%)	238 (79%)
	Correct on all 5 knowledge questions	-	10 (56%)	179 (63%)	189 (62%)

HIV Intervention	EXPOSURE	
	Attended HIV Seminar in the past 12 months (SHC, NGO)	6 (2%)
	Received free condoms in the past 12 months (SHC, NGO)	21 (7%)
	Approached to talk about IDU (past 12 months)	6 (2%)
	SHC reach	1 (<1%)
	Visited or consulted SHC/CHO in the past 12 months	1 (<1%)

ACCESS	
Recently with STI (past 12 months)	3 (1%)
Accessed SHC STI services (past 12 months)	1 (<1%)
Condoms are easy to get in the community	250 (83%)
Buys own condom	143 (47%)

ATTITUDE	
Feels at risk for HIV	125 (41%)
Knows where to get tested for HIV	141 (47%)
Ever tested for HIV	20 (7%)
% of OCM who had an HIV test in the past 12 months and got results	2 (1%)

Prevalence	PREVALENCE	
	HIV	-
	Syphilis	1 (1%)

# Pasig City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, , who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)** , 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	149	145
Age Range (Median)	15-43 (21)	18-45 (24)
Less than 18 years old	17%	-
18 to 24 years old	46%	53%
25 years and older	36%-	47%

	CIVIL STATUS	
	FFSW	RFSW
Single	84%	86%
Married	11%	8%
Separated/Widowed	5%	6%

Presently living with a partner	49%	41%
---------------------------------	-----	-----

	EDUCATION	
	FFSW	RFSW
No grade completed	3%	-
Elementary	38%	16%
High School	54%	74%
Vocational/ College/ Post Graduate	5%	10%

	OTHERS	
	FFSW	RFSW
With Children	54%	69%
Student	7%	4%
New resident of the city	14%	20%

### Work Profile

WORK PROFILE	
FFSW only	39%
RFSW Only	34%
FFSW who works in an establishment	7%
RFSW who works in cruising sites	19%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	32%	19%
Selected times of the year	29%	63%
As the need arose	40%	19%

Number of times worked as a sex worker in the past week (mean)	1-7 (5)	1-6 (2)
--	---------	---------

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	13-24 (16)	13-33 (18)
Age first accepted payment for sex	14-33 (18)	15-35 (20)
Age of first condom use	14-36 (18)	16-34 (20)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-30 (8)	1-11 (3)
Returning client (past month)	1-20 (4)	1-7 (2)
Permanent non-paying partner (past month)	1-2 (1)	1-3 (1)

Sex worker Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	12%	-	32%	16%	37%	15%	30%	15%
Condom use last sex with client	58%	-	70%	49%	63%	51%	65%	50%
Number of sex acts with returning client in a month (mean)	1-12 (4)	-	1-12 (3)	1-8 (2)	1-11 (4)	1-5 (2)	1-12 (4)	1-8 (2)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	-	31%
Cannot afford to buy condoms	-	-
Partner objected	7%	-
Do not know how to use condom	7%	-
Doesn't like condom	69%	62%
Not necessary	5%	4%
Forgot to use a condom	12%	-
Other responses	1%	4%

Non-paying Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	42%	-	41%	81%	56%	79%	46%	80%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	58%	-	59%	18%	44%	21%	54%	19%
<i>No response</i>	-	-	-	1%	-	-	-	1%

Condom use last sex with non-paying partner	9%	-	11%	9%	10%	10%	10%	10%
Number of sex acts with permanent partner in a month (mean)	1-6 (3)	-	1-12 (6)	1-10 (3)	1-30 (6)	1-10 (3)	1-30 (5)	1-10 (3)

### Drug use

Drug Use	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	23%	-	9%	-	6%	4%	10%	2%
<i>Did not use drugs in the past 12 months</i>	4%	-	9%	-	23%	9%	13%	4%
<i>Never used drugs</i>	73%	-	83%	100%	72%	87%	77%	94%

Injected drugs in the past 12 months	14%	-	-	-	-	-	3%	-
<i>Did not inject drugs in the past 12 months</i>	-	-	8%	-	-	10%	3%	5%
<i>Never injected drugs</i>	86%	-	93%	100%	100%	90%	94%	95%

### Knowledge

Correctly answered knowledge questions	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	65%	-	62%	76%	78%	79%	68%	77%
Having only one faithful uninfected partner	58%	-	67%	95%	72%	92%	67%	94%
Using condoms reduces the risk for HIV	62%	-	74%	97%	70%	92%	70%	95%
A person can get HIV from mosquitoes	73%	-	48%	70%	43%	79%	50%	74%
A person can get HIV in toilet bowls	54%	-	45%	62%	46%	77%	47%	70%
Correct on all 5 knowledge questions	42%	-	28%	38%	31%	54%	32%	46%



HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	17%	72%
Received free condoms in the past 12 months (SHC,NGO)	32%	61%
Approached to talk about IDU past 12 months	21%	45%
SHC reach in the past 12 months	32%	74%
Visited or consulted SHC/CHO in the past 12 months	8%	59%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	8%	4%
Accessed SHC STI services (past 12 months)	21%	71%
Had vaginal smear at the SHC (past 12 months)	11%	73%
Condoms are easy to get in the community	62%	70%
Buys own condom	49%	28%
Last HIV test was in SHC	27%	79%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	44%	59%
Knows where to get tested for HIV	47%	70%
Ever tested for HIV	20%	40%
% of FSW who had an HIV test in the past 12 months and got results	10%	23%
% who got results of those who had an HIV test in the past 12 months	83%	75%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.00%	0.00%
Syphilis	0.00%	0.00%

# Pasig City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	290
Age Range (Median)	15-50 (24)
15 to 17 years old	14%
18 to 24 years old	37%
25 years and older	49%

CIVIL STATUS	
Single	93%
Married	6%
Separated/Widower	1%

Presently living with a partner	17%
---------------------------------	-----

EDUCATION	
No grade completed	2%
Elementary	36%
High School	43%
Vocational/ College/ Post Graduate	19%

OTHERS	
With Children	16%
Student	9%
New resident of the city	12%
Member of a social networking website	37%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	7-46 (15)
Age of first sex with another male	7-46 (16)
Age first accepted payment for sex	11-29 (17)
Age first bought sex	11-40 (19)
Age of first condom use	13-38 (18)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-100 (8)
Non-paying male partner (past month)	1-11 (2)
One time sex partner (past month)	1-10 (2)
More than one time sex partner (past month)	1-10 (2)
Clients (past 12 months)	1-60 (6)
Clients (past month)	1-11 (3)
Sex workers (past 12 months)	1-25 (4)
Sex workers (past month)	1-17 (2)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	51%	31%	34%	35%
Anal receiver only	23%	32%	22%	26%
Anal inserter only	23%	18%	23%	21%
Both anal receiver and inserter	3%	19%	21%	18%

Had anal sex in the past 12 months	42%	59%	55%	55%
Have had anal sex but <b>NOT</b> in the past 12 months	-	11%	6%	7%
Never had anal sex	58%	30%	39%	39%

Used a condom during last anal sex in the past 12 months	-	13%	14%	12%
Reason for not using a condom during last anal sex				
Condom not available	44%	49%	54%	51%
Cannot afford to buy condoms	-	-	3%	2%
Partner objected	22%	4%	6%	7%
Do not know how to use condom	-	-	-	-
Doesn't like condom	11%	27%	25%	25%
Not necessary	11%	9%	10%	9%
Forgot to use a condom	11%	11%	2%	6%
Other responses	-	-	-	-

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	8%	5%	3%	4%

Number of sex acts in a month with more than one time sex partner (mean)	1-28 (4)	1-28 (5)	1-30 (4)	1-30 (4)
--	----------	----------	----------	----------

Participated in an orgy in the past 12 months	2%	7%	6%	6%
<i>Did not participate in an orgy in the past 12 months</i>	15%	11%	5%	9%
<i>No response</i>	83%	81%	89%	85%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	37%	26%	30%	29%
<i>Did not have sex with a female in the past 12 months</i>	7%	10%	12%	11%
<i>No response</i>	56%	64%	58%	60%
Used a condom during last vaginal sex in the past 12 months	18%	4%	5%	7%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	57%	41%	38%	42%
<i>Accepted cash for sex but NOT in the past 12 months</i>	3%	3%	3%	3%
<i>Never accepted cash for sex</i>	41%	56%	59%	55%
Used a condom during last paying sex in the past 12 months	-	26%	19%	20%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	6%	31%	47%	35%
<i>Was a client of sex workers but NOT in the past 12 months</i>	6%	4%	6%	5%
<i>Never been a client of a sex worker</i>	89%	65%	46%	59%
Used a condom during last paid sex in the past 12 months	-	29%	14%	19%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	-	3%	2%	2%
<i>Did not use drugs in the past 12 months</i>	-	4%	4%	3%
<i>Never used drugs</i>	100%	92%	95%	95%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	33%	36%	21%	29%
<i>Never injected drugs</i>	67%	64%	79%	71%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	69%	74%	85%	79%
Having only one faithful uninfected partner	79%	70%	75%	74%
Using condoms reduces the risk for HIV	82%	75%	86%	82%
A person cannot get HIV from mosquitoes	67%	81%	90%	83%
A person cannot get HIV in toilet bowls	69%	89%	93%	88%
Correct on all 5 knowledge questions	32%	39%	52%	44%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	11%
Received free condoms in the past 12 months (SHC, NGO)	20%
Received free lubricants in the past 12 months (SHC, NGO)	3%
SHC reach in the past 12 months	21%
Visited or consulted SHC/CHO in the past 12 months	6%

ACCESS	
Had STI in the past 12 months	-
Accessed SHC STI services in the past 12 months	12%
Condoms are easy to get in the community	44%
Buys own condom	16%
Last HIV test was in SHC	50%

ATTITUDE	
Feels at risk for HIV	42%
Knows where to get tested for HIV	41%
Ever tested for HIV	11%
% of MSM who had an HIV test in the past 12 months and got results	4%
% who got results of those who had an HIV test in the past 12 months	91%
Knows SHC has male STI services	23%
Comfortable to go to SHC for HIV Testing	39%
Comfortable to go to SHC for STI Consultation	34%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	34%
Feels no need to get tested	41%
Don't know where to get tested	17%
Testing facility too far	-
No money for testing	5%
Other reasons	3%

Prevalence

PREVALENCE	
HIV	0.33%
Syphilis	0.33%

# Quezon City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Registered Female Sex Workers (RFSW)** Born female, 15 years or older, , who had sex in exchange of cash or payment in kind in the past 30 days, and is based in an entertainment establishment registered at the local Social Hygiene Clinic (SHC).

**Freelance Female Sex Workers (FFSW)** , 15 years and older, who had sex in exchange of cash or payment in kind in the past 30 days, and is based in cruising sites such as streets or entertainment establishments not registered at the local SHC.

## Female Sex Workers

### Demographic Profile

	AGE	
	FFSW	RFSW
Total Sample	299	300
Age Range (Median)	16-44 (24)	18-41 (23)
Less than 18 years old	2%	-
18 to 24 years old	50%	62%
25 years and older	47%	38%

	CIVIL STATUS	
	FFSW	RFSW
Single	66%	89%
Married	26%	7%
Separated/Widowed	7%	4%
Presently living with a partner	64%	40%

	EDUCATION	
	FFSW	RFSW
No grade completed	1%	1%
Elementary	13%	10%
High School	78%	55%
Vocational/ College/ Post Graduate	7%	34%

	OTHERS	
	FFSW	RFSW
With Children	77%	53%
Student	1%	9%
New resident of the city	7%	17%

### Work Profile

WORK PROFILE	
FFSW only	39%
RFSW Only	46%
FFSW who works in an establishment	10%
RFSW who works in cruising sites	4%

	NUMBER OF TIMES IN A YEAR	
	FFSW	RFSW
All throughout the year	58%	48%
Selected times of the year	38%	20%
As the need arose	4%	32%
Number of times worked as a sex worker in the past week (mean)	1-7 (5)	1-7 (4)

### Sexual Behavior

	AGE PROFILE (range, median)	
	FFSW	RFSW
Age of first sex	12-27 (17)	9-34 (18)
Age first accepted payment for sex	12-40 (20)	14-36 (20)
Age of first condom use	14-41 (19)	14-36 (19)

	NUMBER OF MALE SEX PARTNERS (range, mean)	
	FFSW	RFSW
Clients (past month)	1-36 (14)	1-90 (15)
Returning client (past month)	1-14 (3)	1-40 (5)
Permanent non-paying partner (past month)	1-29 (1)	1-9 (1)

Sex worker Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Brings a condom during sex work	-	-	18%	22%	20%	11%	18%	17%
Condom use last sex with client	29%	-	65%	95%	68%	97%	65%	96%
Number of sex acts with returning client in a month	4-15 (7)	-	1-12 (4)	1-24 (3)	1-12 (4)	1-12 (3)	1-15 (4)	1-24 (3)



REASON FOR NOT USING A CONDOM		
	FFSW	RFSW
Condom not available	9%	-
Cannot afford to buy condoms	-	-
Partner objected	40%	40%
Do not know how to use condom	-	10%
Doesn't like condom	47%	30%
Not necessary	5%	-
Forgot to use a condom	-	-
Other responses	-	20%

Non-paying Behavior	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Had sex with a non-paying partner (past 12 months)	57%	-	79%	62%	76%	62%	77%	62%
<i>Did not have sex with a non-paying partner (past 12 months)</i>	43%	-	21%	37%	24%	38%	23%	38%
<i>No response</i>	0%	-	0%	1%	0%	0%	0%	<1%

Condom use last sex with non-paying partner	20%	-	31%	21%	32%	19%	31%	20%
Number of sex acts with permanent partner in a month (mean)	4-19 (9)	-	1-30 (7)	1-30 (8)	1-30 (8)	1-31 (7)	1-30 (8)	1-31 (8)

**Drug use**

Drug Use	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Used drugs in the past 12 months	-	-	10%	14%	18%	8%	14%	12%
<i>Did not use drugs in the past 12 months</i>	0%	-	5%	9%	6%	12%	5%	10%
<i>Never used drugs</i>	100%	-	85%	77%	75%	80%	81%	78%

Injected drugs in the past 12 months	-	-	-	-	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	-	-	8%	3%	3%	10%	5%	5%
<i>Never injected drugs</i>	-	-	92%	98%	97%	90%	95%	95%

**Knowledge**

Correctly answered knowledge questions	15 to 17		18 to 24		25 and older		Total	
	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW	FFSW	RFSW
Healthy looking person can have HIV	100%	-	93%	90%	94%	93%	94%	91%
Having only one faithful uninfected partner	100%	-	89%	84%	90%	86%	90%	85%
Using condoms reduces the risk for HIV	100%	-	89%	89%	94%	95%	92%	91%
A person can get HIV from mosquitoes	100%	-	74%	66%	65%	72%	70%	68%
A person can get HIV in toilet bowls	71%	-	59%	60%	59%	84%	59%	69%
Correct on all 5 knowledge questions	67%	-	44%	34%	41%	52%	43%	41%

HIV  
Intervention

EXPOSURE		
	FFSW	RFSW
Attended HIV Seminar in the past 12 months (SHC,NGO)	65%	70%
Received free condoms in the past 12 months (SHC,NGO)	72%	88%
Approached to talk about IDU past 12 months	49%	71%
SHC reach in the past 12 months	75%	93%
Visited or consulted SHC/CHO in the past 12 months	12%	67%

ACCESS		
	FFSW	RFSW
Recently with STI (past 12 months)	16%	13%
Accessed SHC STI services (past 12 months)	44%	87%
Had vaginal smear at the SHC (past 12 months)	18%	89%
Condoms are easy to get in the community	91%	95%
Buys own condom	75%	68%
Last HIV test was in SHC	78%	75%

ATTITUDE		
	FFSW	RFSW
Feels at risk for HIV	88%	60%
Knows where to get tested for HIV	81%	68%
Ever tested for HIV	29%	61%
% of FSW who had an HIV test in the past 12 months and got results	12%	34%
% who got results of those who had an HIV test in the past 12 months	65%	73%

Prevalence

PREVALENCE		
	FFSW	RFSW
HIV	0.34%	0.33%
Syphilis	0.00%	0.00%

# Quezon City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Males who have sex with Males** Born male, 15 years or older, who reported oral or anal sex with another male in the past 12 months

### Males who have sex with males

#### Demographic Profile

AGE	
Total Sample	306
Age Range (Median)	15-55 (24)
15 to 17 years old	9%
18 to 24 years old	46%
25 years and older	44%

EDUCATION	
No grade completed	1%
Elementary	9%
High School	56%
Vocational/ College/ Post Graduate	35%

CIVIL STATUS	
Single	93%
Married	7%
Separated/Widower	1%

Presently living with a partner	19%
---------------------------------	-----

OTHERS	
With Children	13%
Student	11%
New resident of the city	7%
Member of a social networking website	36%

#### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	4-30 (16)
Age of first sex with another male	4-40 (17)
Age first accepted payment for sex	6-35 (18)
Age first bought sex	14-35 (20)
Age of first condom use	6-34 (19)

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying male partner (past 12 months)	1-150 (11)
Non-paying male partner (past month)	1-20 (3)
One time sex partner (past month)	1-20 (2)
More than one time sex partner (past month)	1-15 (2)
Clients (past 12 months)	1-30 (5)
Clients (past month)	1-10 (3)
Sex workers (past 12 months)	1-80 (5)
Sex workers (past month)	1-15 (3)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Oral sex only	34%	21%	23%	23%
Anal receiver only	45%	17%	10%	16%
Anal inserter only	14%	26%	19%	22%
Both anal receiver and inserter	7%	36%	49%	39%

Had anal sex in the past 12 months	66%	70%	68%	69%
Have had anal sex but <b>NOT</b> in the past 12 months	3%	8%	11%	9%
Never had anal sex	31%	22%	21%	23%

Used a condom during last anal sex in the past 12 months	16%	26%	33%	28%
Reason for not using a condom during last anal sex				
Condom not available	35%	37%	40%	38%
Cannot afford to buy condoms	6%	-	1%	1%
Partner objected	6%	10%	11%	10%
Do not know how to use condom	12%	7%	10%	9%
Doesn't like condom	24%	30%	19%	25%
Not necessary	12%	6%	7%	7%
Forgot to use a condom	-	4%	3%	3%
Other responses	6%	6%	9%	7%



Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	14%	10%	19%	14%

Number of sex acts in a month with more than one time sex partner (mean)	1-10 (3)	1-15 (3)	1-30 (3)	1-30 (3)
--	----------	----------	----------	----------

Participated in an orgy in the past 12 months	10%	13%	15%	14%
<i>Did not participate in an orgy in the past 12 months</i>	3%	10%	12%	10%
<i>No response</i>	86%	77%	72%	76%

Bisexual Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a female in the past 12 months	24%	25%	24%	24%
<i>Did not have sex with a female in the past 12 months</i>	-	18%	24%	19%
<i>No response</i>	76%	57%	52%	57%
Used a condom during last vaginal sex in the past 12 months	-	29%	21%	23%

Sex worker Behavior	15 to 17	18 to 24	25 & older	Total
Accepted cash for sex in the past 12 months	39%	48%	34%	41%
<i>Accepted cash for sex but NOT in the past 12 months</i>	4%	1%	2%	2%
<i>Never accepted cash for sex</i>	57%	51%	63%	57%
Used a condom during last paying sex in the past 12 months	-	29%	64%	41%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	7%	13%	32%	21%
<i>Was a client of sex workers but NOT in the past 12 months</i>	7%	7%	12%	9%
<i>Never been a client of a sex worker</i>	86%	80%	56%	70%
Used a condom during last paid sex in the past 12 months	-	-	25%	17%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	14%	15%	11%	13%
<i>Did not use drugs in the past 12 months</i>	7%	3%	13%	8%
<i>Never used drugs</i>	79%	82%	76%	79%

Injected drugs in the past 12 months	-	-	-	-
<i>Did not inject drugs in the past 12 months</i>	33%	16%	6%	13%
<i>Never injected drugs</i>	67%	86%	94%	87%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	66%	86%	91%	86%
Having only one faithful uninfected partner	86%	84%	89%	87%
Using condoms reduces the risk for HIV	89%	90%	92%	91%
A person cannot get HIV from mosquitoes	62%	61%	66%	63%
A person cannot get HIV in toilet bowls	59%	68%	75%	70%
Correct on all 5 knowledge questions	25%	40%	44%	41%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	26%
Received free condoms in the past 12 months (SHC, NGO)	37%
Received free lubricants in the past 12 months (SHC, NGO)	4%
SHC reach in the past 12 months	35%
Visited or consulted SHC/CHO in the past 12 months	6%

ACCESS	
Had STI in the past 12 months	6%
Accessed SHC STI services in the past 12 months	13%
Condoms are easy to get in the community	59%
Buys own condom	42%
Last HIV test was in SHC	53%

ATTITUDE	
Feels at risk for HIV	72%
Knows where to get tested for HIV	31%
Ever tested for HIV	21%
% of MSM who had an HIV test in the past 12 months and got results	11%
% who got results of those who had an HIV test in the past 12 months	72%
Knows SHC has male STI services	30%
Comfortable to go to SHC for HIV Testing	69%
Comfortable to go to SHC for STI Consultation	68%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	15%
Feels no need to get tested	28%
Don't know where to get tested	47%
Testing facility too far	-
No money for testing	3%
Other reasons	7%

Prevalence

PREVALENCE	
HIV	5.56%
Syphilis	2.94%

# Quezon City

## 2011 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE FACTSHEETS

### Inclusion Criteria:

**Male Entertainment Establishment Workers (MEW)** Born male, 15 years or older, who work in an entertainment establishment and who had sex with a female or another male in exchange for cash or payment in kind, in the **past 3 months**.

## Males Entertainment Establishment Workers

### Demographic Profile

AGE	
Total Sample	300
Age Range (Median)	17-37 (23)
15 to 17 years old	<1%
18 to 24 years old	63%
25 years and older	37%

EDUCATION	
No grade completed	<1%
Elementary	16%
High School	71%
Vocational/ College/ Post Graduate	13%

CIVIL STATUS	
Single	80%
Married	18%
Separated/Widower	2%

Presently living with a partner	56%
---------------------------------	-----

OTHERS	
With Children	61%
Student	5%
New resident of the city	19%

### Sexual Behavior

AGE PROFILE (range, median)	
Age of first sex	5-25 (16)
Age of first sex with another male	10-25 (16)
Age first accepted payment for sex	11-35 (19)
Age first bought sex	15-28 (20)
Age of first condom use	11-32 (19)

NUMBER OF TIMES IN A YEAR	
All throughout the year	32%
Selected times of the year	20%
As need arose only	48%

NUMBER OF MALE SEX PARTNERS (range, mean)	
Non-paying female partner (past 12 months)	1-51 (6)
Non-paying male partner (past 12 months)	1-90 (13)
Female paying partner/ clients (past month)	1-10 (2)
Male paying partner/ clients (past month)	1-45 (9)
Female paid partner/ sex worker (past 12 months)	1-20 (4)
Male paid partner/ sex worker (past 12 months)	2-100 (21)

Type of Sex and Condom Use	15 to 17	18 to 24	25 & older	Total
Brings a condom during the interview	-	63%	60%	62%

Used a condom during last sex with a <b>MALE</b> client	-	88%	86%	87%
Used a condom during last sex with a <b>FEMALE</b> client	-	57%	53%	56%

Number of times worked as a male who accepts payment for sex in the past 30 days (mean)	1-30 (10)
---	-----------

Non- paying Behavior	15 to 17	18 to 24	25 & older	Total
Had sex with a non-paying <b>FEMALE</b> partner in the past 12 months	100%	79%	84%	81%
<i>Did not have sex with a non-paying <b>FEMALE</b> partner in the past 12 months</i>	-	14%	10%	13%
<i>Never had sex with a non-paying <b>FEMALE</b> partner</i>	-	7%	6%	6%
Used a condom during last sex with a non-paying <b>FEMALE</b> partner in the past 12 months	-	24%	20%	22%

Had sex with a non-paying <b>MALE</b> partner in the past 12 months	-	6%	5%	6%
<i>Did not have sex with a non-paying <b>MALE</b> partner in the past 12 months</i>	-	14%	11%	13%
<i>Never had sex with a non-paying <b>MALE</b> partner</i>	100%	80%	84%	82%
Used a condom during last sex with a non-paying <b>MALE</b> partner in the past 12 months	-	88%	40%	69%

Client Behavior	15 to 17	18 to 24	25 & older	Total
Was a client of sex workers in the past 12 months	-	8%	10%	9%
<i>Was a client of sex workers but <b>NOT</b> in the past 12 months</i>	-	15%	19%	17%
<i>Never been a client of a sex worker</i>	100%	77%	71%	75%
Used a condom during last anal sex with a paid <b>MALE</b> sex partner in the past 12 months	-	50%	67%	57%
Used a condom during last vaginal sex with a paid <b>FEMALE</b> sex partner in the past 12 months	-	55%	62%	58%

## Drug Use

Drug Use	15 to 17	18 to 24	25 & older	Total
Used drugs in the past 12 months	-	29%	26%	28%
<i>Did not use drugs in the past 12 months</i>	-	14%	25%	18%
<i>Never used drugs</i>	100%	57%	48%	54%
Injected drugs in the past 12 months	-	1%	-	1%
<i>Did not inject drugs in the past 12 months</i>	-	1%	4%	2%
<i>Never injected drugs</i>	-	98%	96%	97%

## Knowledge

Correctly answered knowledge questions	15 to 17	18 to 24	25 & older	Total
Healthy looking person can have HIV	-	85%	87%	86%
Having only one faithful uninfected partner	-	73%	78%	74%
Using condoms reduces the risk for HIV	100%	88%	96%	91%
A person cannot get HIV from mosquitoes	-	60%	54%	57%
A person cannot get HIV in toilet bowls	100%	67%	71%	69%
Correct on all 5 knowledge questions	-	30%	32%	31%

## HIV Intervention

EXPOSURE	
Attended HIV Seminar in the past 12 months (SHC, NGO)	60%
Received free condoms in the past 12 months (SHC, NGO)	87%
SHC reach in the past 12 months	90%
Visited or consulted SHC/CHO in the past 12 months	89%

ACCESS	
Had STI in the past 12 months	20%
Accessed SHC STI services in the past 12 months	91%
Condoms are easy to get in the community	89%
Buys own condom	53%
Last HIV test was in SHC	87%

ATTITUDE	
Feels at risk for HIV	73%
Knows where to get tested for HIV	81%
Ever tested for HIV	57%
% of MEW who had an HIV test in the past 12 months and got results	37%
% who got results of those who had an HIV test in the past 12 months	77%
Knows SHC has male STI services	89%
Comfortable to go to SHC for HIV Testing	96%
Comfortable to go to SHC for STI Consultation	97%

REASON FOR NOT GETTING AN HIV TEST	
Afraid to get tested	14%
Feels no need to get tested	41%
Don't know where to get tested	17%
Testing facility too far	1%
No money for testing	1%
Other reasons	26%

## Prevalence

PREVALENCE	
HIV	0.00%
Syphilis	0.00%

**IHBSS RESULTS**  
**SECTION 3: GARPR AND GLOBAL FUND REPORTING**

**2012 GLOBAL AIDS RESPONSE PROGRESS REPORT (GARPR) - PHILIPPINES**

*Note: Tables 6, 7 and 8 are indicators submitted to the Philippine National AIDS Council which is the lead agency for GARPR country reporting. Data in these tables were submitted for the GARPR online report and also used for the summary table of the GARPR country narrative.*

**Table 6. National GARPR Indicators for Males who have Sex with Males**

<b>MSM</b>	<b>TOTAL</b>	<b>&lt;25</b>	<b>25+</b>
Percentage of MSM who answered "Yes" to both questions			
Percentage	23	20	27
Numerator	1209	657	552
Denominator	5319	3271	2048
Percentage of MSM who answered "Yes" to question 1, "Do you know where you can go if you wish to receive an HIV test?"			
Percentage	50	46	58
Numerator	2628	1465	1163
Denominator	5205	3207	1998
Percentage of MSM who answered "Yes" to question 2, "in the last 12 months, have you been given condoms?"			
Percentage	31	28	35
Numerator	1626	916	710
Denominator	5289	3249	2040
Percentage of men reporting the use of a condom the last time they had sex with a male partner			
Percentage	36	34	40
Numerator	1102	618	484
Denominator	3037	1836	1201
Percentage of MSM who received an HIV test in the last 12 months and who know the results			
Percentage	5	4	7
Numerator	274	123	151
Denominator	5297	3255	2042
Prevalence			
Percentage	1.68	1.46	2.03
Numerator	90	48	42
Denominator	5353	3288	2065

**Table 7. National GARPR Indicators for Sex Workers**

SW	TOTAL	Males	Females	<25	25+
Percentage of sex workers who answered "Yes" to both questions					
Percentage	63	79	63	60	68
Numerator	4987	219	4768	2655	2332
Denominator	7902	277	7625	4457	3445
Percentage of sex workers who answered "Yes" to question 1, "Do you know where you can go if you wish to receive an HIV test?"					
Percentage	71	81	71	67	76
Numerator	6768	241	6527	3718	3050
Denominator	9544	297	9247	5526	4018
Percentage of sex workers who answered "Yes" to question 2, " in the last 12 months, have you been given condoms?"					
Percentage	64	87	63	61	68
Numerator	6300	262	6038	3486	2814
Denominator	9834	300	9534	5704	4130
Percentage of female and male sex workers reporting the use of a condom with their most recent client					
Percentage	65	84	64	65	66
Numerator	6331	213	6118	3645	2686
Denominator	9750	255	9495	5651	4099
Percentage of male sex workers reporting the use of a condom with their most recent client (Male clients of Male Sex Workers)					
Percentage	87	87	n/a	88	86
Numerator	192	192		120	72
Denominator	221	221		137	84
Percentage of female sex workers reporting the use of a condom with their most recent client (Female clients of Male Sex Workers)					
Percentage	56	56	n/a	57	53
Numerator	55	55		39	16
Denominator	98	98		68	30
Percentage of Sex Workers who received an HIV test in the last 12 months and who know the results					
Percentage	17	37	16	14	19
Numerator	1609	111	1498	818	791
Denominator	9732	300	9432	5646	4086
Prevalence (FSW and MEW)					
Percentage	0.27	0.00	0.27	0.23	0.32
Numerator	26	0	26	13	13
Denominator	9797	263	9534	5679	4118
Prevalence (FFSW)					
Percentage	0.43	n/a	0.43	0.37	0.52
Numerator	20		20	10	10
Denominator	4603		4603	2690	1913
Prevalence (RFSW)					
Percentage	0.12	n/a	0.12	0.11	0.14
Numerator	6		6	3	3
Denominator	4931		4931	2824	2107

**Table 8. National GARPR Indicators for Injecting Drug Users**

IDU	TOTAL	Males	Females	<25	25+
Percentage of IDUs reporting the use of a condom the last time they had sex (composite consistent condom use)					
Percentage	15	14	24	16	13
Numerator	114	104	10	66	48
Denominator	760	719	41	402	358
Percentage of IDUs reporting the use of a condom the last time they had sex (as client)					
Percentage	45	45	0	34	52
Numerator	43	43	0	12	31
Denominator	95	95	0	35	60
Percentage of IDUs reporting the use of a condom the last time they had sex (as sex worker)					
Percentage	37	26	94	33	46
Numerator	37	22	15	24	13
Denominator	101	85	16	73	28
Percentage of IDUs reporting the use of a condom the last time they had sex (as non-paying partner)					
Percentage	18	18	23	20	17
Numerator	125	116	9	69	56
Denominator	684	645	39	353	331
Percentage of IDUs who reported using sterile injecting equipment the last time they injected (Clean needle source and did not share needles during last injection)					
Percentage	25	24	37	22	28
Numerator	162	148	14	79	83
Denominator	655	617	38	361	294
Percentage of IDUs who reported using sterile injecting equipment the last time they injected (Did not share needles during last injection)					
Percentage	58	58	61	55	62
Numerator	380	357	23	197	183
Denominator	655	617	38	361	294
Percentage of IDUs who reported using sterile injecting equipment the last time they injected (Clean needle source during last injection)					
Percentage	38	38	50	36	41
Numerator	253	234	19	131	122
Denominator	659	621	38	363	296
Percentage of IDUs who received an HIV test in the last 12 months and who know the results					
Percentage	5	4	13	2	8
Numerator	61	53	8	13	48
Denominator	1278	1215	63	712	566
Prevalence					
Percentage	13.56	12.87	26.98	9.50	18.69
Numerator	174	157	17	68	106
Denominator	1283	1220	63	716	567

## GLOBAL FUND ROUND 6 – HIV IMPACT/OUTCOME INDICATORS

Note: Some Global Fund Round 6 impact and outcome indicators are not the same as the Global AIDS Response Progress Report indicators.

**Table 9. Global Fund Round 6 Impact and Outcome Indicators**

Impact / Outcome	Indicator Description	Baseline (if applicable)		Year of Target	Intended Target	Report Due Date	Actual Result
		Value	Year				
Impact	Percentage of most-at-risk population(s) (sex workers, clients of sex workers, men who have sex with men, injecting drug users) who are HIV infected	0.14%	2005	2009 & 2011	<1%	2010 & 2012	0.47% (2009) 1.66% (2011)
Outcome	Percentage of female sex workers reporting the use of a condom with every client in the last month.	40% RFSW, 25% FLSW	2004	2009 & 2011	Yr 2: 70% RFSW, 45% FLSW,  Yr 4: 80% RFSW, 65% FLSW	2010 & 2012	57% (2009, RFSW) 39% (2009, FFSW)  56% (2011, RFSW) 40% (2011, FFSW)
Outcome	Percentage of men reporting the use of condom the last time they had anal sex with male partner in the last 6 months.	32%	2007	2009 & 2011	Yr. 2: 30% Yr. 4: 65%	2010 & 2012	33% (2009) 36% (2011)
Outcome	Percentage of injecting drug users who have adopted behaviors that reduce transmission of HIV	48%	2007	2011	65%	2012	33% (2009)* 42% (2011)* <i>*Did not share needles during last injection</i>  14% (2009)** 21% (2011)** <i>** Clean needle source and did not share during last injection</i>



## **IHBSS RESULTS**

### **SECTION 4: IN-DEPTH ANALYSIS OF MSM INDICATORS**

This section contains a copy of the in-depth analysis of the 2011 IHBSS MSM indicators. Specifically, it includes an analytical framework for the socio-demographic profile, determinants of risky behaviors, as well as HIV and syphilis prevalence among MSM respondents.

The write up begins in the next page.

In-depth Analysis of 2011  
Integrated HIV Behavioral and Serologic  
Surveillance  
*Males Having Sex with Males*

Final Report



Submitted to the National Epidemiology Center, Department of Health, Philippines  
and the  
United Nations Development Programme

Gilbert O. Madriaga, MSPH Biostat (cand.)  
January 2013

## TABLE OF CONTENTS

LIST OF FIGURES, TABLES AND ANNEXES	2
EXECUTIVE SUMMARY	3
INTRODUCTION	5
SCOPE OF WORK	6
OBJECTIVES	6
ANALYSIS FRAMEWORK	9
DEFINITIONS	10
STATISTICAL METHODS	11
RESULTS	13
FACTORS ASSOCIATED WITH HIV INFECTION AMONG MSM	16
FACTORS ASSOCIATED WITH CONDOM USE AMONG MSM	19
FACTORS ASSOCIATED WITH ACCESS TO SOCIAL HYGIENE CLINICS	21
FACTORS ASSOCIATED WITH PREVIOUS HIV TEST	22
FACTORS ASSOCIATED WITH MULTIPLE SEX PARTNERS	24
LIMITATIONS	25
RECOMMENDATIONS	28
REFERENCES	29
ANNEXES	30
Annex A. Simple Logistic Regression of Factors Associated with HIV Infection among MSM in the Philippines, 2011	
Annex B. Simple Logistic Regression of Factors Associated with Use of Condoms among MSM in the Philippines, 2011	39
Annex C. Simple Logistic Regression of Factors Associated with Access to Social Hygiene Clinics among MSM in the Philippines, 2011	47
Annex D. Simple Logistic Regression of Factors Associated with HIV Testing among MSM in the Philippines, 2011	56
Annex E. Simple Logistic Regression of Factors Associated with Multiple Male Sex Partners among MSM in the Philippines, 2011	67

## LIST OF FIGURES, TABLES AND ANNEXES

### Figure

Figure 1. Analysis Framework of the Philippine IHBSS 2011

### Tables

Table 1. Definitions

Table 2. Number of Explanatory Variables

Table 3. Demographic Characteristics

Table 4. Surveillance Sites

Table 5. Frequency and Percentages of Outcome Variables

Table 6. Factors Associated with HIV Infection Among MSM, 2011 IHBSS, Philippines

Table 7. Factors Associated with HIV Infection Among MSM from Cities with  $\geq 2\%$  HIV Infection Prevalence Rate, 2011 IHBSS, Philippines

Table 8. Factors Associated with HIV Infection Among MSM from Cities with  $< 2\%$  HIV Infection Prevalence Rate, 2011 IHBSS, Philippines

Table 9. Factors Associated with Condom Use among MSM, 2011 IHBSS, Philippines

Table 10. Factors Associated with Access to Social Hygiene Clinics, 2011 IHBSS, Philippines

Table 11. Factors Associated with Previous HIV Test, Philippines, 2011 IHBSS

Table 12. Factors Associated with Multiple Sex Partners, Philippines, 2011 IHBSS

### Annexes

Annex A. Simple Logistic Regression of Factors Associated with HIV Infection among MSM in the Philippines, 2011

Annex B. Simple Logistic Regression of Factors Associated with Use of Condoms among MSM in the Philippines, 2011

Annex C. Simple Logistic Regression of Factors Associated with Access to Social Hygiene Clinics among MSM in the Philippines, 2011

Annex D. Simple Logistic Regression of Factors Associated with HIV Testing among MSM in the Philippines, 2011

Annex E. Simple Logistic Regression of Factors Associated with Multiple Male Sex Partners among MSM in the Philippines, 2011

## EXECUTIVE SUMMARY

The incidence rate of HIV in the Philippines has been observed to increase rapidly in the last 5 years and the most common mode of transmission is through men who have sex with men transmission (NEC-DOH, 2012). Identifying factors associated with HIV infection among MSM, use of condom during anal sex, access to social hygiene clinics, voluntary HIV testing, and multiple male sex partners are important to strengthen strategies and interventions to control the spread of HIV in this most at risk population (Liu et al., 2012).

The objective of this study is to determine factors associated with HIV infection, use of condoms during anal sex, access to social hygiene clinics, previous HIV testing, and multiple sex partners among MSM in the Philippines. Data from 2011 Integrated HIV Behavioral and Serologic Surveillance (IHBSS) was utilized.

A total of 6,107 respondents of the 2011 IHBSS were included in this analysis. All 23 surveillance sites in the 2011 IHBSS were incorporated in the analysis, including 5 Global Fund sites which were not included in previous IHBSS. These cities are as follows: Batangas, Daraga, Tacloban, San Fernando, La Union, and Surigao. Although time location sampling was used in the 2011 IHBSS, sampling weights were not used since this analysis aims to uncover associations or relationships between variables. Unweighted estimators are more appropriate to be used in this case because they are more consistent and more efficient as compared to weighted estimators (Wooldridge, 2002 as cited in O'Donnel, et al., 2008).

The odds of having HIV infection among MSM who are members of any male or MSM social networking website is 2.77 times higher as compared to the odds of having HIV infection among MSM who were not members of the any male or MSM social networking website, with all variables held constant. MSM who had paid sex with a female in the last 12 months are 3.4 times more likely to have HIV as compared to MSM who did not engage in paid sex in the last 12 months. The adjusted odds ratio (AOR) of having HIV infection among those who have experienced being an anal receiver during anal sex with a male is 3.30. The AOR of having HIV infection among those who have been tested for HIV previously is 3.60.

MSM who reside in NCR (Caloocan, Makati, Mandaluyong, Manila, Marikina, Pasig, Pasay and Quezon City) (OR: 1.16), received free condoms from SHC/ CHO (OR: 1.45) and visited or consulted hospital for possible STI (OR: 1.45) are some factors associated with condom use during anal sex. Other factors associated with condom use during anal sex include the correct knowledge of the following information: what HIV is (OR: 1.46); a healthy looking person can have HIV (OR:1.30); condoms can reduce the risk of HIV transmission(OR:1.79); having sex with one uninfected partner reduces HIV infection risk (OR:1.61). Those who believe that HIV is transmitted through food sharing (OR:0.76) and those who feel that he is at risk of having HIV infection (OR:0.81) and are less likely to use condoms as compared to the use of condoms among those who know that HIV is not transmitted through food sharing and those who feel that they are not at risk of having HIV infection.

MSM who are from the NCR are less likely to access social hygiene clinics as compared to those from areas outside the region (OR: 0.56). Those who attended a seminar or meeting or discussion conducted by SHC/CHO (OR: 7.82), those who are comfortable to go to SHC for HIV testing (OR: 6.19) and those who experienced unusual genital discharge (OR: 3.54) are other factors associated with access to social hygiene clinics.

MSM who attended a seminar, meeting or discussion conducted by the SHC/ CHO about prevention of STI and HIV (OR: 2.18), received free condoms from the SHC/ CHO (OR: 2.60) and visited or consulted a hospital for possible STI (OR: 1.78) are more likely to have previous HIV tests as compared to those who did not experience these events. MSM who reside in the cities with  $\geq 2\%$  HIV infection prevalence rate (Angeles, Cebu, Davao, Batangas, Manila, Pasay and Quezon City) are more likely to have previous HIV tests as compared to those from other areas (OR: 1.46). Those who are younger ( $< 18$  years, OR: 0.29; 18 to 24 years, OR: 0.56) are less likely to have previous HIV test as compared to those who are 25 years and older. Those who worked outside the Philippines in the last 5 years (OR:1.98), experienced being an oral receiver (OR:1.42) and used lubricant during last anal sex with a male (OR:1.29) are all associated with previous HIV testing.

The odds of having multiple male sex partners among those who reside in cities with  $\geq 2\%$  HIV infection prevalence rate (Angeles, Cebu, Davao, Batangas, Manila, Pasay and Quezon City) and joined any male or social networking websites are 1.33 and 1.71 more than the odds of having multiple male sex partners among those who reside in other areas with less than two percent HIV infection prevalence rate and those who did not join any male or social networking websites. MSM who currently live with a partner is 0.51 times less likely to have multiple sex partners as compared to those who do not live with a partner.

## **INTRODUCTION**

The incidence rate of HIV in the Philippines has been observed to increase rapidly in the last 5 years, most notably through men who have sex with men transmission (Salvana, 2010). From 1984 to 2012, 11,702 HIV Ab seropositive cases were reported to the Philippine HIV and AIDS Registry of the National Epidemiology Center of the Department of Health (DOH-NEC, 2012). From 1984 to 2006, 55% of those with HIV were infected through heterosexual contact. However, starting 2007, the predominant mode of transmission shifted from heterosexual contact (20%) to homosexual contact (85%) (NEC-DOH, 2012).

Identifying factors associated with HIV infection among MSM is important to strengthen strategies and interventions to control the spread of HIV in this most at risk population (Liu et al., 2012). Likewise, factors associated with voluntary counselling and testing among MSM are important to reduce the impact of HIV infection in the country (Conserve, et al., 2012). Factors associated with practices and behaviors such as use of condoms and number of sexual partners is also important to be determined to focus public health programs (Essien, 2006).

In order to strengthen strategies for behavior change among this population, there is an impending need to improve the understanding about socio-demographic characteristics and the knowledge, attitudes and behaviors of this most at risk population.

## SCOPE OF WORK

Through the direct supervision of the NEC-DOH Surveillance Manager and the UNDP Programme Officer on HIV and AIDS, with guidance of the members of the Joint Programme M&E Working Group (PNAC Secretariat M&E Officer, UNAIDS M&E Adviser, and selected UN focal persons), the data analyst/statistician will perform the following tasks:

1. Developing an analytical framework which will include but not limited to:
  - Socio-economic-demographics profile of MSM as sampled in the 2011 IHBSS
  - Predictors or determinants of risky behaviors
    - Socio-demographic characteristics
    - Exposure to HIV interventions or services
    - Knowledge and attitudes including those geared towards behavior change
    - Behavior or practice
  - Prevalence of HIV and Syphilis among MSM
2. Developing an annotated report outline
3. Conducting data processing and analysis of 2011 IHBSS data

## OBJECTIVES

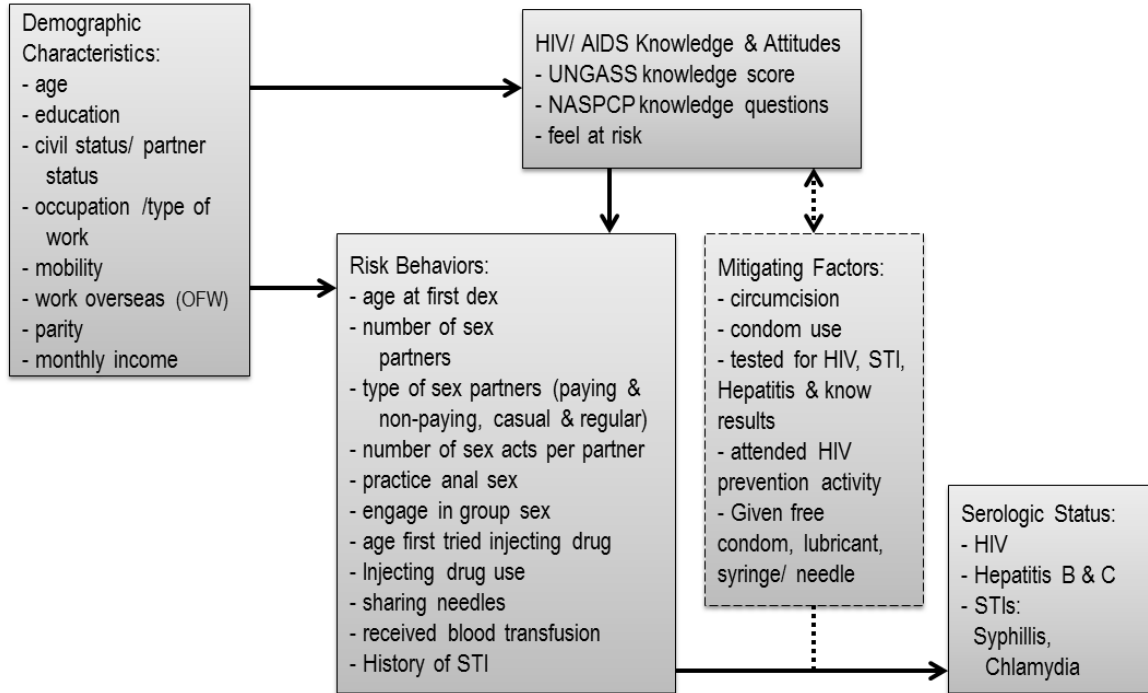
1. To identify factors associated with HIV infection among MSM in the Philippines
  - a. To determine the proportion of MSM with HIV for each identified possible risk factors, which include the following:
    - i. Socio-demographic characteristics
    - ii. Exposure to HIV interventions or services
    - iii. Knowledge about HIV
    - iv. Attitudes geared towards behavior change
    - v. Practices or behaviors
    - vi. Syphilis infection
2. To identify factors influencing condom use during anal sex among MSM in the Philippines
  - a. To determine the proportion of MSM who use condoms during anal sex for each identified possible factors, which include the following:
    - i. Socio-demographic characteristics
    - ii. Exposure to HIV interventions or services
    - iii. Knowledge about HIV
    - iv. Attitudes geared towards behavior change
    - v. Practices or behaviors
    - vi. Syphilis infection
3. To identify factors influencing access to social hygiene clinics (SHC)
  - a. To determine the proportion of MSM who access social hygiene clinics for each identified possible factors, which include the following:
    - i. Socio-demographic characteristics
    - ii. Exposure to HIV interventions or services
    - iii. Knowledge about HIV
    - iv. Attitudes geared towards behavior change
    - v. Practices or behaviors
    - vi. Syphilis infection



4. To identify factors influencing HIV testing
  - a. To determine the proportion of MSM who underwent HIV testing for each identified possible factor, which include the following:
    - i. Socio-demographic characteristics
    - ii. Exposure to HIV interventions or services
    - iii. Knowledge about HIV
    - iv. Attitudes geared towards behavior change
    - v. Practices or behaviors
    - vi. Syphilis infection
  
5. To identify factors influencing multiple male sex partners
  - a. To determine the proportion of MSM who have multiple male sex partners for each identified possible factor, which include the following:
    - i. Socio-demographic characteristics
    - ii. Exposure to HIV interventions or services
    - iii. Knowledge about HIV
    - iv. Attitudes geared towards behavior change
    - v. Practices or behaviors
    - vi. Syphilis infection

## ANALYSIS FRAMEWORK

The data analysis is based on the analysis framework and analysis recommendations by the Technical Analysis Synthesis Core Group and the Technical Working Group of NEC-DOH.



**Figure 1 Analysis Framework of Philippine IHBSS 2011 [ from the “Protocol for the Philippine Integrated HIV Behavioral and Serologic Surveillance (Philippine IHBSS 2011)” ].**

## DEFINITIONS

Table 1 presents the definitions of MSM and outcome variables used in this paper. For definition of explanatory variables, refer to Appendix A - E.

**Table 1. Definitions**

	Definition
<b>Males having sex with males (MSM)</b>	Born male, $\geq 15$ years old, who reported that they engaged in oral or anal sex with another male in the past 12 months (NEC-DOH, n.d.),
<b>HIV status</b>	Tested for HIV infection through the 2011 IHBSS; dichotomous variable: HIV seropositive and HIV seronegative
<b>Condom use</b>	Use of condom during last anal sex with a male in the past 12 months; dichotomous variable: used condom and did not use condom
<b>Access to Social Hygiene Clinics</b>	Accessed Social Hygiene Clinic/ STI Services in the past 12 months; dichotomous variable: accessed SHC/ STI services and did not access SHC/ STI services
<b>Previous HIV test</b>	Ever been tested for HIV infection in the past; dichotomous variable: previously tested for HIV infection, never been tested for HIV infection
<b>Multiple male sex partners</b>	Number of male sex partners in the past 12 months; dichotomous variable: only one male sex partner in the past 12 months and two or more male sexual partners in the past 12 months.

## STATISTICAL METHODS

Descriptive statistics which include frequency and proportions of the outcome variables (HIV status, condom use, access to social hygiene clinics (SHC), previous HIV testing, and multiple male sexual partners) are presented. Univariate and multivariate logistic regression modelling were conducted and unadjusted and adjusted odds ratios and their corresponding 95% confidence intervals are shown. This analysis only includes data from 2011 IHBSS and trend analysis was not conducted. STATA 12.0 was used for data analysis.

Time-location sampling was used to identify MSM participants in the 2011 IHBSS. In this sampling method weighted estimators should be used if the objective is to estimate prevalence in order to adjust for the differences in sample size. If the objective of the data analysis is to uncover causal

relationships, and there is no endogenous selection, then there is no need to apply weights (O'Donnel, et al., 2008). Assuming that there are no endogenous factors in the models in this current analysis, unweighted estimators are more appropriate to be used because they are more consistent and more efficient as compared to weighted estimators (Wooldridge, 2002 as cited in O'Donnel, et al., 2008).

All 23 surveillance sites in the 2011 IHBSS were used in the analysis, including 5 Global Fund sites which were not included in previous IHBSS. These cities are as follows: Batangas, Daraga, Tacloban, San Fernando, La Union, and Surigao. The 5 sites were included since the objective of this current analysis is to determine factors associated with the defined outcome variables and not to estimate prevalence. Therefore, even if the sample taken from each of the 5 Global Fund sites were smaller than the other surveillance sites (Table 4), using weighted estimators may not be necessary for this analysis.

Simple logistic regression of the outcome variables and each explanatory variables were performed in order to determine unadjusted odds ratios and to determine which among the factors will be included in the in the full multiple logistic regression model. The cut-off point of  $p \leq 0.25$  was used in order to inflate alpha, thereby increasing the power of the test. Multiple logistic regression of the outcome variables and possible factors associated with these outcome variables were performed to estimate the magnitude of association (adjusted odds ratio) of outcome and explanatory variables. Forward-stepwise selection was conducted to determine the factors to be included in the final model since there are numerous factors that were identified and possibly associated with the outcome variables (Hastie, et al., 2009). In the forward-stepwise selection approach, the regression model starts with the intercept and variables are sequentially added. For a variable to be included in the final model, the p-value based on Wald's test should be less than or equal to 0.05. All variables initially included in the model may still be excluded if their p-values exceed the cut-off point ( $p > 0.05$ ) when other variables are included in the model. Some variables were omitted due to separation or quasi-separation. Table 2 shows the number of explanatory variables with  $p < 0.25$  based on the simple logistic regression models and the number of explanatory variables retained in the final models based on multiple logistic regression models.

**Table 2. Number of Explanatory Variables**

<b>Outcome variables</b>	<b>No. of explanatory variables with <math>p &lt; 0.25</math></b>	<b>No. of explanatory variables retained in the final models</b>
<b>HIV infection status</b>	41	4
<b>Condom use</b>	63	9
<b>Access to social hygiene clinics</b>	70	4
<b>HIV testing</b>	104	8
<b>Multiple sexual partners</b>	35	3

## RESULTS

A total of 6,107 respondents of the 2011 IHBSS were included in this analysis. The demographic characteristics of the participants of the 2011 IHBSS are presented in Table 3. Majority of the participants (48.98%) are between the ages of 18 to 24. Fifty-four percent are high school graduates and 93.8% are single. Majority (60.88%) of the respondents are from the National Capital Region (Caloocan, Makati, Mandaluyong, Manila, Marikina, Pasig, Pasay and Quezon City ). Thirty two percent of the participants (n=1954) comes from sites with  $\geq 2\%$  HIV prevalence based on the 2011 IHBSS data and these cities are as follows: Angeles, Cebu, Davao, Batangas, Manila, Pasay and Quezon.

**Table 3. Demographic Characteristics (n=6107)**

<b>Demographic Characteristics</b>	<b>n</b>	<b>%</b>
<b>Age</b>		
<18	814	13.33
18 to 24	2,991	48.98
> 25	2,302	37.69
<b>Education</b>		
No grade completed	89	1.46
Elementary	985	16.17
High school	3,294	54.06
College	1,725	28.31
<b>Civil Status</b>		
Single	5,674	93.8
Married	325	5.37
Separated/widowed	50	0.83
<b>Geographic Distribution (NCR and other Sites)</b>		
National Capital Region (Caloocan, Makati, Mandaluyong, Manila, Marikina, Pasig, Pasay and Quezon City)	2389	60.88
Others (outside NCR: Baguio, Cagayan de Oro, Cebu, Davao, General Santos, Iloilo, Zamboanga, Surigao, San Fernando, La Union, Batangas, Daraga, Mandaue, Tacloban, Bacolod)	3718	39.12
<b>Geographic Distribution (Prevalence of HIV)</b>		
Sites with $\geq 2\%$ HIV prevalence	1954	32.00
Sites with $< 2\%$ HIV prevalence	4153	68.00

Each surveillance site accounts for approximately 5% of the total sample size, except for the 5 Global Fund sites included in the 2011 IHBSS (Batangas, Daraga, Tacloban, San Fernando city in La Union, and Surigao), where each of the 5 sites accounts for approximately 2.5% of the total sample size (see Table 4).

**Table 4. Surveillance Sites (n=6107)**

<b>Surveillance sites</b>	<b>N</b>	<b>%</b>
<b>Angeles</b>	300	4.91
<b>Baguio</b>	300	4.91
<b>Cagayan de Oro</b>	261	4.27
<b>Cebu</b>	299	4.90
<b>Davao</b>	300	4.91
<b>General Santos</b>	300	4.91
<b>Iloilo</b>	300	4.91
<b>Zamboanga</b>	300	4.91
<b>Surigao</b>	158	2.59
<b>San Fernando, La Union</b>	150	2.46
<b>Batangas</b>	150	2.46
<b>Daraga</b>	148	2.42
<b>Mandaue</b>	301	4.93
<b>Tacloban</b>	148	2.42
<b>Bacolod</b>	303	4.96
<b>Caloocan</b>	292	4.78
<b>Makati</b>	300	4.91
<b>Mandaluyong</b>	306	5.01
<b>Manila</b>	299	4.90
<b>Marikina</b>	296	4.85
<b>Pasig</b>	290	4.75
<b>Pasay</b>	300	4.91
<b>Quezon</b>	306	5.01

Table 5 presents the frequency and proportions of outcomes used in the in-depth analysis of the 2011 IHBSS data. Out of 6107 participants in the 2011 IHBSS, 1.54% of MSM was tested positive for HIV. 34.76 percent of MSM (n=1295) used a condom during the last time they had anal sex with a male in the past year before the interview. Social hygiene clinics were accessed by 1090 out of the 5990 participants (18.20%) while only 839 out of 6032 (13.91%) was tested for HIV prior to the 2011 surveillance. Majority of the MSM (77.88%) reported that they had multiple male sex partners (2 or more individuals) in the past 12 months prior to the interview.

**Table 5. Frequency and Percentages of Outcome Variables**

<b>Outcomes</b>	<b>n</b>	<b>%</b>
<b>HIV test result</b>		
HIV seropositive	94	1.54
HIV seronegative	6,013	98.46
<b>Condom use during last anal sex with a male in the past 12 months</b>		
Used condom	1295	34.76
Did not use condom	2431	65.24
<b>Accessed Social Hygiene Clinics in the past 12 months</b>		
Accessed	1,090	18.2
Did not access	4,900	81.8
<b>Previous HIV testing</b>		
Had previous HIV test	839	13.91
Did not have previous HIV test	5,193	86.09
<b>Multiple male sexual partners in the past 12 months</b>		
Two or more male sexual partners	4,453	84.55
One male sexual partner	814	15.45

## FACTORS ASSOCIATED WITH HIV INFECTION AMONG MSM

Table 6 presents the factors associated with HIV infection among MSM based on the 2011 IHBSS data. Forty-one variables were considered as possible factors to be included in the final regression model ( $p < 0.25$ ). Among these 41 variables, only 4 were retained upon performing forward-stepwise selection multiple logistic regression analysis.

Socio-demographic characteristics, exposure to HIV interventions or services, knowledge about HIV, attitudes geared towards behavior change, and some practices or behaviors that were included in the full model (with p-values less than 0.25) were sequentially dropped from the final multiple logistic regression based on the cut-off value of  $p \leq 0.05$ , albeit unadjusted odds ratios of some of these factors are statistically significant.

**Table 6. Factors Associated with HIV Infection among MSM, 2011 IHBSS, Philippines**

Factors	N	n, %	UOR	AOR	SE	z	P	95% CI
Member of any male or MSM social networking website	1247	49, 3.93	4.38	2.77	1.34	2.12	0.03	1.08 – 7.14
Had paid sex with a female in the last 12 months	181	4, 2.21	1.44	3.40	1.97	2.11	0.04	1.09 – 10.59
Ever experienced being an anal receiver during anal sex	2927	70, 2.39	3.35	3.30	1.51	2.61	0.01	1.35 – 8.08
Ever been tested for HIV	839	23, 2.74	2.03	3.60	1.64	2.81	0.01	1.47 – 8.78

The odds of having HIV infection among MSM who are members of any male or MSM social networking website is 2.77 times higher (95% CI 1.08 – 7.14) as compared to the odds of having HIV infection among MSM who are not members of the any male or MSM social networking website, with all variables held constant. The percentage of those who have HIV among members of these social networking sites is almost four times higher than the percentage of those who are not members of these websites (3.93% vs 0.93%).

MSM who had paid sex with a female in the last 12 months are 3 times more likely to have HIV as compared to MSM who did not engage in paid sex in the last 12 months (AOR: 3.40; 95%CI: 1.09 – 10.59). 2.21% of those who had paid sex with a female tested positive for HIV while only 0.86% of those who did not engage in paid sex with a female tested positive for HIV.

The adjusted odds ratio of having HIV infection among those who have experienced being an anal receiver during anal sex with a male is 3.30 (95%CI: 1.35 – 8.08) . The AOR of having HIV infection among those who have been tested for HIV previously is 3.60 (95% 1.47 – 8.78). Among those who reported that they underwent HIV testing in the past, 2.74% tested positive for HIV as compared to 1.37% who tested negative for HIV.



The 95% confidence intervals of these factors discussed above are considerably wide and their lower boundaries are almost near the null value 1.0. The wide confidence intervals may be explained by the small number of cases with HIV (n=94) as compared to those without HIV (n=6013). This is also true for the two succeeding regression models.

A separate analysis was conducted among factors associated with HIV infection from sites with  $\geq$  2% HIV Infection prevalence rate (n=1954). These sites include the following cities: Angeles, Cebu, Davao, Batangas, Manila, Pasay and Quezon (Table7). Another analysis was then performed to determine the factors associated with HIV infection from sites with less than 2% HIV prevalence rate (n=4153) (Table 8). Only 2 variables were retained in the final regression model upon performing stepwise logistic regression in sites with  $\geq$  2% HIV infection prevalence rate and only 3 variables retained in the final model in sites with less than 2 % HIV infection prevalence rate.

Table 7 shows the factors associated with HIV infection in sites with  $\geq$  2% HIV infection prevalence rate based on the 2011 IHBSS data. The adjusted OR for HIV infection among those who had more than or equal to 2 anal sex acts in a month with a male and those with syphilis is 8.89 (95% CI: 1.01–67.83) and 13.94 (95% CI: 1.12 – 17.28).

**Table 7. Factors Associated with HIV Infection among MSM from sites with  $\geq$  2% HIV Infection Prevalence Rate, 2011 IHBSS, Philippines**

Factors	N	n, %	UOR	AOR	SE	z	P	95% CI
$\geq$ 2 anal sex acts in a month	691	39, 5.64	2.21	8.29	8.89	1.97	0.049	1.01 - 67.83
Has Syphilis	27	2, 7.41	2.33	13.94	17.93	2.05	0.040	1.12 - 17.28

*UOR: unadjusted odds ratio, AOR : adjusted odds ratio, SE: standard error, z: z-value, p: p-value, CI: confidence interval*

Table 8 presents the unadjusted and adjusted odds ratios of factors associated with HIV infection of MSM from cities with  $<$  2% HIV infection prevalence rate based on the 2011 IHBSS data. The odds of having HIV among those who are oral inserters alone or oral receivers alone during the last time they had anal sex is 0.23 and 0.32 times less than the odds of having HIV infection among those who are both oral inserter and receiver, with all variables held constant. The adjusted odds ratios of having HIV infection among MSM for those who have participated in group sex and those who visited the hospital for possible STI in the past 12 months is 2.34 (95%CI: 1.01 - 5.42) and 3.43 (95%CI: 1.16 - 10.12), respectively.

**Table 8. Factors Associated with HIV Infection Among MSM from Sites with < 2% HIV Infection Prevalence Rate, 2011 IHBSS, Philippines**

Factors	N	n, %	UOR	AOR	SE	Z	P	95% CI
<b>Oral sex</b>								
Both oral inserter and receiver	827	14, 1.7	1.0 <sup>R</sup>	1.0 <sup>R</sup>	--	--	--	--
Oral inserter	1857	7, 0.38	0.22	0.24	0.11	-3.06	0.002	0.09 - 0.59
Oral receiver	1386	7, 0.51	0.29	0.32	0.15	-2.45	0.014	0.13 - 0.80
Ever participated in group sex	467	8, 1.71	3.14	2.34	1.00	1.99	0.047	1.01 - 5.42
Visited hospital for possible STI in the past 12 months	198	4, 2.02	2.55	3.43	1.89	2.23	0.026	1.16 - 10.12

*UOR: unadjusted odds ratio, AOR : adjusted odds ratio, SE: standard error, z: z-value, p: p-value, CI: confidence interval, R: reference*

#### **FACTORS ASSOCIATED WITH CONDOM USE AMONG MSM**

Table 9 shows the factors associated with condom use among MSM during their last anal sex in the past 12 months. Sixty-three variables were initially identified, through simple logistic regression with a cut-off value of  $p < 0.25$ , to be included in the multiple logistic regression analysis full model. Upon forward-stepwise selection, only 9 variables remained in the final model.

The highest adjusted odds ratio among factors associated with condom use during anal sex is the knowledge that using condoms reduce the risk of HIV infection (AOR: 1.79; 95%CI 1.39 – 2.31).

Those who know what HIV is, know that a healthy looking person can have HIV and know that having sex with only one faithful uninfected partner reduce the risk of HIV transmission are 1.46, 1.30 and 1.61 times more likely to use condoms during anal sex as compared to those who do not know the aforementioned information.

The adjusted odds ratios of using condoms among MSM who knows that a person get HIV by sharing food with someone who is infected with HIV and who felt that they are at risk of HIV infection is 0.76 (95%CI: 0.65 -0.90) and 0.81 (95%CI: 0.70 – 0.95), respectively. Only thirty-four percent of those who responded that they feel at risk of having HIV used condoms during their last anal sex with a male in the past 12 months.

The AOR for condom use among those who received a condom from SHC or city health office in the past 12 months and those who visited or consulted a hospital for possible STI in the past 12 months is 1.56 (95%CI: 1.33 – 1.82) and 1.51 (95%CI: 1.16 – 1.96) respectively.

Among MSM respondents from the sites in NCR (Caloocan, Makati, Mandaluyong, Manila, Marikina, Pasig, Pasay and Quezon City), the odds of using condom during anal sex with a male is 1.16 times higher as compared to the odds of using condom during anal sex with a male among those from other areas outside NCR, holding all variables constant.

**Table 9. Factors Associated with Condom Use among MSM, 2011 IHBS, Philippines**

<b>Factors</b>	<b>N</b>	<b>n, %</b>	<b>UOR</b>	<b>AOR</b>	<b>SE</b>	<b>Z</b>	<b>P</b>	<b>95% CI</b>
<b>Resides in NCR</b>	1295	477, 36.83	1.16	1.16	0.09	1.97	0.049	1.00 - 1.35
<b>Knowledge: Knows what HIV is</b>	3307	1214, 36.7	2.37	1.46	0.21	2.60	0.009	1.10 - 1.94
<b>Knowledge: A healthy looking person can have HIV</b>	3015	1130, 37.5	1.92	1.30	0.14	2.44	0.015	1.05 - 1.60
<b>Knowledge: Using condoms reduce the risk of HIV transmission</b>	3192	1192, 37.3	2.47	1.79	0.23	4.49	<0.001	1.39 - 2.31
<b>Knowledge: Having sex with only one faithful uninfected partner reduce the risk of HIV transmission</b>	2924	1107, 37.9	1.98	1.61	0.16	4.73	0.000	1.32 - 1.95
<b>Knowledge: A person does not get HIV by sharing food with someone who is infected with HIV</b>	1047	291, 27.79	0.63	0.76	0.06	-3.18	0.001	0.65 - 0.90
<b>Feels that he is at risk of having HIV infection</b>	2481	849, 34.22	0.91	0.81	0.06	-2.68	0.007	0.70 - 0.95
<b>Received free condoms from the social hygiene clinic/ city health office in the past 12 months</b>	1040	453, 43.56	1.67	1.45	0.12	4.54	<0.001	1.23 - 1.69
<b>Visited or consulted hospital for possible STI in the past 12 months</b>	265	129, 48.68	1.85	1.45	0.20	2.75	0.006	1.11 - 1.90

*UOR: unadjusted odds ratio, AOR : adjusted odds ratio, SE: standard error, z: z-value, p: p-value, CI: confidence interval*

## FACTORS ASSOCIATED WITH ACCESS TO SOCIAL HYGIENE CLINICS

The factors associated with access to social hygiene clinics based on the multiple logistic regression model are presented in Table 10. A total of 70 variables were initially determined to be included in the multiple logistic regression model based on the simple logistic regression with a cut-off point of  $p < 0.25$ . Only 3 explanatory variables remained in the final model.

The odds of accessing social hygiene clinics among those who have attended a seminar or meeting or a discussion conducted by the social hygiene clinic/ city health office (CHO) about prevention of STI and HIV is 7.82 times higher as compared to the odds of accessing social hygiene clinics among those who were unable to attend those events, holding all variables constant.

The AOR among those who have experienced unusual genital discharge in the past 12 months and those who are comfortable to go to SHC for HIV testing is 3.54 (95% CI: 2.58 – 4.86) and 6.19 (95% CI: 4.76 – 8.03), respectively.

Among respondents from NCR, the odds of accessing social hygiene clinics is 0.56 (95% CI: 0.47 – 0.66) times less than the odds of accessing social hygiene clinics among those from other sites outside the region, with all variable held constant. Only 11% among those in the NCR accessed social hygiene clinics as compared to the 42% who accessed social hygiene clinics in other areas outside NCR.

**Table 10. Factors Associated with Access to Social Hygiene Clinics, 2011 IHBSS, Philippines**

Factors	N	n, %	UOR	AOR	SE	z	P	95% CI
Resides in NCR	2318	250, 10.8	0.41	0.56	0.05	-6.65	<0.001	0.47 - 0.66
Unusual genital discharge in the past 12 months	2867	579, 20.2	1.22	3.54	0.57	7.81	<0.001	2.58 - 4.86
Attended a seminar or meeting or a discussion conducted by the social hygiene clinic/ city health office about prevention of STI and HIV	1185	400, 33.8	5.12	7.82	0.62	25.77	<0.001	6.69 - 9.15
Comfortable to go to Social Hygiene Clinic for HIV testing	4003	980, 24.5	5.91	6.19	0.82	13.68	<0.001	4.76 - 8.03

*UOR: unadjusted odds ratio, AOR : adjusted odds ratio, SE: standard error, z: z-value, p: p-value, CI: confidence interval*

## **FACTORS ASSOCIATED WITH PREVIOUS HIV TEST**

The factors associated with having previous HIV test are presented in Table 11. A total of 104 variables were initially identified and was subsequently added to the multiple logistic regression model through forward- stepwise selection. Seven explanatory variables remained in the final model.

Younger individuals (< 25 years old) are less likely to have HIV test, with an AOR of 0.29 (95% CI: 0.19 to 0.45) among those in the 15-17 age group and AOR of 0.56 (95% CI: 0.46 – 0.67) for those in the 18 to 24 age group. MSM from sites with  $\geq 2\%$  HIV prevalence rate (Angeles, Cebu, Davao, Batangas, Manila, Pasay and Quezon ) are more likely to have HIV test as compared to those from other areas (AOR: 1.46; 95%CI: 1.21 – 1.76). Those who worked outside the Philippines in the last 5 years are also more likely to have HIV test (AOR: 1.98; 95%CI: 1.36 – 2.89).

The AOR of having previous HIV test among those have experienced being an oral receiver and those who used lubricant during last anal sex with male is 1.42 (95%CI: 1.13-1.80) and 1.29(95%CI: 1.06 – 1.57), respectively.

MSM who attended a seminar or meeting or a discussion conducted by the social hygiene clinic/ city health office about prevention of STI and HIV, received free condoms from the social hygiene clinic/ city health office in the past 12 months, or visited / consulted a hospital for possible STI in the past 12 months are more likely to have previous HIV tests, with AOR 2.18 (95%CI: 1.73 – 2.75), 2.60 (95%CI: 2.08 – 3.25) and 1.78 (95%CI: 1.33 – 2.37), respectively.

**Table 11. Factors Associated with Previous HIV Test, Philippines, 2011 IHBS**

Factors	N	n, %	UOR	AOR	SE	z	P	95% CI
<b>Cities with <math>\geq</math> 2% HIV prevalence rate</b>	1944	363, 18.7	1.74	1.46	0.14	3.98	<0.001	1.21 - 1.76
<b>Age</b>								
> 24yo	2272	461, 20.3	1.0 <sup>R</sup>	--	--	--	--	--
18yo to 24yo	2956	344, 11.6	0.52	0.56	0.05	-6.02	<0.001	0.46 - 0.67
< 18yo	804	34, 4.23	0.17	0.29	0.06	-5.60	<0.001	0.19 - 0.45
<b>Worked outside the Philippines in the last 5 years</b>	187	65, 34.76	3.48	1.98	0.38	3.56	<0.001	1.36 - 2.89
<b>Ever experienced being an oral receiver</b>	3798	635, 16.7	1.99	1.42	0.17	2.97	0.003	1.13 - 1.80
<b>Used lubricant during last anal sex with male</b>	2415	460, 19.1	1.61	1.29	0.13	2.57	0.010	1.06 - 1.57
<b>Attended a seminar or meeting or a discussion conducted by the social hygiene clinic/ city health office about prevention of STI and HIV</b>	1185	400, 33.8	5.12	2.18	0.26	6.64	<0.001	1.73 - 2.75
<b>Received free condoms from the social hygiene clinic/ city health office in the past 12 months</b>	1589	484, 30.5	5.06	2.60	0.29	8.44	<0.001	2.08 - 3.25
<b>Visited or consulted hospital for possible STI in the past 12 months</b>	368	131, 35.6	3.88	1.78	0.26	3.92	<0.001	1.33 - 2.37

*UOR: unadjusted odds ratio, AOR : adjusted odds ratio, SE: standard error, z: z-value, p: p-value, CI: confidence interval*

## FACTORS ASSOCIATED WITH MULTIPLE MALE SEX PARTNERS

The factors associated with multiple male sex partners in the past 12 months ( $\geq 2$  male partners) based on the multiple logistic regression model are presented in Table 12. A total of 35 variables were identified and was sequentially included and excluded through forward-stepwise selection in the multiple logistic regression model. Three explanatory variables remained in the final model upon dropping the remaining variables during model fitting.

Among MSM from cities with  $\geq 2\%$  HIV prevalence rate (Angeles, Cebu, Davao, Batangas, Manila, Pasay and Quezon), the odds of having multiple sex partners is 1.25 times higher than the odds of having multiple sex partners among those from other areas, holding all variables constant (AOR: 1.25; 95%CI: 1.06 – 1.49).

Those who are currently living with a partner are less likely to have multiple sex partners, with AOR 0.51 (95%CI: 0.43 – 0.60).

MSM who are members of any male or MSM social networking websites are more likely to have multiple sex partners, with AOR 1.62 (95%CI: 1.32 – 1.99) as compared to those who are not members of social networking websites.

**Table 12. Factors Associated with Multiple Male Sex Partners, Philippines, 2011 IHBSS**

Factors	N	n, %	UOR	AOR	SE	z	P	95% CI
<b>Cities with <math>\geq 2\%</math> HIV prevalence rate</b>	1755	1526, 87.0	1.33	1.25	0.11	2.59	0.01	1.06 - 1.49
<b>Currently living with a partner</b>	1036	795, 76.74	0.51	0.51	0.04	-7.77	0.00	0.43 - 0.60
<b>Members of any social networking websites</b>	1167	1043, 89.4	1.71	1.62	0.17	4.55	0.00	1.32 - 1.99

*UOR: unadjusted odds ratio, AOR : adjusted odds ratio, SE: standard error, z: z-value, p: p-value, CI: confidence interval*

## CONCLUSION

The factors associated with HIV infection among MSM in the Philippines include the following: member of a male or MSM social networking website (OR: 2.74), engaged in paid sex with a female (OR: 3.40), experienced being an anal receiver during anal sex (OR: 3.30), and received HIV test in the past (OR: 3.60).

MSM who reside in NCR (Caloocan, Makati, Mandaluyong, Manila, Marikina, Pasig, Pasay and Quezon City) (OR: 1.16), received free condoms from SHC/ CHO (OR: 1.45) and visited or consulted hospital for possible STI (OR: 1.45) are some factors associated with condom use during anal sex. Other factors associated with condom use during anal sex include feeling that he is at risk of having HIV infection (OR:0.81) and the knowledge of the following information: what HIV is (OR: 1.46); a healthy looking person can have HIV (OR:1.30); condoms can reduce the risk of HIV transmission(OR:1.79); having sex with one uninfected partner reduces HIV infection risk(OR:1.61); HIV is not transmitted through food sharing (OR:0.76).

Persons who are from the NCR are less likely to access social hygiene clinics as compared to those from areas outside the region (OR: 0.56). Those who attended a seminar or meeting or discussion conducted by SHC/CHO (OR: 7.82), those who are comfortable to go to SHC for HIV testing (OR: 6.19) and those who experienced unusual genital discharge (OR: 3.54) are other factors associated with access to social hygiene clinics.

Those who attended a seminar, meeting or discussion conducted by the SHC/ CHO about prevention of STI and HIV (OR: 2.18), received free condoms from the SHC/ CHO (OR: 2.60) and visited or consulted a hospital for possible STI (OR: 1.78) are more likely to have previous HIV tests as compared to those who did not experience these events. MSM who reside in the cities with  $\geq 2\%$  HIV infection prevalence rate (Angeles, Cebu, Davao, Batangas, Manila, Pasay and Quezon City) are more likely to have previous HIV tests as compared to those from other areas (OR: 1.46). Those who are younger ( $< 18$  years, OR: 0.29; 18 to 24 years, OR: 0.56) are less likely to have previous HIV test as compared to those who are 25 years and older. Worked outside the Philippines in the last 5 years (OR:1.98), experienced being an oral receiver (OR:1.42) and used lubricant during last anal sex with a male (OR:1.29) are all associated with previous HIV testing.

The factors associated with multiple male sex partners are as follows: currently living with a partner (OR: 0.51), reside in cities with  $\geq 2\%$  HIV infection prevalence rate (Angeles, Cebu, Davao, Batangas, Manila, Pasay and Quezon City) (OR:1.33); having paid a male sex partner (OR: 2.21); and being a member of any male or social networking websites (OR: 1.71).

## LIMITATIONS

Trend analysis was not conducted in this study. Only the 2011 IHBSS data was used. Analysis comparing sites of 2011 IHBSS were not done because it induces sparse data.

Multiple logistic regression models with rare events may be subject to small-sample bias. In this current analysis, the outcome variable, HIV infection, has a considerably small number of those with HIV infection as compared to those without HIV infection. This may affect the maximum likelihood estimation of the logistic model (King & Zeng, 2001).



Complete or quasi-complete separation occurred when some explanatory variables were included in the model and these variables that caused separation were excluded from the model. This was observed during analysis for all the regression models performed. Complete or quasi-complete separation may have prevented some important explanatory variables from being included in the final regression models.

Forward-stepwise selection approach was used to determine the factors associated with the outcome variables. This approach may yield minimal variance, but it is possible that it may induce biased estimators (Hastie, et al., 2009). Endogeneity of explanatory variables were not tested in this study.

## **RECOMMENDATIONS**

Regression models, such as Firth logistic regression models, Bayesian methods (IDRE, n.d.) and double penalized maximum likelihood estimators (Shen & Gao, 2008) should be explored in the future. Other model selection procedures such as the Akaike Information Criterion may also be considered in future studies. Bias due to lack of sampling weights should also be further investigated.

Policies and programs should include and target new advances in technology (e.g. internet) to lessen the extent of HIV transmission since it was shown that membership to male or MSM social networking websites increase the likelihood of having HIV infection and multiple sex partners. Future IHSS should likewise incorporate more questions about patterns and use of internet among MSM that may affect HIV transmission.

Persons who reported that they have been tested for HIV infection in the past were also shown to be associated with HIV infection. HIV prevention programs conducted in HIV testing centers for those whose results are negative for HIV infection should be further explored and enhanced.

Programs and projects to increase use of condoms should be strengthened most notably in areas outside NCR, while ease of access to social hygiene clinics among MSM should be promoted in NCR as MSM from these regions are less likely to use condoms and visit social hygiene clinics. HIV testing should be advocated in areas with less than 2% HIV prevalence rate since HIV testing among MSM is less likely to occur in this areas.

Seminars, meetings or discussions about STI and HIV prevention are viable ways to increase access to social hygiene clinics and HIV testing. Distribution of condoms to MSM is also beneficial as they are associated with condom use and HIV testing.

MSM's knowledge about HIV and its transmission should also be given particular attention as these are associated with use of condoms. Health seeking behaviors of MSM should be encouraged in programs and activities by the health authorities as visiting or consulting a hospital for STI is associated with condom use and HIV testing. Furthermore, activities that target risky behaviors and practices of MSM should be intensified as these are associated with HIV infection.

## REFERENCES

- Conserve, D., Sevilla, L., Mbwambo, J. & King, G. (2012). Determinants of previous HIV testing and knowledge of partner's HIV status among men attending a voluntary counselling and testing in clinic in Dar es Salaam, Tanzania. *American Journal of Men's Health*. doi: 10.1177/1557988312468146
- Essien, E., Ogungbade, G., Kamiru, H., Ekong, E., Ward, D., Holmes, L. (2006). Emerging socio-demographic and lifestyle predictors of intention to use condom in Human Immunodeficiency Virus (HIV) intervention among Uniformed Services Personnel. *Military Medicine*, 171(10), 1027 - 1034.
- Hastie, T., Tibshirani, R., & Friedman, J. (2009). *The Element of Statistical Learning*. New York: Springer Science.
- Institute for Digital Research and Education (n.d.). FAQ. What is complete or quasi-complete separation in logistic/probit regression and how do we deal with them? Retrieved January 21, 2013, from University of California Los Angeles Statistical Consulting Group website: [http://www.ats.ucla.edu/stat/mult\\_pkg/faq/general/complete\\_separation\\_logit\\_models.htm](http://www.ats.ucla.edu/stat/mult_pkg/faq/general/complete_separation_logit_models.htm)
- King, G. & Zeng, L. Logistic regression in rare events data. *Political Analysis*, 9, 137-163.
- Liu, J., Qu, B., Ezeakile, M., & Zhang, Y. (2012). Factors associated with unprotected anal intercourse among men who have sex with men in Liaoning Province, China. *PLoS One*, 7 (11). doi: 10.1371/journal.pone.0050493.
- National Epidemiology Center, Department of Health (n.d.). *Protocol for the Philippine Integrated HIV Behavioral and Serologic Surveillance (Philippine IHBSS 2011)*. Manila: Department of Health
- National Epidemiology Center, Department of Health (2012, December). *Newly Diagnosed HIV Cases in the Philippines*. Retrieved Jun 30 2012, from <http://www.pnac.org.ph/index.php?page=philippine-hiv-and-aids-registry>
- O'Donnel, O., van Doorslaer, E., Wagstaff, A., & Lindelow, M. (2007). *Analyzing Health Equity Using Household Survey Data*. Washington: The International Bank for Reconstruction and Development / The World Bank.
- Pedroso L., Sasota, R., & Tacardon, L. (2011). *Further study of the 2009 Philippine Integrated HIV Behavioral and Serologic Surveillance (IHBSS)*. United Nations Development Programme, Department of Health, Health Action Information Network.
- Raymond, H. F., Ick, T., Grasso, M. Vaudrey, J., McFarland, W. (2007). *Resource Guide: Time Location Sampling*. San Francisco: San Francisco Department of Public Health HIV Epidemiology Section, Behavioral Surveillance Unit.
- Saldana, E. (2010). The Philippine HIV/AIDS epidemic: A call to arms. *Acta Medica Philippina*, 44(1), 60-62.
- Shen, J. & Gao, S. (2008). A solution to separation and multicollinearity in multiple logistic regression. *Journal of Data Science*, 6, 515 – 531.
- UNDP (n.d.). Terms of Reference: In-depth Analysis of 2011 IHBSS Males having Sex with Males.

Annex A. Simple Logistic Regression of Factors Associated with HIV Infection among MSM in the Philippines, 2011

Description	N (N=6107)	HIV+ n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>city (<math>\geq</math> 2% HIV prevalence rate)</b>	1954	66, 3.38	5.15	1.17	3.30 – 8.04	58.5 (1)	<0.0001
<b>Age</b>							
<18	814	0	--				
18 – 24	2991	51, 1.71	0.91	0.19	0.61 – 1.37	0.20(1)	0.66
> 25	2302	43, 1.87	1.0 <sup>R</sup>				
<b>Civil status</b>							
Single	5674	88, 1.55	1.0				
Married	325	5, 1.54	0.99	0.46	0.40 – 2.46	0.00 (1)	0.99
Separated/ widowed	50	0	--				
<b>Education</b>							
No grade completed	89	0	--				
Elementary	985	7, 0.71	0.24	0.10	0.11 – 0.52	29.14(2)	<0.0001
High school	3294	35, 1.06	0.35	0.08	0.23 – 0.54		
College	1725	51, 2.96	1.0 <sup>R</sup>				
<b>Worked outside the Philippines in the last 5 years</b>	189	3, 1.59	1.01	0.60	0.32 – 3.24	0.00 (1)	0.98
<b>Member of any male or MSM social networking website</b>	1247	49, 3.93	4.38	0.93	2.89 – 6.63	46.43(1)	<0.0001
<b>Knowledge of what a condom is</b>	5907	93, 1.57	2.65	2.67	0.37 – 19.16	2.32 (1)	0.25
<b>Condom breakage in the past 12 months</b>	396	13, 3.28	0.82	0.39	0.74 – 0.90	30.22(1)	<0.0001
<b>Age when first time had sex</b>							
<18	4445	60, 1.35	1.0 <sup>R</sup>				
18 – 24	1533	33, 2.15	1.61	0.35	1.05 – 2.47	4.5(2)	0.104
> 25	77	1, 1.30	0.96	0.98	0.13 – 7.03		
<b># female sex partners in the past 12 months</b>							
0	550	22, 4.00	1.0				
1	873	7, 0.8	0.19	0.85	0.08 – 0.46	26.76(4)	<0.0001
2 – 5	1009	6, 0.59	0.14	0.67	0.06 – 0.36		
6 – 10	239	3, 1.26	0.31	0.19	0.09 – 1.03		
> 10	121	2, 1.65	0.40	0.30	0.09 – 1.74		

Description	N (N=6107)	HIV+ n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
Paid sex with a female in the last 12 months	181	4, 2.21	2.59	1.44	0.87 – 7.71	2.40(1)	0.12
Vaginal sex without using condoms in the last 12 months	1507	13, 0.86	0.54	0.20	0.26 – 1.11	2.81(1)	0.094
Anal sex with female without using condoms in the last 12 months	296	3, 1.01	0.82	0.50	0.25 – 2.73	0.11(1)	0.74
Age at first sex with male							
<18	3974	51, 1.28	1.0 <sup>R</sup>				
18 – 24	1951	42, 2.15	1.69	0.36	1.12 – 2.56	7.44(2)	0.02
> 25	169	1, 0.59	0.46	0.46	0.06 – 3.33		
Ever experienced being an oral receiver	3845	82, 2.13	4.06	1.26	2.21 – 7.45	27.98(1)	<0.0001
Ever experienced being an oral inserter	4757	87, 1.83	3.54	1.40	1.64 – 7.67	14.73(1)	0.0001
Ever experienced being an anal receiver	2927	70, 2.39	3.35	0.81	2.08 – 5.38	29.18(1)	<0.0001
Ever experienced being an anal inserter	3049	77, 2.53	4.61	1.24	2.72 – 7.81	41.89(1)	<0.0001
Oral sex with a male without using condoms in the past 12 months	4668	75, 1.61	0.97	0.06	0.85 – 1.10	0.25(1)	0.61
Anal sex with a male without using condoms in the past 12 months	2875	62, 2.16	0.91	0.03	0.85 – 0.97	9.31(1)	0.002
Oral sex							
Oral inserter	2692	21, 0.78	0.19	0.05	0.11 – 0.32	47.44(1)	<0.0001
Oral receiver	2053	24, 1.17	0.29	0.07	0.18 – 0.47		
Both inserter and receiver	1247	49, 3.93	1.0 <sup>R</sup>				
Anal sex							
Anal inserter	1515	21, 1.39	0.36	0.10	0.20 – 0.63	13.43(2)	0.001
Anal receiver	1861	35, 1.88	0.49	0.12	0.30 – 0.80		
Both top and bottom	796	30, 3.77	1.0 <sup>R</sup>				
Used lubricant during last anal sex with male	2453	64, 2.61	2.09	0.52	1.28 – 3.41	9.70(1)	0.002
Ejaculation happened inside the anus	1986	44, 2.22	0.95	0.05	0.86 – 1.05	1.18(1)	0.28
# of male sex partners in the past 12							

Description	N (N=610 7)	HIV+ n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>months</b>	451	3, 0.67	1.00 <sup>R</sup>				
0	814	5, 0.61	0.92	0.68	0.22 – 3.88	13.15(4)	0.106
1	2056	34, 1.65	2.51	1.52	0.77 – 8.21		
2 – 5	1099	22, 2.0	3.05	1.89	0.91 – 10.24		
6 – 10	1298	28, 2.16	3.29	2.01	0.996 -10.88		
> 10							
<b># of anal sex acts in a month</b>							
0	326	3, 0.92	1.00 <sup>R</sup>			12.59(4)	0.01
1	1148	14, 1.22	1.33	0.45	0.38 – 4.65		
2 – 5	1659	45, 2.71	3.00	1.83	0.93 – 9.72		
6 – 10	261	9, 3.45	3.85	2.00	1.03 – 14.35		
> 10	100	2, 2.00	2.20	0.86	0.36 – 13.33		
<b>Age first bought sex</b>							
<18	566	7, 1.24	1.0 <sup>R</sup>			0.52(2)	0.77
18 – 24	1090	17, 1.56	1.27	0.57	0.52 – 3.06		
> 25	4307	70, 1.63	1.32	0.53	0.60 – 2.88		
<b>Paid a male partner in the past 12 months</b>	1578	26, 1.65	1.41	0.69	0.54 – 3.70	0.53(1)	0.47
<b># of paid male sex partners in the past 12 months</b>							
0	27	0	--			3.40(3)	0.33
1	238	3, 1.26	1.62	1.33	0.32 – 8.08		
2 – 5	644	12, 1.86	2.41	1.56	0.67 – 8.58		
6 – 10	348	8, 2.30	2.98	2.02	0.78 – 11.32		
> 10	383	3, 0.78	1.0 <sup>R</sup>				
<b>Used lubricant during last anal sex with a paid male sex partner</b>	851	16, 1.88	1.39	0.64	0.57 – 3.42	0.55(1)	0.46
<b>Used condom during anal sex with last paid male sex partner</b>	458	9, 1.97	1.27	0.55	0.54 – 2.95	0.29(1)	0.59
<b># of paying male sex partners in past 12 months</b>							
0	55		--			2.64(3)	0.45
	628	8, 1.27	2.52	2.00	0.53 – 11.94		

Description	N (N=6107)	HIV+ n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
1	1358	19, 1.40	2.77	2.07	0.64 – 11.96		
2 – 5	482	7, 1.45	2.88	2.31	0.60 – 13.95		
6 – 10	393	2, 0.51	1.0 <sup>R</sup>				
> 10							
<b>Type of sex with a paying male partner</b>							
Oral sex	1627	18, 1.11	0.72	0.23	0.38 – 1.35	1.07 (2)	0.56
Anal sex	148	2, 1.35	0.88	0.65	0.20 – 3.78		
Both oral and anal sex	1436	22, 1.53	1.0 <sup>R</sup>				
<b>Last paying partner is a foreigner</b>	281	9, 3.20	2.73	1.03	1.30 – 5.72	5.75(1)	0.016
<b>Ever participated in group sex of orgy</b>	775	33, 4.26	3.79	0.83	2.47 – 5.84	31.09(1)	<0.0001
<b>Participated in group sex or orgy in the past 12 months</b>	455	22, 4.84	2.03	0.63	1.11 – 3.70	5.20(1)	0.02
<b>Number of times participated in group sex in the past 12 months</b>							
0	11	0	--				
1	194	5, 2.58	1.0 <sup>R</sup>				
2 – 5	226	17, 7.52	3.07	1.59	1.11 – 8.50	5.88(3)	0.12
6 – 10	15	1, 6.67	2.7	3.05	0.29 – 24.73		
> 10	10	1, 10.00	4.2	4.82	0.44 – 39.80		
<b>Had sex while under the influence of alcohol in the past 12 months</b>	3753	62, 1.65	1.23	2.76	0.79 – 1.91	0.88(1)	0.35
<b>Used condom during last sex while high on drugs</b>	70	2, 2.86	0.88	0.68	0.20 – 4.01	0.03(1)	0.87
<b>Ever tried injecting drugs</b>	15	1, 6.67	0.45	4.73	0.56 – 35.65	1.37(1)	0.24
<b>Respondent look like a female</b>	1329	17, 1.28	0.78	0.21	0.46 – 1.32	0.94(1)	0.33
<b>Circumcision</b>	5774	93, 1.61	--				
<b>Sexual reassignment surgery</b>	72	1, 1.39	0.90	0.90	0.12 – 6.51	0.01(1)	0.91
<b>Knowledge about infection that can be transmitted thru sexual contact</b>	5501	89, 1.62	1.79	0.83	0.73 – 4.43	1.9(1)	0.17

Description	N (N=610 7)	HIV+ n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>Knowledge about symptoms of STI they know</b>	1151	9, 0.78	1.0 <sup>R</sup>				
I don't know any	3267	63, 1.93	2.5	0.89	1.24 – 5.03	13.24(6)	0.04
Discharge	183	1, 0.55	0.70	0.73	0.09 – 5.54		
Ulcer/sore	105	2, 1.90	2.46	0.25	0.53 – 11.55		
Wart	1024	12, 1.17	1.50	0.36	0.63 – 3.59		
Pain/inflammation	185	5, 2.70	6.34	0.09	0.77 – 52.48		
Other							
<b>Unusual genital discharge in the past 12 months</b>	245	3, 1.22	0.77	0.46	0.24 – 2.46	0.21(1)	0.65
<b>Genital ulcer or sore in the past 12 months</b>	96	3, 3.13	2.06	1.23	0.64 – 6.62	1.2(1)	0.27
<b>Genital warts in the past 12 months</b>	21	3, 14.29	10.77	6.81	3.12 – 37.20	8.35(1)	0.004
<b>Completed medications prescribed</b>	112	3, 2.68	0.72	0.32	0.31 – 1.71	1.33(1)	0.25
<b>Knowledge: Do you know what HIV is?</b>	5368	90, 1.68	2.98	1.52	1.09 – 8.15	6.41(1)	0.01
<b>Knowledge: Can HIV be prevented?</b>	5378	86, 1.60	1.35	0.50	0.65 – 2.80	0.70(1)	0.40
<b>Knowledge: Can a healthy looking person have HIV?</b>	4856	88, 1.81	3.63	1.53	1.58 – 8.31	13.51(1)	0.002
<b>Knowledge: Can a person get HIV from mosquito bites?</b>	1839	25, 1.36	0.83	0.19	0.52 – 1.31	0.69(1)	0.41
<b>Knowledge: Can using condoms reduce the risk of HIV transmission?</b>	5185	82, 1.58	1.11	0.35	0.61 – 2.05	0.12(1)	0.73
<b>Knowledge: Can a person get HIV by using toilet bowls/ urinal sin public places?</b>	1603	23, 1.43	0.89	0.22	0.56 – 1.44	0.21(1)	0.64
<b>Knowledge: Can the sharing of needles after an HIV infected person had used it increase the risk of HIV infection?</b>	5223	88, 1.68	2.32	0.99	1.01 – 5.33	5.07(1)	0.02
<b>Can having sex with only one faithful uninfected partner reduce the risk of HIV transmission?</b>	4762	77, 1.62	1.22	0.33	0.72 – 2.07	0.56(1)	0.46
<b>Can a person get HIV by sharing food</b>	1689	14, 0.83	0.45	0.13	0.25 – 0.79	9.20(1)	0.002

Description	N (N=6107)	HIV+ n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>with someone who is infected with HIV?</b>							
<b>Do you feel that you yourself are at risk of HIV infection?</b>	3823	64, 1.67	1.32	0.30	0.84 – 2.06	1.52(1)	0.22
<b>Why do you feel that you are at risk of HIV infection?</b>							
I already have HIV	7	1, 14.29	1.0 <sup>R</sup>			8.61(3)	0.04
Had sex with and HIV + partner	114	0	--	--			
Many sex partners	2315	50, 2.16	0.13	0.14	0.16 – 1.12		
Do not always use condoms	1198	13, 1.09	0.07	0.07	0.01 – 0.59		
Sharing needles (IDU)	5	0	--	--			
Others	107	3, 2.80	0.17	0.21	0.16 – 1.92		
<b>Why do you feel that you are NOT at risk of HIV infection?</b>							
Only have one partner	441	7, 1.59	1.0 <sup>R</sup>			1.15(3)	0.76
Always used condoms	407	4, 0.98	0.62	0.39	0.18 – 2.12		
Convinced partner “clean”, no infection	1008	13, 1.29	0.81	0.38	0.32 – 2.04		
Never share needles	122	0	--	--			
Others	151	1, 0.66	0.42	0.44	0.05 – 3.39		
Others							
<b>Ever been tested for HIV</b>	839	23, 2.74	2.0	0.49	1.26- 3.27	7.54(1)	0.006
<b>Reason for not having HIV test</b>							
Afraid to get tested	1450	16, 1.10	1.0 <sup>R</sup>			5.42(5)	0.37
Feels no need to get tested	1319	25, 1.90	1.73	0.56	0.92 - 3.26		
Do not know where to get tested	1214	13, 1.07	0.97	0.36	0.46 – 2.02		
Testing facility too far	40	1, 2.50	2.30	2.40	0.30 – 17.77		
No money for testing	286	5, 1.75	1.60	0.82	0.58 – 4.39		
Others	124	3, 2.42	2.22	1.41	0.64 – 7.73		
<b>Underwent voluntary HIV testing</b>	217	3, 1.83	0.47	0.30	0.14 – 1.62	1.68(1)	0.19
<b>Attended a seminar or meeting or a discussion conducted by the social hygiene clinic/ city health office about prevention of STI and HIV</b>	1191	23, 1.93	1.32	0.32	0.822 – 2.12	1.27(1)	0.26
<b>Received free condoms from the</b>	1594	36, 2.26	1.74	0.37	1.14 – 2.65	6.34(1)	0.01



Description	N (N=610 7)	HIV+ n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
social hygiene clinic/ city health office in the past 12 months							
Received free lubricants from the social hygiene clinic/ city health office in the past 12 months	214	3, 1.40	0.89	0.53	0.28 – 2.84	0.04(1)	0.84
Approached by someone from the Social Hygiene Clinic/ City Health Office to talk about how to prevent HIV transmission when injecting drugs	910	16, 1.76	1.15	0.32	0.67 – 1.98	0.26(1)	0.62
Visited or consulted hospital for possible STI in the past 12 months	369	11, 2.98	2.13	0.69	1.12 – 4.03	4.48(1)	0.03
Knowledge that there are STI services for males at the Social Hygiene Clinic / City Health Office	2264	42, 1.86	1.39	0.29	0.92 – 2.10	2.41(1)	0.12
Comfortable to go to Social Hygiene Clinic for STI consultation	4017	67, 1.67	1.27	0.30	0.81 – 2.01	1.11(1)	0.29
Comfortable to go to Social Hygiene Clinic for HIV testing	4087	68, 1.66	1.23	0.27	0.81 – 1.88	0.93(1)	0.33
Visited or consulted the Social Hygiene Clinic / City Health Office in the past 12 months	824	15, 1.82	1.22	0.35	0.70 - 2.13	0.47(1)	0.49
<b>Current sexual identity</b>							
Bakla	2184	25, 1.14	1.74	0.57	0.92 – 3.32	50.04(5)	<0.0001
Homosexual	532	10, 1.88	2.88	1.19	1.29 – 6.46		
Bisexual	859	38, 4.42	6.97	2.15	3.82 – 12.74		
Female	169	4, 2.37	3.65	2.08	1.20 – 11.12		
Male	2275	15, 0.66	1.0 <sup>R</sup>				
Others	34	1, 2.94	4.57	4.78	0.59 – 35.58		
<b>Sexual preference</b>							
Male	3358	59, 1.76	3.36	1.15	1.72 – 6.59	25.44(2)	<0.0001
Female	1891	10, 0.53	1.0 <sup>R</sup>				
Both Male and Female	757	22, 2.91	5.63	2.16	2.65 – 11.95		
With syphilis	87	3, 3.45	2.32	1.39	0.72 – 7.5	1.58(1)	0.21

Annex B. Simple Logistic Regression of Factors Associated with Use of Condoms among MSM in the Philippines, 2011

Description	N (N=6107)	Condom Use n, %	UOR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>Geographic location: NCR</b>	1291	477, 36.95	1.16	0.08	1.01-1.33	4.17	0.04
<b>city (<math>\geq 2\%</math> HIV prevalence rate)</b>	1202	465, 38.69	1.29	0.09	1.12 – 1.49	11.99	0.001
<b>Age</b>							
<18	450	115, 25.56	0.55	0.07	0.43 – 0.69	26.89	<0.0001
18 – 24	1835	625, 34.06	0.82	0.06	0.71 – 0.95		
> 25	1441	555, 38.51	1.0 <sup>R</sup>				
<b>Civil status</b>							
Single	3498	1197, 34.22	1.0 <sup>R</sup>	--	--	12.03	0.0024
Married	163	60, 36.81	1.12	0.19	0.81 – 1.55		
Separated/ widowed	29	19, 65.52	3.65	1.43	1.69 – 7.88		
<b>Currently living with a partner</b>	741	273, 36.84	1.12	0.10	0.94 – 1.32	0.20	0.0003
<b>Education</b>							
No grade completed	56	12, 21.43	1.0 <sup>R</sup>	--	--	26.27	<0.0001
Elementary	548	147, 26.82	1.34	0.46	0.79 – 2.62		
High school	1958	693, 35.39	2.01	0.66	1.05 – 3.83		
College	1155	439, 38.01	2.24	0.74	1.1 – 4.30		
<b>Worked outside the Philippines in the last 5 years</b>	138	59, 42.75	1.41	0.26	1.00 – 1.99	3.75	0.053
<b>Ease of getting lubricants in the community</b>	1705	680, 38.88	1.53	0.11	1.33 – 1.75	36.79	<0.0001
<b>Knowledge of what a condom is</b>	3615	1277, 35.33	7.19	3.06	3.13 – 16.54	37.28	<0.0001
<b>Ease of getting condoms in the community</b>	2497	1060, 42.45	3.18	0.27	2.69 – 3.76	206.19	<0.0001
<b>Bought his own condom</b>	1521	751, 49.38	2.96	0.21	2.57 – 3.40	236.71	<0.0001
<b>Condom breakage in the past 12 months</b>	321	153, 47.66	0.75	0.14	0.72 – 0.78	468.65	<0.0001
<b>Age when condom was first used during sex</b>							
<25	2514	1141, 45.39	1.02	0.05	0.94 – 1.12	0.29	0.59
$\geq 25$	233	110, 47.21					
<b>Age when first time had sex</b>							
<25	3663	1271, 34.70	1.25	0.13	1.02 – 1.54	4.63	0.03
$\geq 25$	41	21, 51.22					
<b>Sex with female</b>	1437	544, 37.86	1.25	0.09	1.09 – 1.43	9.86	0.0017
<b># female sex partners in the past 12 months</b>							
$\leq 1$	757	251, 33.16	1.00	0.22	0.99 – 1.01	0.05	0.83
$\geq 2$	695	292, 42.01					

Description	N (N=6107)	Condom Use n, %	UOR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
Sex with girlfriend, wife or female live-in partners in the past 12 months	918	361, 39.32	0.98	0.02	0.94 – 1.02	0.63	0.43
Paid sex with a female in the last 12 months	102	42, 41.18	1.16	0.25	0.77 – 1.76	0.51	0.48
Received payment for sex in the last 12 months	171	102, 59.65	2.86	0.48	2.06 – 3.97	40.62	<0.0001
Age at first sex with male <25 ≥ 25	3648 75	1260, 34.54 33,44.00	1.08	0.01	1.06 – 1.09	54.12	<0.0001
Ever experienced being an oral receiver	2734	988, 34.93	1.03	0.08	0.88 – 1.20	0.12	0.73
Ever experienced being an oral inserter	2885	1048, 36.33	1.37	0.12	1.16 – 1.62	13.85	0.0002
Ever experienced being an anal receiver	2569	875, 34.06	0.90	0.07	0.78 – 1.04	1.96	0.17
Ever experienced being an anal inserter	2532	943, 37.24	1.41	0.11	1.22 – 1.64	21.11	<0.0001
Type of sexual act during the last time had sex with male Oral sex Anal sex Both oral and anal sex	791 234 2659	283, 35.78 86, 36.75 916, 34.45	1.06 1.11 1.0 <sup>R</sup>	0.90 0.16	0.90 – 1.25 0.84 – 1.46	0.86	0.65
Oral sex Oral inserter Oral receiver Both inserter and receiver	1262 1387 1025	461, 36.53 422, 30.43 395, 38.54	0.92 0.70	0.08 0.06	0.77 – 1.09 0.59 – 0.83	19.81	<0.0001
Anal sex Anal inserter Anal receiver Both top and bottom	1299 1676 742	487, 37.49 540, 32.22 268, 36.12	1.06 0.84 1.0 <sup>R</sup>	0.10 0.78 --	0.88 – 1.23 0.70 - 1.01	9.64	0.008
Used lubricant during last anal sex with male	2194	874, 39.84	1.74	0.13	1.51 – 2.00	7.66	<0.0001
Ejaculation happened inside the anus	1780	469, 26.35	0.96	0.01	0.93 – 0.99	7.69	0.006
# of male sex partners in the past 12 months ≤1 ≥2	601 2992	195, 32.45 1052, 35.16	1.12	0.11	0.94 - 1.36	1.64	0.2001
# of partners who they had sex with more than once in the past 12 months ≤1 ≥2	1601 1888	519, 32.42 699, 37.02	1.23	0.09	1.07 – 1.41	8.11	0.004
# of anal sex acts in a month							

Description	N (N=610 7)	Condom Use n, %	UOR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
$\leq 1$ $\geq 2$	1234 1840	403, 32.66 665, 36.14	1.00	0.0001	1.00 – 1.00	0.21	0.65
Type of anal sex with a male they had sex more than once							
Anal inserter	807	329, 40.77	1.15	0.12	0.93 – 1.42	19.51	0.0001
Anal receiver	1465	466, 31.81	0.78	0.77	0.64 – 0.95		
Both top and bottom	649	243, 37.44	1.0 <sup>R</sup>	--	--		
Type of anal sex with a male they had sex more than once							
Anal inserter	875	337, 38.51	1.06	0.11	0.86 – 1.31	11.29	0.0035
Anal receiver	1471	473, 32.15	0.80	0.08	0.66 – 0.97		
Both top and bottom	632	235, 37.18	1.0 <sup>R</sup>	--	--		
Age first bought sex							
< 25	1249	416, 33.31	1.04	0.06	0.92 – 1.17	2.44	0.122
$\geq 25$	148	53, 35.81					
Paid a male partner in the past 12 months	1166	401, 34.39	1.25	0.18	0.94 – 1.66	2.44	0.12
# of paid male sex partners in the past 12 months							
$\leq 1$	173	48, 27.75	1.43	0.26	1.00 – 2.03	3.96	0.047
$\geq 2$	1040	368, 35.38					
# of paid male sex partners in the past 30 days							
$\leq 1$	690	219, 31.74	1.28	0.15	1.02 – 1.62	4.35	0.04
$\geq 2$	562	210, 37.37					
Type of sex during the last time they had sex with a paid male partner							
Oral sex	308	101, 32.79	1.02	0.14	0.78 – 1.35	8.13	0.04
Anal sex	124	56, 45.16	1.72	0.33	1.18 – 2.52		
Both oral and anal sex	935	302, 32.30	1.0 <sup>R</sup>	--	--		
Type of anal sex with a paid male							
Anal inserter	91	29, 31.87	1.18	0.31	0.71 – 1.96	7.15	0.07
Anal receiver	827	299, 36.15	1.42	0.21	1.06 – 1.91		
Both top and bottom	288	82, 28.47	1.0 <sup>R</sup>	--	--		
Used lubricant during last anal sex with a paid male sex partner	796	301, 37.81	1.66	0.21	1.28 – 2.13	15.47	0.0001
# of anal sex acts per paid partner in a month							

Description	N (N=610 7)	Condom Use n, %	UOR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
$\leq 1$ $\geq 2$	518 671	188, 36.29 224, 33.38	0.88	0.11	0.69 – 1.12	1.09	0.296
Age first accepted payment for sex <25 $\geq 25$	1819 101	628, 34.52 36, 35.64	1.01	0.07	0.88 – 1.17	0.5	0.82
Sex of first client to whom they accepted payment in exchange for sex, Male female	1893 38	646, 34.13 19, 50.00	1.93	0.63	1.01 – 3.67	3.95	0.05
# of paying male sex partners in past 12 months	1343	510, 37.97	1.68	0.22	1.30 – 2.16	16.67	<0.0001
Type of sex with a paying male partner Oral sex Anal sex Both oral and anal sex	469 132 1306	154, 32.84 48, 36.36 455, 34.84	0.91 1.07 1.0 <sup>R</sup>	0.10 0.20 --	0.73 – 1.14 0.74 – 1.55 --	0.85	0.66
Type of oral sex with a paying male partner Oral inserter Oral receiver Both inserter and receiver	970 473 431	364, 37.53 125, 26.43 11, 22.92	1.03 0.61 1.0 <sup>R</sup>	0.12 0.09	0.81 – 1.30 0.46 – 0.82	22.22	0.0001
Type of anal sex with a paying male partner Anal inserter Anal receiver Both top and bottom	925 462 339	356, 38.49 134, 29.00 116, 34.22	1.20 0.79 1.0 <sup>R</sup>	1.20 0.79 --	0.93 – 1.56 0.58 – 1.06 --	16.89	0.0007
Used lubricant during last sex with a paying male sex partner	936	383, 40.92	1.77	0.19	1.45 – 2.16	31.43	<0.0001
Last paying partner is a foreigner	215	78, 36.28	1.11	0.17	0.83 – 1.50	0.53	0.46
Ever participated in group sex of orgy	586	224, 38.23	1.18	0.11	0.99 – 1.42	3.29	0.07
Participated in group sex or orgy in the past 12 months	366	126, 34.43	0.89	0.12	0.68 – 1.17	0.68	0.41
Had sex while under the influence of alcohol in the past 12 months	2418	799, 33.04	0.79	0.06	0.68 – 0.91	10.57	0.001
Respondent look like a female	1024	306, 29.88	0.72	0.06	0.62 – 0.85	16.92	<0.0001
Take or inject hormones in the past 12 months Drink hormones Inject hormones	59 567	18, 30.51 161, 28.40	1.0 <sup>R</sup> 1.11	0.33	0.62 – 1.98	15.47	0.0015

Description	N (N=610 7)	Condom Use n, %	UOR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
Circumcision	3537	1249, 35.31	1.73	0.36	1.15 – 2.60	7.39	0.007
Sexual reassignment surgery	46	16, 34.78	0.98	0.31	0.54- 1.81	0.10	0.96
Knowledge about infection that can be transmitted thru sexual contact	3369	1238, 36.78	2.96	0.45	2.19 – 4.00	61.18	<0.0001
Knowledge about symptoms of STI they know							
I don't know any	615	149, 24.23	1.0 <sup>R</sup>	--	--	43.79	0.0093
Discharge	1989	740, 37.20	2.61	0.56	1.72 – 3.96		
Ulcer/sore	110	50, 45.45	1.88	0.52	1.10 – 3.22		
Wart	64	24, 37.50	1.77	0.22	1.40 – 2.25		
Pain/inflammation	710	257, 36.20	1.14	0.67	0.36 – 3.62		
Other	124	45, 36.29	1.78	0.37	1.18 – 2.68		
Unusual genital discharge in the past 12 months	172	51, 29.65	0.77	0.13	0.55 – 1.08	2.32	0.13
Genital ulcer or sore in the past 12 months	63	19, 30.16	0.81	0.22	0.47 – 1.38	0.66	0.42
Genital warts in the past 12 months	17	7, 41.18	1.30	0.64	0.49 – 3.42	0.28	0.60
Completed medications prescribed	83	34, 40.96	1.09	0.05	0.99 – 1.20	2.93	0.09
Knowledge: Do you know what HIV is?	3307	1214, 36.71	2.37	0.31	1.83 – 3.07	49.4	<0.0001
Knowledge: Can HIV be prevented?	3286	1207, 36.73	2.35	0.30	1.83 – 3.02	49.83	<0.0001
Knowledge: Can a healthy looking person have HIV?	3015	1130, 37.48	1.92	0.19	1.69 – 2.33	47.76	<0.0001
Knowledge: Can using condoms reduce the risk of HIV transmission?	3192	1192, 37.34	2.47	0.29	1.96 – 3.12	66.10	<0.0001
Knowledge: Can a person get HIV by using toilet bowls/ urinal sin public places?	972	269, 27.67	0.64	0.05	0.54 – 0.75	30.82	<0.0001
Can having sex with only one faithful uninfected partner reduce the risk of HIV transmission?	2924	1107, 37.86	1.98	0.18	1.64 – 2.37	57.41	<0.0001
Can a person get HIV by sharing food with someone who is infected with HIV?	1047	291, 27.79	0.64	0.05	0.54 – 0.74	33.43	<0.0001
Do you feel that you yourself are at risk of HIV infection?	2481	849, 34.22	0.91	0.67	0.79 – 1.05	1.67	0.20
Ever been tested for HIV	588	252, 42.86	1.49	0.14	1.25 – 1.79	18.78	<0.0001
Underwent voluntary HIV testing	449	180, 40.09	1.41	0.27	0.96 – 2.07	3.13	0.08
Attended a seminar or meeting or a discussion conducted by the social hygiene clinic/ city health office about prevention of STI and HIV	772	318, 41.19	1.41	0.12	1.19 – 1.65	16.28	0.0001
Received free condoms from the social hygiene	1040	453, 43.56	1.67	0.13	1.44 – 1.93	46.15	<0.0001

Description	N (N=610 7)	Condom Use n, %	UOR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>clinic/ city health office in the past 12 months</b>							
Received free lubricants from the social hygiene clinic/ city health office in the past 12 months	163	81, 49.69	1.90	0.30	1.38 – 2.60	15.60	0.0001
Approached by someone from the Social Hygiene Clinic/ City Health Office to talk about how to prevent HIV transmission when injecting drugs	569	229, 40.25	1.31	0.12	1.09 – 1.57	8.26	0.0041
Visited or consulted hospital for possible STI in the past 12 months	265	129, 48.68	1.85	0.24	1.43 – 2.38	22.58	<0.0001
Knowledge that there are STI services for males at the Social Hygiene Clinic / City Health Office	1486	596, 40.11	1.45	0.10	1.26 – 1.66	27.92	<0.0001
Comfortable to go to Social Hygiene Clinic for STI consultation	2483	925, 37.25	1.36	0.10	1.17 – 1.58	16.89	<0.0001
Comfortable to go to Social Hygiene Clinic for HIV testing	2539	941, 37.06	1.35	0.10	1.16 – 1.58	15.72	0.0001
Visited or consulted the Social Hygiene Clinic / City Health Office in the past 12 months	495	196, 39.60	1.25	0.12	1.03 – 1.52	5.07	0.02
<b>Current sexual identity</b>							
Bakla	1532	516, 33.68	0.88	0.07	0.75 – 1.04	13.67	0.018
Homosexual	387	120, 31.01	0.78	0.10	0.61 – 1.00		
Bisexual	617	236, 38.25	1.08	0.11	0.88 – 1.32		
Female	129	39, 30.23	0.75	0.15	0.51 – 1.12		
Male	1005	367, 36.52	1.0 <sup>R</sup>	--	--		
Others	25	14, 56.00	2.21	0.90	0.99 – 4.92		
<b>Sexual preference</b>							
Male	2378	818, 34.40	0.99	0.08	0.84 – 1.17	3.74	0.15
Female	816	282, 34.56	1.0 <sup>R</sup>	--	--		
Both Male and Female	477	186, 38.99	1.21	0.14	0.96 – 1.53		
<b>With syphilis</b>	63	19, 30.16	0.81	0.22	0.47 – 1.39	0.61	0.43
<b>Tested for HIV and know results</b>	201	110, 54.73	2.37	0.35	1.78 – 3.15	34.69	<0.0001

Annex C. Simple Logistic Regression of Factors Associated with Access to Social Hygiene Clinics among MSM in the Philippines, 2011

Description	N (N=5990)	Access to Social Hygiene Clinics n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>city (<math>\geq 2\%</math> HIV prevalence rate)</b>	1934	389, 20.11	1.21	0.08	1.05 – 1.38	6.96(1)	0.008
<b>Age</b>							
<18	799	73, 9.14	0.35	0.047	0.27 – 0.46	73.46(2)	<0.0001
18 – 24	2934	520, 17.72	0.76	0.05	0.66 – 0.88		
> 25	2257	497, 22.02	1.0 <sup>R</sup>				
<b>Civil status</b>							
Single	5570	1024, 18.38	1.0 <sup>R</sup>			2.09(2)	0.35
Married	313	52, 16.61	0.88	0.14	0.65 – 1.2		
Separated/ widowed	50	6, 12.00	0.61	0.26	0.26 – 1.42		
<b>Currently living with a partner</b>	1242	285, 22.95	1.44	0.11	1.24 – 1.68	21.12(1)	<0.0001
<b>Sex of current live-in partner , male</b>	504	105, 20.83	1.14	0.16	0.87 – 1.51	0.92(1)	0.34
<b>Education</b>							
No grade completed	85	22, 25.88	1.47	0.38	0.89 – 2.43	17.13(3)	0.0007
Elementary	954	133, 13.94	0.68	0.08	0.55 – 0.85		
High school	3235	606, 18.73	0.97	0.07	0.84 – 1.13		
College	1702	326, 19.15	1.0 <sup>R</sup>				
<b>Received payment for sex in the last 12 months</b>	318	129, 40.57	3.66	0.47	2.85 – 4.70	96.88(1)	<0.0001
<b>Age at first sex with male</b>							
<18	3889	683, 17.56	1.0 <sup>R</sup>			3.47(2)	0.18
18 – 24	1921	376, 19.57	1.14	0.08	0.99 – 1.31		
> 25	168	30, 17.86	1.02	0.21	0.68 – 1.53		
<b>Ever experienced being an oral receiver</b>	3764	695, 18.46	1.04	0.07	0.91 – 1.19	0.35(1)	0.55
<b>Ever experienced being an oral inserter</b>	4678	850, 18.17	0.98	0.07	0.84 – 1.15	0.04(1)	0.85
<b>Ever experienced being an anal receiver</b>	2867	579, 20.20	1.29	0.09	1.13 – 1.47	14.34(1)	0.0002
<b>Ever experienced being an anal inserter</b>	2992	603, 20.15	1.30	0.09	1.14 – 1.48	15.11(1)	0.0001
<b>Type of sexual act during the last time had sex with male</b>							
Oral sex	2818	498, 17.67	0.92	0.06	0.81 – 1.05	1.45(2)	0.48
Anal sex	265	50, 18.87	1.00	0.16	0.72 – 1.38		
Both oral and anal sex	2790	527, 18.89	1.0 <sup>R</sup>				
<b>Ejaculation happened inside the anus</b>	1933	382, 19.76	0.92	0.018	0.88 – 0.95	22.19(1)	<0.0001



Description	N (N=599 0)	Access to Social Hygiene Clinics n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b># of male sex partners in the past 12 months</b>							
0	450	101, 22.44	1.0 <sup>R</sup>				
1	799	143, 17.90	0.75	0.11	0.57 – 1.00	9.78(4)	0.04
2 – 5	2020	361, 17.87	0.75	0.10	0.58 – 0.96		
6 – 10	1090	195, 17.89	0.75	0.10	0.57 -0.99		
> 10	1276	268, 21.00	0.92	0.12	0.71 – 1.19		
<b># of one time sex partners in past 30 days</b>							
0	856	168, 19.63	1.0 <sup>R</sup>				
1	1698	323, 19.02	0.96	0.10	0.78 – 1.18	0.94 (4)	0.92
2 – 5	1067	205, 19.21	0.97	0.11	0.78 – 1.22		
6 – 10	158	27, 17.09	0.84	0.19	0.54 – 1.32		
> 10	44	10, 22.73	1.20	0.44	0.58 – 2.49		
<b># of anal sex acts in a month</b>							
0	323	52, 16.10	1.0 <sup>R</sup>				
1	1131	214, 18.92	1.22	0.21	0.87 – 1.70	15.96(4)	0.0031
2 – 5	1625	348, 21.42	1.42	0.23	1.03 – 1.95		
6 – 10	260	57, 21.92	1.46	0.31	0.96 – 2.22		
> 10	2074	348, 16.78	1.05	0.17	0.76 – 1.44		
<b>Type of anal sex with a male they had sex more than once</b>							
Anal inserter	998	180, 18.04	0.87	0.11	0.68 – 1.12	5.38(2)	0.07
Anal receiver	1584	345, 21.78	1.11	0.13	0.88 – 1.38		
Both top and bottom	666	134, 20.12	1.0 <sup>R</sup>				
<b>Used condom during the last anal with male to who they had sex more than once</b>	1144	262, 22.90	1.29	0.12	1.08 – 1.54	7.81(1)	0.0052
<b>Type of anal sex with a male they had sex more than once</b>							
Anal inserter	1065	188, 17.65	0.88	0.11	0.69 – 1.13	5.34(2)	0.07
Anal receiver	1584	337, 21.28	1.11	0.13	0.89 – 1.40		
Both top and bottom	650	127, 19.54	1.0 <sup>R</sup>				
<b>Used condom during the last anal with male to</b>	1171	274, 23.40	1.40	0.13	1.17 – 1.67	13.92(1)	0.0002

Description	N (N=599 0)	Access to Social Hygiene Clinics n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>who they had sex once</b>							
<b>Age first bought sex</b>							
<18	559	104, 18.60	0.71	0.13	0.49 – 1.02	13.67(3)	0.003
18 – 24	1077	226, 20.98	0.82	0.14	0.59 – 1.14		
> 25	243	59, 24.38	1.0 <sup>R</sup>				
<b>Paid a male partner in the past 12 months</b>	1556	331, 21.27	1.15	0.16	0.88 – 1.51	1.05(1)	0.30
<b># of paid male sex partners in the past 12 months</b>							
0	27	7, 25.93	1.0 <sup>R</sup>			6.07(4)	0.19
1	236	41, 17.37	0.60	0.28	0.24 – 1.51		
2 – 5	635	151, 23.78	0.89	0.40	0.37 – 2.15		
6 – 10	342	75, 21.93	0.80	0.37	0.33 – 1.97		
> 10	377	72, 19.10	0.67	0.31	0.27 – 1.66		
<b>Type of sex during the last time they had sex with a paid male partner</b>							
Oral sex	735	135, 18.37	0.75	0.09	0.59 – 0.96	6.69(3)	0.08
Anal sex	134	25, 18.66	0.77	0.18	0.49 – 1.21		
Both oral and anal sex	970	223, 22.99	1.0 <sup>R</sup>				
<b>Type of anal sex with a paid male</b>							
Anal inserter	109	23, 21.10	0.80	0.21	0.47 – 1.35	7.09(3)	0.07
Anal receiver	892	192, 21.52	0.82	0.13	0.60 – 1.11		
Both top and bottom	302	76, 25.17	1.0 <sup>R</sup>				
<b># of anal sex acts per paid partner in a month</b>							
0	45	16, 35.56	1.0 <sup>R</sup>			23.79(4)	0.0001
1	533	88, 16.51	0.36	0.12	0.19 – 0.69		
2 – 5	632	162, 25.63	0.62	0.20	0.33 – 1.18		
6 – 10	54	19, 35.19	0.98	0.42	0.43 – 2.25		
> 10	19	5, 26.32	0.65	0.39	0.20 – 2.12		
<b>Age first accepted payment for sex</b>							
<18	1527	274, 17.94	1.0 <sup>R</sup>			16.24(2)	0.0003
18 – 24	1503	347, 23.09	1.37	0.12	1.15 – 1.64		
> 25	166	45, 27.11	1.70	0.32	1.18 – 2.45		
<b># of paying male sex partners in past 12 months</b>							
0	55	17, 30.91	1.0 <sup>R</sup>				

Description	N (N=599 0)	Access to Social Hygiene Clinics n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>1</b>	626	104, 16.61	0.45	0.14	0.24 – 0.82	15.51(4)	0.0038
<b>2 – 5</b>	1333	278, 20.86	0.59	0.18	0.33 – 1.06		
<b>6 – 10</b>	477	120, 25.16	0.75	0.23	0.41 – 1.38		
<b>&gt; 10</b>	390	78, 20.00	0.56	0.18	0.30 – 1.04		
<b># of paying male partners in the past 30 days</b>						0.92(4)	0.92
<b>0</b>	1238	251, 20.27	1.0 <sup>R</sup>				
<b>1</b>	725	152, 20.97	1.04	0.12	0.83 – 1.31		
<b>2 – 5</b>	776	168, 21.65	1.09	0.12	0.87- 1.34		
<b>6 – 10</b>	121	23, 19.01	0.92	0.22	0.57 – 1.48		
<b>&gt; 10</b>	39	9, 23.08	1.28	0.46	0.55 – 2.51		
<b>Type of sex with a paying male partner</b>						6.5(2)	0.04
<b>Oral sex</b>	1616	321, 19.86	0.94	0.08	0.79 – 1.12		
<b>Anal sex</b>	148	43, 29.05	1.55	0.30	1.06 – 2.26		
<b>Both oral and anal sex</b>	1413	295, 20.88	1.0 <sup>R</sup>				
<b>Type of oral sex with a paying male partner</b>						15.05(3)	0.002
<b>Oral inserter</b>	2012	384, 19.09	1.00	0.13	0.78 – 1.28		
<b>Oral receiver</b>	620	157, 25.32	1.44	0.21	1.08 – 1.91		
<b>Both inserter and receiver</b>	508	97, 19.09	1.0 <sup>R</sup>				
<b>Type of anal sex with a paying male partner</b>						26.04(3)	<0.0001
<b>Anal inserter</b>	508	148, 29.13	0.92	0.14	0.68 – 1.24		
<b>Anal receiver</b>	349	72, 20.63	1.58	0.26	1.15 – 2.18		
<b>Both top and bottom</b>	1204	229, 18.27	1.0 <sup>R</sup>				
<b>Last paying partner is a foreigner</b>	280	82, 29.29	1.71	0.24	1.30 – 2.24	13.83(1)	0.0002
<b>Ever participated in group sex or orgy</b>	768	152, 19.79	1.12	0.11	0.93 – 1.36	1.37(1)	0.24
<b>Participated in group sex or orgy in the past 12</b>	449	90, 20.04	1.00	0.14	0.75 – 1.33	0.00(1)	0.99

Description	N (N=599 0)	Access to Social Hygiene Clinics n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
months							
Number of times participated in group sex in the past 12 months							
0	9	3, 33.33	1.0 <sup>R</sup>				
1	193	33, 17.10	0.41	0.30	0.10 – 1.73	2.74(4)	0.60
2 – 5	225	48, 21.33	0.54	0.39	0.13 – 2.25		
6 – 10	15	3, 20.00	0.50	0.48	0.08 – 3.27		
> 10	10	3, 30.00	0.86	0.85	0.12 – 5.94		
Had sex while under the influence of alcohol in the past 12 months	3710	735, 19.81	1.34	0.20	1.16 – 1.54		
Used condom during last sex while under the influence of alcohol	941	216, 22.95	0.97	0.01	0.96 – 0.99	8.74(1)	0.0031
Used drugs in the past 12 months	716	161, 22.49	1.17	0.16	0.90 – 1.53	1.35(1)	0.25
Respondent look like a female	1309	272, 20.78	1.23	0.10	1.05 – 1.43	6.81(1)	0.009
Circumcision	5706	1043, 18.28	1.05	0.19	0.74 – 1.5	0.08(1)	0.77
Sexual reassignment surgery	72	15, 20.83	1.18	0.34	0.47 – 2.09	0.31(1)	0.58
Knowledge about infection that can be transmitted thru sexual contact	5440	994, 18.27	1.02	0.12	0.81 – 1.28	0.02(1)	0.88
Knowledge about symptoms of STI they know							
I don't know any	1122	155, 13.81	1.0 <sup>R</sup>			36.02(6)	<0.0001
Discharge	3230	653, 20.22	1.58	0.15	1.31 – 1.91		
Ulcer/sore	180	38, 21.11	1.67	0.34	1.12 – 2.48		
Wart	104	16, 15.38	1.13	0.32	0.65 – 1.98		
Pain/inflammation	1021	159, 15.57	1.15	0.14	0.91 – 1.46		
Other	183	46, 25.14	2.09	0.83	1.44 – 3.05		
Unusual genital discharge in the past 12 months	245	102, 41.63	3.40	0.46	2.61 -4.42	75.01(1)	<0.0001
Genital ulcer or sore in the past 12 months	96	28, 19.17	1.85	0.42	1.19 – 2.89	6.72(1)	0.01
Genital warts in the past 12 months	21	9, 42.86	3.37	1.49	1.42 – 8.01	6.76(1)	0.009
Completed medications prescribed	112	66, 58.93	0.89	0.04	0.82 – 0.98	6.38(1)	0.01
Knowledge: Do you know what HIV is?	5300	1036, 19.55	2.90	0.43	2.17 – 3.87	67.8(1)	<0.0001
Knowledge: Can HIV be prevented?	5315	1029, 19.36	2.56	0.37	1.93 – 3.30	53.04(1)	<0.0001
Knowledge: Can a healthy looking person have	4794	940, 19.61	1.69	0.16	1.40 – 2.04	33.10(1)	<0.0001

Description	N (N=5990)	Access to Social Hygiene Clinics n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>HIV?</b>							
<b>Knowledge: Can a person get HIV from mosquito bites?</b>	1810	238, 13.15	0.59	0.05	0.51 – 0.69	46.63(1)	<0.0001
<b>Knowledge: Can using condoms reduce the risk of HIV transmission?</b>	5125	983, 19.18	1.73	0.19	1.38 – 2.15	26.34(1)	<0.0001
<b>Knowledge: Can a person get HIV by using toilet bowls/ urinal sin public places?</b>	1570	187, 11.91	0.53	0.05	0.44 – 0.63	60.99(1)	<0.0001
<b>Knowledge: Can the sharing of needles after an HIV infected person had used it increase the risk of HIV infection?</b>	5160	1013, 19.63	2.44	0.31	1.90 – 3.12	60.28(1)	<0.0001
<b>Can having sex with only one faithful uninfected partner reduce the risk of HIV transmission?</b>	4710	846, 17.96	0.92	0.07	0.79 – 1.08	0.92(1)	0.34
<b>Can a person get HIV by sharing food with someone who is infected with HIV?</b>	1654	206, 12.45	0.55	0.05	0.47 – 0.65	54.22(1)	<0.0001
<b>Do you feel that you yourself are at risk of HIV infection?</b>	3772	654, 17.34	0.86	0.06	0.75 – 0.98	4.92(1)	0.03
<b>Why do you feel that you are at risk of HIV infection?</b>							
<b>I already have HIV</b>	7	3, 42.86	1.0 <sup>R</sup>				
<b>Had sex with and HIV + partner</b>	112	23, 20.54	0.35	0.28	0.07 – 1.65	17.04(4)	0.002
<b>Many sex partners</b>	2294	359, 15.65	0.25	0.19	0.06 – 1.11		
<b>Do not always use condoms</b>	1180	244, 20.68	0.35	0.27	0.08 – 1.56		
<b>Sharing needles (IDU)</b>	5	0	--				
<b>Others</b>	105	21, 20.00	0.33	0.27	0.07 – 1.61		
<b>Why do you feel that you are NOT at risk of HIV infection?</b>							
<b>Only have one partner</b>	435	63, 14.48	1.0 <sup>R</sup>			20.25(4)	0.0004
<b>Always used condoms</b>	406	95, 23.40	1.80	0.32	1.27 – 2.57		
<b>Convinced partner “clean”, no infection</b>	1000	225, 22.50	1.71	0.27	1.26 – 2.33		
<b>Never share needles</b>	120	24, 20.00	1.48	0.39	0.88 – 2.49		

Description	N (N=5990)	Access to Social Hygiene Clinics n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
Others	151	20, 13.25	0.90	0.25	0.52 – 1.55		
Ever been tested for HIV	839	512, 61.03	12.37	1.03	10.50 – 14.57	941.9(1)	<0.0001
Reason for not having HIV test							
Afraid to get tested	1437	265, 18.44	1.0 <sup>R</sup>				
Feels no need to get tested	1304	146, 11.20	0.56	0.06	0.45 – 0.69	99.67(5)	<0.0001
Do not know where to get tested	1204	82, 6.81	0.32	0.04	0.25 – 0.42		
Testing facility too far	40	6, 15.00	0.78	0.35	0.32 – 1.89		
No money for testing	284	16, 5.63	0.26	0.07	0.16 – 0.44		
Others	124	14, 11.29	0.56	0.16	0.32 – 0.997		
Underwent voluntary HIV testing	624	395, 63.30	0.75	0.12	0.54 – 1.02	3.38(1)	0.07
Knowledge that there are STI services for males at the Social Hygiene Clinic / City Health Office	2254	841, 37.31	8.52	0.68	7.29 – 9.96	883.3(1)	<0.0001
Comfortable to go to Social Hygiene Clinic for STI consultation	4003	980, 24.48	5.91	0.64	4.78 – 7.31	391.1(1)	<0.0001
Comfortable to go to Social Hygiene Clinic for HIV testing	4075	1008, 24.74	8.40	1.06	6.56 – 10.76	477.0(1)	<0.001
Current sexual identity							
Bakla	2162	432, 19.98	1.0 <sup>R</sup>				
Homosexual	518	80, 15.44	1.21	0.09	1.04 – 1.40	9.25(4)	0.055
Bisexual	846	159, 18.79	0.88	0.12	0.68 – 1.15		
Female	165	28, 16.97	1.12	0.12	0.91 – 1.37		
Male	2249	386, 17.16	0.99	0.21	0.65 – 1.50		
Others	33	--					
Sexual preference							
Male	3301	622, 18.84	1.09	0.08	0.94 – 1.27	1.96(2)	0.38
Female	1873	328, 17.51	1.0 <sup>R</sup>				
Both Male and Female	753	130, 17.26	0.98	0.11	0.79 – 1.22		
With syphilis	86	21, 24.42	1.46	0.37	0.89 – 2.40	2.10(1)	0.15

Annex D. Simple Logistic Regression of Factors Associated with HIV Testing among MSM in the Philippines, 2011

Description	N (N=603 2)	Tested for HIV n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>city (<math>\geq 2\%</math> HIV prevalence rate)</b>	1944	363, 18.67	1.74	0.13	1.50 – 2.02	52.22(1)	<0.0001
<b>Age</b>							
<18	804	34, 4.23	0.17	0.03	0.12 – 0.25	165.7(2)	<0.0001
18 – 24	2956	344, 11.64	0.52	0.04	0.44 – 0.60		
> 25	2272	461, 20.29	1.0 <sup>R</sup>				
<b>Civil status</b>							
Single	5611	792, 14.12	1.0 <sup>R</sup>			3.53(2)	0.17
Married	314	36, 11.46	0.79	0.14	0.55 – 1.12		
Separated/ widowed	50	4, 8.00	0.53	0.28	0.19 – 1.47		
<b>Currently living with a partner</b>	1250	213, 17.04	1.35	0.12	1.14 – 1.60	11.65(1)	0.0006
<b>Sex of current live-in partner , male</b>	509	102, 20.04	0.71	0.11	0.52 – 0.95	5.31(1)	0.02
<b>Education</b>							
No grade completed	85	6, 7.06	1.0 <sup>R</sup>			66.78(3)	<0.0001
Elementary	962	82, 8.52	0.32	0.14	0.14 – 0.75		
High school	3269	422, 12.94	0.40	0.05	0.31 – 0.51		
College	1711	325, 18.99	0.63	0.05	0.54 – 0.74		
<b>Worked outside the Philippines in the last 5 years</b>	187	65, 34.76	3.48	0.55	2.55 – 4.75	53.42(1)	<0.0001
<b>Ease of getting lubricants in the community</b>	2216	385, 17.37	1.52	0.11	1.31 – 1.76	30.06	<0.0001
<b>Knowledge of what a condom is</b>	5837	820, 14.05	1.63	0.45	0.96 – 2.79	3.67(1)	<0.06
<b>Ease of getting condoms in the community</b>	3860	610, 15.80	1.68	0.14	1.42 – 1.99	38.93(1)	<0.0001
<b>Bought his own condom</b>	2103	393, 18.69	1.80	0.14	1.55 – 2.09	59.77(1)	<0.0001
<b>Condom breakage in the past 12 months</b>	391	86, 21.99	0.89	0.01	0.87 – 0.92	106.5(1)	<0.0001
<b>Age when condom was first used during sex</b>							
<18	1452	186, 12.81	1.0 <sup>R</sup>			47.45(2)	<0.0001
18 – 24	2182	398, 18.24	1.52	0.15	1.26 – 1.83		
> 25	347	97, 27.95	2.64	0.38	2.00 – 3.50		
<b>Age when first time had sex</b>							
<18	4383	585, 13.35	1.0 <sup>R</sup>			4.49(2)	0.11
18 – 24	1523	236, 15.50	1.19	0.10	1.01 – 1.40		
> 25	76	12, 15.79	1.22	0.39	0.65 – 2.27		
<b>Sex with female</b>	2744	343, 12.50	0.80	0.06	0.69 – 0.93	8.54(1)	0.004
<b># female sex partners in the past 12 months</b>							
0	546	95, 17.40	1.0 <sup>R</sup>				

Description	N (N=603 2)	Tested for HIV n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
1	854	88, 10.30	0.55	0.09	0.40 – 0.75	31.33(4)	<0.0001
2 – 5	1000	102, 10.20	0.54	0.08	0.40 – 0.73		
6 – 10	237	32, 13.50	0.74	0.16	0.48 – 1.14		
> 10	118	28, 23.73	1.48	0.36	0.92 – 2.38		
<b>Sex with girlfriend, wife or female live-in partners in the past 12 months</b>	1922	222, 11.55	0.98	0.03	0.94 – 1.03	0.44(1)	0.51
<b>Paid sex with a female in the last 12 months</b>	178	28, 15.73	1.52	0.33	0.99 – 2.32	3.39(1)	0.07
<b>Used condom the last time they had paid sex with a female</b>	139	32, 23.02	0.97	0.14	0.94 – 0.99	5.36(1)	0.02
<b>Received payment for sex in the last 12 months</b>	318	79, 24.84	2.66	0.38	2.01 – 3.54	41.42(1)	<0.0001
<b>Used condom the last time they accepted payment in exchange for sex from a female</b>	216	57, 26.39	0.93	0.01	0.91 – 0.96	24.0(1)	<0.0001
<b>Vaginal sex without using condoms in the last 12 months</b>	1494	156, 10.44	0.68	0.08	0.54 – 0.86	10.01(1)	0.0016
<b>Anal sex with female without using condoms in the last 12 months</b>	293	37, 12.63	1.00	0.19	0.69 – 1.45	0(1)	0.99
<b>Age at first sex with male</b>							
<18	3918	517, 13.20	1.0 <sup>R</sup>				
18 – 24	1934	289, 14.94	1.16	0.09	0.99 – 1.35	7.55(2)	0.02
> 25	168	33, 19.64	1.61	0.32	1.09 – 2.38		
<b>Ever experienced being an oral receiver</b>	3798	635, 16.72	1.99	0.17	1.68 – 2.35	70.06(1)	<0.0001
<b>Ever experienced being an oral inserter</b>	4706	636, 13.51	0.86	0.08	0.73 – 1.02	2.77(1)	0.10
<b>Ever experienced being an anal receiver</b>	2894	539, 18.62	2.16	0.17	1.86 – 2.51	103.3(1)	<0.0001
<b>Ever experienced being an anal inserter</b>	3012	456, 15.14	1.23	0.09	1.06 – 1.42	7.46(1)	0.006
<b>Oral sex with a male without using condoms in the past 12 months</b>	4608	657, 14.26	0.94	0.02	0.90 - 0.99	6.06(1)	0.01
<b>Anal sex with a male without using condoms in the past 12 months</b>	2838	440, 15.50	0.95	0.01	0.92 – 0.97	28.68	<0.0001
<b>Type of sexual act during the last time had sex with male</b>							
Oral sex	2834	347, 12.24	0.74	0.06	0.64 – 0.86	17.66(2)	0.0001
Anal sex	265	29, 10.94	0.65	0.13	0.44 – 0.97		
Both oral and anal sex	2815	447, 15.88	1.0 <sup>R</sup>				
<b>Oral sex Oral inserter</b>	2663	273, 10.25	0.55	0.05	0.46 – 0.67	55.58(4)	<0.0001



Description	N (N=603 2)	Tested for HIV n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
Oral receiver	2024	335, 16.55	0.96	0.09	0.80 – 1.16		
Both inserter and receiver	1236	1236, 211	1.0 <sup>R</sup>				
Used condom during the last oral sex with male	608	124, 20.39	1.68	0.18	1.36 – 2.08	21.32(1)	<0.0001
Anal sex							
Anal inserter	1491	184, 12.34	0.70	0.09	0.55 – 0.90	30.64(2)	<0.0001
Anal receiver	1843	357, 19.37	1.20	0.14	0.96 – 1.50		
Both top and bottom	786	131, 16.67	1.0 <sup>R</sup>				
Used condom during last anal sex with male	1418	290, 20.45	1.56	0.13	1.31 – 1.84	25.82(1)	<0.0001
Used lubricant during last anal sex with male	2415	460, 19.05	1.61	0.14	1.36 – 1.92	29.97(1)	<0.0001
Ejaculation happened inside the anus	1949	323, 16.57	0.94	0.18	0.90 – 0.98	11.85(1)	0.0006
# of male sex partners in the past 12 months							
0	448	64, 14.29	1.0 <sup>R</sup>				
1	803	118, 14.69	1.03	0.17	0.74 – 1.44	1.08(4)	0.90
2 – 5	2037	284, 13.94	0.97	0.15	0.73 – 1.30		
6 – 10	1096	159, 14.51	1.02	0.16	0.74 – 1.39		
> 10	1288	196, 15.22	1.08	0.17	0.79 – 1.46		
# of partners who they had sex with more than once in the past 12 months							
0	1400	186, 13.29	1.0 <sup>R</sup>				
1	1406	245, 17.43	1.38	0.15	1.12 – 1.69	11.34(4)	0.02
2 – 5	1707	237, 13.88	1.05	0.11	0.86 – 1.29		
6 – 10	575	82, 14.26	1.09	0.16	0.82 – 1.44		
> 10	354	50, 14.12	1.07	0.18	0.77 – 1.50		
# of male partners in the past 30 days							
0	1882	236, 12.54	1.0 <sup>R</sup>				
1	1434	228, 15.90	1.32	0.13	1.08 – 1.61	11.84(4)	0.02
2 – 5	1792	273, 15.23	1.25	0.12	1.04 – 1.51		
6 – 10	309	42, 13.59	1.10	0.20	0.77 – 1.56		
> 10	109	22, 20.18	1.76	0.44	1.08 – 2.87		

Description	N (N=603 2)	Tested for HIV n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b># of anal sex acts in a month</b>							
0	326	66, 20.25	1.0 <sup>R</sup>				
1	1139	181, 15.89	0.74	0.12	0.54 – 1.02	46.27(4)	<0.0001
2 – 5	1641	280, 17.06	0.81	0.12	0.60 – 1.09		
6 – 10	259	41, 15.83	0.74	0.16	0.48 – 1.14		
> 10	2079	220, 10.58	0.47	0.07	0.34 – 0.63		
<b>Type of anal sex with a male they had sex more than once</b>							
Anal inserter	1001	119, 11.89	0.68	0.10	0.52 – 0.90	29.29(2)	<0.0001
Anal receiver	1594	317, 19.89	1.26	0.15	0.99 – 1.59		
Both top and bottom	673	111, 16.49	1.0 <sup>R</sup>				
<b>Used condom during the last anal with male to who they had sex more than once</b>	1149	257, 22.37	1.81	0.17	1.50 – 2.18	38.53(1)	<0.0001
<b>Type of anal sex with a male they had sex more than once</b>							
Anal inserter	1067	128, 12.00	0.79	0.11	0.59 – 1.04	27.53(2)	<0.0001
Anal receiver	1597	310, 19.41	1.39	0.18	1.08 – 1.78		
Both top and bottom	656	97, 14.79	1.0 <sup>R</sup>				
<b>Used condom during the last anal with male to who they had sex once</b>	1176	251, 21.34	1.78	0.17	1.48 – 2.15	35.96(1)	<0.0001
<b>Age first bought sex</b>							
<18	562	83, 14.77	0.48	0.09	0.33 – 0.70	80.44(3)	<0.0001
18 – 24	1085	220, 20.28	0.71	0.12	0.51 – 0.98		
> 25	246	65, 26.42	1.0 <sup>R</sup>				
<b>Paid a male partner in the past 12 months</b>	1570	301, 19.17	0.98	0.14	0.75 – 1.29	0.03(1)	0.87
<b># of paid male sex partners in the past 12 months</b>							
0	27	9, 33.33	1.0 <sup>R</sup>				
1	237	48, 20.25	0.51	0.22	0.21 – 1.20	3.89(4)	0.42
2 – 5	642	116, 18.07	0.44	0.19	0.19 – 1.01		
6 – 10	344	69, 20.06	0.50	0.22	0.22 – 1.17		
> 10	379	75, 19.79	0.49	0.21	0.21 – 1.14		
<b>Type of sex during the last time they had sex with</b>							

Description	N (N=603 2)	Tested for HIV n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>a paid male partner</b>							
Oral sex	742	109, 14.69	0.59	0.08	0.21 – 55.24	18.23(3)	0.004
Anal sex	134	28, 20.90	0.91	0.21	0.46 – 0.76		
Both oral and anal sex	977	220, 22.52	1.0 <sup>R</sup>				
<b>Used lubricant during last anal sex with a paid male sex partner</b>	846	202, 23.88	1.46	0.21	1.11 – 1.92	7.35(1)	0.007
<b>Used condom during anal sex with last paid male sex partner</b>	456	116, 25.44	1.41	0.19	1.08 – 1.84	6.17(1)	0.01
<b>Age first accepted payment for sex</b>							
<18	1541	159, 10.32	1.0 <sup>R</sup>			42.98(2)	<0.0001
18 – 24	1503	245, 16.30	1.69	0.18	1.37 – 2.10		
> 25	166	44, 26.51	3.13	0.61	2.14 – 4.59		
<b># of paying male sex partners in past 12 months</b>							
0	55	6, 10.91	1.0 <sup>R</sup>			2.32(4)	0.68
1	626	75, 11.98	1.11	0.50	0.46 – 2.68		
2 – 5	1347	178, 13.21	1.24	0.55	0.53 – 2.95		
6 – 10	481	62, 12.89	1.21	0.55	0.50 – 2.94		
> 10	387	41, 10.59	0.97	0.45	0.39 – 2.40		
<b>Type of sex with a paying male partner</b>							
Oral sex	1619	194, 11.98	0.74	0.08	0.60 – 0.91	11.91(2)	0.003
Anal sex	148	29, 19.59	1.32	0.29	0.86 – 2.04		
Both oral and anal sex	1422	221, 15.54	1.0 <sup>R</sup>				
<b>Type of oral sex with a paying male partner</b>							
Oral inserter	2023	230, 11.37	0.70	0.10	0.53 – 0.92	30.62(3)	<0.0001
Oral receiver	620	120, 19.35	1.30	0.21	0.95 – 1.78		
Both inserter and receiver	514	80, 15.56	1.0 <sup>R</sup>	0.50	0.88 – 2.95		
<b>Type of anal sex with a paying male partner</b>							
Anal inserter	1123	136, 12.11	1.0 <sup>R</sup>			43.04(3)	<0.0001
Anal receiver	507	120, 23.67	0.93	0.17	0.65 – 1.34		
Both top and bottom	358	46, 12.85	2.10	0.40	1.45 – 3.05		
<b>Used lubricant during last sex with a paying male</b>	1043	181, 17.35	1.43	0.18	1.12 – 1.82	8.35(1)	0.0039

Description	N (N=603 2)	Tested for HIV n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>sex partner</b>							
<b>Used condom during last sex with a paying male sex partner</b>	726	147, 20.25	1.82	0.23	1.43 – 2.32	22.90(1)	<0.0001
<b>Last paying partner is a foreigner</b>	278	81, 29.14	2.98	0.43	2.25 – 3.94	50.91(1)	<0.0001
<b>Had sex in exchange for cash:</b>							
<b>All throughout the year</b>	413	60, 14.53	1.13	0.18	0.83 – 1.54	1.50(2)	0.47
<b>Selected times of the year</b>	1127	165, 14.64	1.14	0.13	0.91 – 1.42		
<b>As need arose only</b>	1610	211, 13.11	1.0 <sup>R</sup>				
<b>Ever participated in group sex of orgy</b>	771	163, 21.14	1.82	0.18	1.51 – 2.21	35.08(1)	<0.0001
<b>Participated in group sex or orgy in the past 12 months</b>	452	94, 20.80	1.25	0.18	0.94 – 1.66	2.33(1)	0.13
<b>Number of times participated in group sex in the past 12 months</b>							
<b>0</b>	11	3, 27.27	1.0 <sup>R</sup>			1.55(4)	0.82
<b>1</b>	192	29, 20.31	0.68	0.48	0.17 – 2.68		
<b>2 – 5</b>	226	49, 21.68	0.74	0.51	0.19 – 2.89		
<b>6 – 10</b>	15	2, 13.33	0.41	0.42	0.06 – 3.01		
<b>&gt; 10</b>	9	1, 11.11	0.33	0.42	0.03 – 3.92		
<b>Used lubricant during all group sex acts</b>							
<b>All sex acts</b>	184	34, 18.48	1.02	0.32	0.55 – 1.91	2.51(2)	0.28
<b>Some only, not all</b>	101	19, 18.81	1.46	0.38	0.88 – 2.42		
<b>Never used</b>	173	43, 24.86	1.0 <sup>R</sup>				
<b>Had sex while under the influence of alcohol in the past 12 months</b>	3727	544, 14.60	1.15	0.09	0.98 – 1.34	3.06(1)	0.08
<b>Used condom during last sex while under the influence of alcohol</b>	942	194, 20.59	0.99	0.009	0.97 – 1.01	1.13	0.28
<b>Used drugs in the past 12 months</b>	717	128, 17.85	0.93	9,13	0.71 – 1.23	0.24(1)	0.63
<b>Used condom during last sex while high on drugs</b>	70	26, 37.14	2.76	0.77	1.59 – 4.78	12.37(1)	0.0004
<b>Ever tried injecting drugs</b>	15	3, 20.00	1.12	0.73	0.32 – 4.03	0.03(1)	0.85
<b>Ever used a syringe or needle that has been used by another person</b>	8	0	--				
<b>Respondent look like a female</b>	1320	265, 20.08	1.81	0.15	1.54 – 2.12	49.45(1)	<0.0001
<b>Take or inject hormones in the past 12 months</b>							

Description	N (N=603 2)	Tested for HIV n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
Drink hormones	718	143, 19.92	1.0 <sup>R</sup>				
Inject hormones	90	27, 28.89	0.94	0.27	0.54 – 1.64	29.36	<0.0001
Circumcision	5741	808, 14.07	1.54	0.34	0.97 – 2.42	3.80(1)	0.051
Sexual reassignment surgery	72	21, 29.17	2.56	0.67	1.53 – 4.28	11.14(1)	0.0008
Knowledge about infection that can be transmitted thru sexual contact	5471	780, 14.26	1.42	0.21	1.07 – 1.89	6.32(1)	0.0119
Knowledge about symptoms of STI they know							
I don't know any	1141	89, 7.80	1.0 <sup>R</sup>				
Discharge	3256	493, 15.14	2.11	0.25	1.67 – 2.67	66.62(6)	<0.0001
Ulcer/sore	181	28, 15.47	2.16	0.50	1.37 – 3.41		
Wart	104	12, 11.54	1.54	0.50	0.81 – 2.92		
Pain/inflammation	1017	144, 14.16	1.95	0.28	1.47 – 1.58		
Other	184	6, 28.57	4.73	2.34	1.79 – 12.49		
Unusual genital discharge in the past 12 months	244	52, 21.31	1.71	0.28	1.25 – 2.35	10.17(1)	0.001
Genital ulcer or sore in the past 12 months	96	17, 17.71	1.33	0.36	0.78 – 2.26	1.05(1)	0.31
Genital warts in the past 12 months	21	6, 28.57	2.48	1.20	0.96 – 6.41	3.03(1)	0.08
Completed medications prescribed	112	33, 29.46	0.98	0.05	0.89 – 1.09	0.1(1)	0.75
Knowledge: Do you know what HIV is?	5344	804, 15.04	3.39	0.61	2.38 – 4.82	64.08(1)	<0.0001
Knowledge: Can HIV be prevented?	5353	792, 14.80	2.61	0.43	1.89 – 3.61	43.01(1)	<0.0001
Knowledge: Can a healthy looking person have HIV?	4833	720, 14.90	1.61	0.17	1.31 – 1.98	21.90(1)	<0.0001
Knowledge: Can a person get HIV from mosquito bites?	1826	215, 11.77	0.77	0.06	0.65 – 0.91	10.13(1)	0.002
Knowledge: Can using condoms reduce the risk of HIV transmission?	5159	750, 14.54	1.55	0.19	1.22 – 1.97	14.06	0.0002
Knowledge: Can a person get HIV by using toilet bowls/ urinal sin public places?	1595	163, 10.22	0.63	0.06	0.53 – 0.76	26.16(1)	<0.0001
Knowledge: Can the sharing of needles after an HIV infected person had used it increase the risk of HIV infection?	5201	781, 15.02	2.39	0.34	1.81 – 3.17	45.51(1)	<0.0001

Description	N (N=603 2)	Tested for HIV n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
Can having sex with only one faithful uninfected partner reduce the risk of HIV transmission?	4744	699, 14.73	1.42	0.14	1.17 – 1.72	13.15(1)	0.0003
Can a person get HIV by sharing food with someone who is infected with HIV?	1684	166, 9.86	0.60	0.05	0.50 – 0.72	33.69(1)	<0.0001
Do you feel that you yourself are at risk of HIV infection?	3807	549, 14.42	1.13	0.09	0.97 – 1.32	2.37(1)	0.124
Attended a seminar or meeting or a discussion conducted by the social hygiene clinic/ city health office about prevention of STI and HIV	1185	400, 33.76	5.12	0.41	4.38 – 5.98	404.1(1)	<0.0001
Received free condoms from the social hygiene clinic/ city health office in the past 12 months	1589	484, 30.46	5.06	0.40	4.34 – 5.89	436.5(1)	<0.0001
Received free lubricants from the social hygiene clinic/ city health office in the past 12 months	214	74, 34.58	3.45	0.52	2.60 – 4.66	60.39(1)	<0.0001
Approached by someone from the Social Hygiene Clinic/ City Health Office to talk about how to prevent HIV transmission when injecting drugs	905	289, 31.93	3.92	0.33	3.31 – 4.62	237.9(1)	<0.0001
Visited or consulted hospital for possible STI in the past 12 months	368	131, 35.60	3.88	0.45	3.09 – 4.87	118.6(1)	<0.0001
Knowledge that there are STI services for males at the Social Hygiene Clinic / City Health Office	2259	580, 25.68	4.76	0.39	4.06 – 5.56	406.9(1)	<0.0001
Comfortable to go to Social Hygiene Clinic for STI consultation	4006	707, 17.65	3.17	0.32	2.60 – 3.87	158.4(1)	<0.0001
Comfortable to go to Social Hygiene Clinic for HIV testing	4076	727, 17.84	3.49	0.37	2.83 – 4.30	177.1(1)	<0.0001
Visited or consulted the Social Hygiene Clinic / City Health Office in the past 12 months	823	271, 32.93	4.01	0.35	3.39 – 4.76	233.4(1)	<0.0001
Current sexual identity							
Bakla	2174	347, 15.96	2.01	0.19	1.66- 2.42	94.03	<0.0001
Homosexual	522	101, 19.35	2.53	0.34	1.95 – 3.29		
Bisexual	857	158, 18.44	2.39	0.28	1.90 – 2.99		
Female	168	30, 17.86	2.30	0.49	1.51 – 3.50		

Description	N (N=603 2)	Tested for HIV n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
Male	2254	195, 8.65	1.0 <sup>R</sup>				
Others	33	6, 18.18	2.35	1.07	0.96 – 5.75		
<b>Sexual preference</b>							
Male	3334	535, 16.05	1.78	0.16	1.45 – 2.12	43.25(2)	<0.0001
Female	1874	182, 9.71	1.0 <sup>R</sup>				
Both Male and Female			1.64	0.21	1.27 – 2.10		
<b>With syphilis</b>	87	17, 19.54	1.51	0.41	0.89 – 2.59	2.12(1)	<0.0001

Annex E. Simple Logistic Regression of Factors Associated with Multiple Male Sex Partners among MSM in the Philippines, 2011

Description	N (N=526 7)	Multiple MSM Sex Partners n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>city (<math>\geq 2\%</math> HIV prevalence rate)</b>	1755	1526, 86.95	1.33	0.11	1.13 – 1.57	11.94(1)	0.005
<b>Age</b>							
<18	724	597, 82.46	0.83	0.10	0.66 – 1.05	2.72(2)	0.26
18 – 24	2592	2199, 84.84	0.99	0.08	0.84 – 1.17		
> 25	1951	1657, 84.93	1.0 <sup>R</sup>				
<b>Civil status</b>							
Single	4942	4194, 84.86	1.0 <sup>R</sup>			6.31(2)	0.04
Married	237	188, 79.32	0.68	0.11	0.49 – 0.95		
Separated/ widowed	40	31, 77.50	0.61	0.23	0.29 – 1.29		
<b>Currently living with a partner</b>	1036	795, 76.74	0.51	0.04	0.43 – 0.60	57.52(1)	<0.0001
<b>Education</b>							
No grade completed	83	69, 83.13	0.91	0.28	0.51 – 1.65	21.19(3)	0.0001
Elementary	811	645, 79.53	0.72	0.08	0.58 – 0.90		
High school	2819	2432, 86.27	1.16	0.10	0.98 – 1.39		
College	1542	1301, 84.37	1.0 <sup>R</sup>				
<b>Worked outside the Philippines in the last 5 years</b>	173	151, 87.28	1.27	0.29	0.80 – 1.99	1.09(1)	0.30
<b>Ease of getting lubricants in the community</b>	1996	1763, 88.33					
<b>Knowledge of what a condom is</b>	5094	4319, 84.79	1.28	0.28	0.83 – 1.95	1.2(1)	0.27
<b>Ease of getting condoms in the community</b>	3355	2920, 87.03	1.57	0.12	1.34 – 1.83	31.7(1)	<0.0001
<b>Age when first time had sex</b>							
<18	3858	3313, 85.87	1.0 <sup>R</sup>			18.66(2)	0.0001
18 – 24	1301	1052, 80.86	0.70	0.06	0.59 – 0.82		
> 25	63	51, 80.95	0.70	0.23	0.37 – 1.32		
<b>Age at first sex with male</b>							
<18	3520	3056, 86.82	1.0 <sup>R</sup>			43.49(2)	<0.0001
18 – 24	1612	1295, 80.33	0.62	0.05	0.53 – 0.73		
> 25	125	93, 74.40	0.44	0.09	0.29 – 0.67		
<b>How they got male sex partners</b>							
Go to cruising sites	2512	2233, 88.50	0.74	0.46	0.21 – 2.53	68.14(6)	<0.0001
Through a pimp	214	186, 86.92	0.86	0.18	0.57 - 1.31		
Referral from friends	1081	880, 81.41	0.57	0.06	0.47 – 0.69		
Internet/ online	276	257, 93.12	1.76	0.43	1.09 – 2.85		



Description	N (N=526 7)	Multiple MSM Sex Partners n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>Cellphone network</b>	898	724, 80.62	0.54	0.06	0.44 – 0.66		
<b>Others</b>	51	48, 94.12	2.08	1.24	0.64 – 6.72		
<b>Age first bought sex</b>							
<18	526	490, 93.16	1.0 <sup>R</sup>				
18 – 24	1007	931, 92.45	1.58	0.45	0.90 – 2.75	134.9(3)	<0.0001
> 25	212	190, 89.62	1.42	0.36	0.86 – 2.34		
<b>Paid a male partner in the past 12 months</b>	1432	1248, 94.13	3.51	0.60	2.51 – 4.91	50.52(1)	<0.0001
<b>How they got paid male sex partner</b>							
Go to cruising sites	862	821, 95.24	1.0 <sup>R</sup>				
Through a pimp	34	31, 91.18	0.52	0.32	0.15 – 1.76	9.4(4)	0.05
Referral from friends	316	296, 93.67	0.74	0.21	0.43 – 1.28		
Internet/ online	45	39, 86.67	0.32	0.15	0.13 – 0.81		
Cellphone network	208	189, 90.87	0.50	0.14	0.28 – 0.88		
Others	4	4, 100.00	--				
<b>How they got paying male sex partners</b>							
Go to cruising sites	1097	981, 89.43	1.0 <sup>R</sup>				
Through a pimp	116	107, 92.24	1.41	0.51	0.70 – 2.85	32.33(6)	<0.0001
Referral from friends	469	384, 81.88	0.54	0.08	0.40 – 0.72		
Internet/ online	103	97, 94.17	1.93	0.83	0.83 – 4.50		
Cellphone network	397	334, 84.13	0.63	0.10	0.45 – 0.87		
Others	175	146, 83.43	0.30	0.18	0.09 – 0.96		
<b>Used drugs in the past 12 months</b>	631	546, 86.53	1.49	0.24	1.08 – 2.06	6.00(1)	0.01
<b>Respondent look like a female</b>	1258	1099, 87.36	1.32	0.13	1.10 – 1.60	9.00(1)	0.003
<b>Take or inject hormones in the past 12 months</b>							
Drink hormones	680	595, 87.50	1.0 <sup>R</sup>				
Inject hormones	78	65, 83.33	0.71	0.23	0.38 – 1.35	3.86(3)	0.28
<b>Circumcision</b>	5020	4265, 84.96	1.42	0.28	0.97 – 2.09	3.03(1)	0.08
<b>Sexual reassignment surgery</b>	69	58, 84.06	0.92	0.30	0.48 – 1.76	0.06(1)	0.80
<b>Knowledge about infection that can be</b>	4762	4054, 85.13	1.43	0.18	1.13 – 1.82	8.43(1)	0.004

Description	N (N=526 7)	Multiple MSM Sex Partners n, %	U - OR	SE	95% Confidence interval	LR $\chi^2$ (df)	p
<b>transmitted thru sexual contact</b>							
<b>Knowledge about symptoms of STI they know</b>							
I don't know any	922	743, 80.59	1.0 <sup>R</sup>				
Discharge	2863	2471, 86.31	1.52	0.15	1.25 – 1.85	19.57(6)	0.0033
Ulcer/sore	159	136, 85.53	1.43	0.34	0.89 – 2.28		
Wart	93	82, 88.17	1.80	0.60	0.94 – 3.44		
Pain/inflammation	903	760, 84.16	1.28	0.16	1.01 – 1.63		
Other	176	15, 75.00	1.32	0.30	0.86 – 2.07		
<b>Unusual genital discharge in the past 12 months</b>	220	182, 82.73	0.86	0.16	0.60 – 1.23	0.66(1)	0.42
<b>Genital ulcer or sore in the past 12 months</b>	82	73, 89.02	1.48	0.53	0.74 – 2.96	1.33(1)	0.25
<b>Genital warts in the past 12 months</b>	20	19, 95.00	3.45	3.53	0.46 - 25.8	2.14(1)	0.14
<b>Knowledge: Do you know what HIV is?</b>	4651	3965, 85.25	1.51	0.16	1.22 – 1.87	13.41(1)	0.0002
<b>Knowledge: Can HIV be prevented?</b>	4639	3920, 84.50	0.94	0.11	0.73 -1.19	0.32(1)	0.57
<b>Knowledge: Can a healthy looking person have HIV?</b>	4248	3616, 85.12	1.20	0.11	0.99 – 1.44	3.49(1)	0.06
<b>Knowledge: Can a person get HIV from mosquito bites?</b>	1564	1317, 84.21	0.95	0.08	0.81 – 1.12	0.33(1)	0.57
<b>Knowledge: Can using condoms reduce the risk of HIV transmission?</b>	4483	3811, 85.01	1.22	0.13	0.99 – 1.50	3.42(1)	0.06
<b>Knowledge: Can a person get HIV by using toilet bowls/ urinal sin public places?</b>	1369	1133, 82.76	0.83	0.07	0.70 – 0.98	4.85(1)	0.03
<b>Knowledge: Can the sharing of needles after an HIV infected person had used it increase the risk of HIV infection?</b>	4533	3844, 84.80	1.12	0.12	0.90 – 1.38	0.99(1)	0.32
<b>Can having sex with only one faithful uninfected partner reduce the risk of HIV transmission?</b>	4106	3464, 84.36	0.91	0.09	0.75 – 1.09	1.03(1)	0.31
<b>Can a person get HIV by sharing food with someone who is infected with HIV?</b>	1463	1208, 82.57	0.81	0.07	0.69 – 0.95	6.27(1)	0.01
<b>Do you feel that you yourself are at risk of HIV infection?</b>	3357	2894, 86.21	1.37	0.11	1.18 – 1.60	16.01(1)	0.0001



Republic of the Philippines  
**Department of Health**  
**National Epidemiology Center**

2nd Flr., Bldg 19, San Lazaro Compound,  
Rizal Ave., Sta Cruz, Manila 1003, Philippines  
Tel. No. (02) 651-7800 local 2528