



**2009**

# IHBSS

**Integrated HIV Behavioral  
and Serologic Surveillance**

Department of Health, National Epidemiology Center

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Injecting Drug Users (IDU)

Youth Injecting Drug Users

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Philippines

National Capital Region (NCR)

Site Specific

# ACKNOWLEDGEMENT

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2009 Integrated HIV Behavioral and Serologic Surveillance (IHBSS) Teams

And the following agencies:





2009 Integrated HIV Behavioral Surveillance System

# MARP Analysis

- Female Sex Workers (FSW)
- Youth FSW
- Males who have sex with Males (MSM)
- Youth MSM
- Injecting Drug Users (IDU)
- Youth IDU

**Female Sex Workers (FSW)**



# 2005-2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## FEMALE SEX WORKERS

### IBHSS 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, Caloocan

## DEMOGRAPHIC PROFILE

Table 1. Age profile

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

The Female Sex Worker (FSW) survey of the IBHSS 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.

Fig1. Distribution of FSW by age group & year

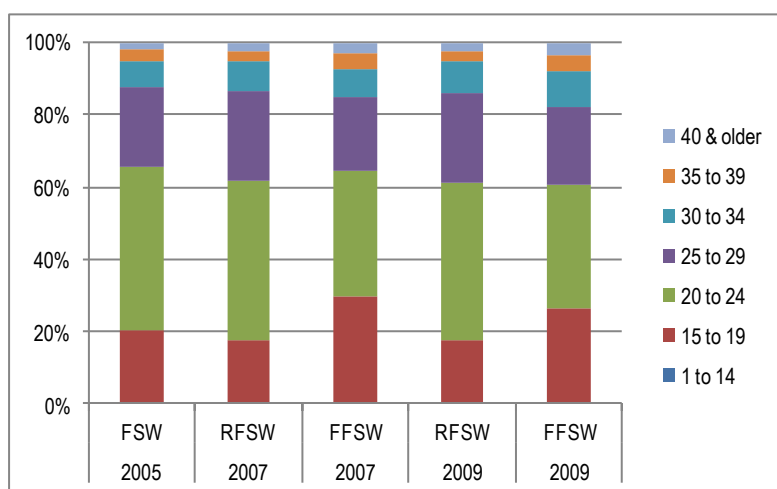


Fig 2. Percentage of FSW working in an entertainment establishment only, cruising site only, or both, 2009

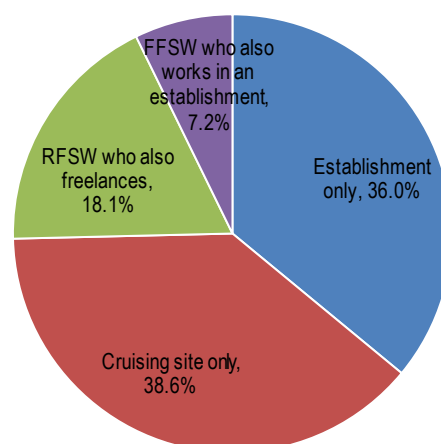
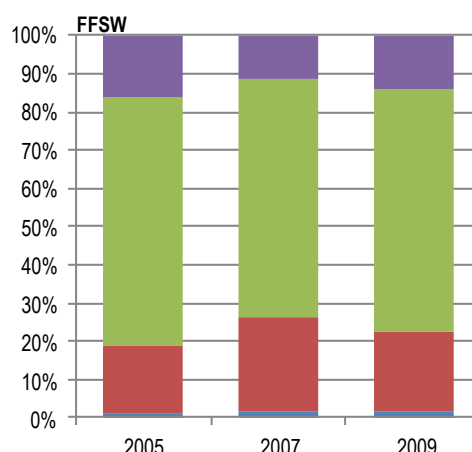
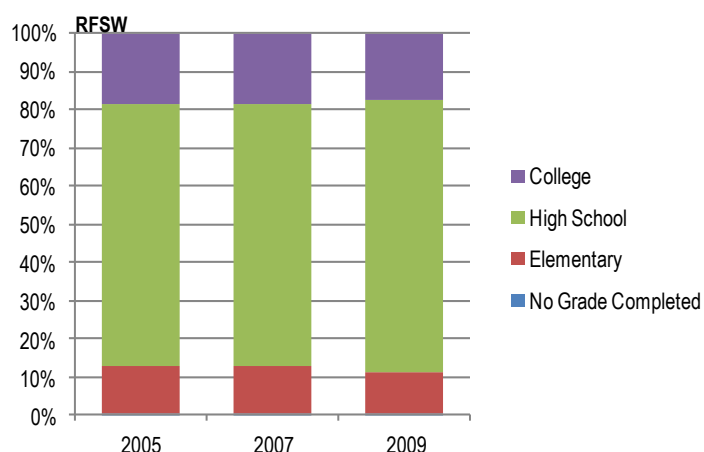


Fig 3. Distribution of FSW by educational attainment & year



## DEMOGRAPHIC PROFILE

Table 2. Civil Status

	2005	2007		2009	
	Combined	RFSW	FFSW	RFSW	FFSW
Single	83.0%	83.74%	82.18%	83.85%	79.23%
Married	8.2%	8.16%	9.03%	9.52%	11.02%
Separated/Widow	8.8%	8.10%	8.79%	6.63%	9.75%

A portion of the MSM have female partners. The significantly lower percentage in 2009 may be due to sampling of more diverse venues including malls, internet cafes, restaurants, areas near schools.

Fig 4. Percentage living with a partner by site, 2009

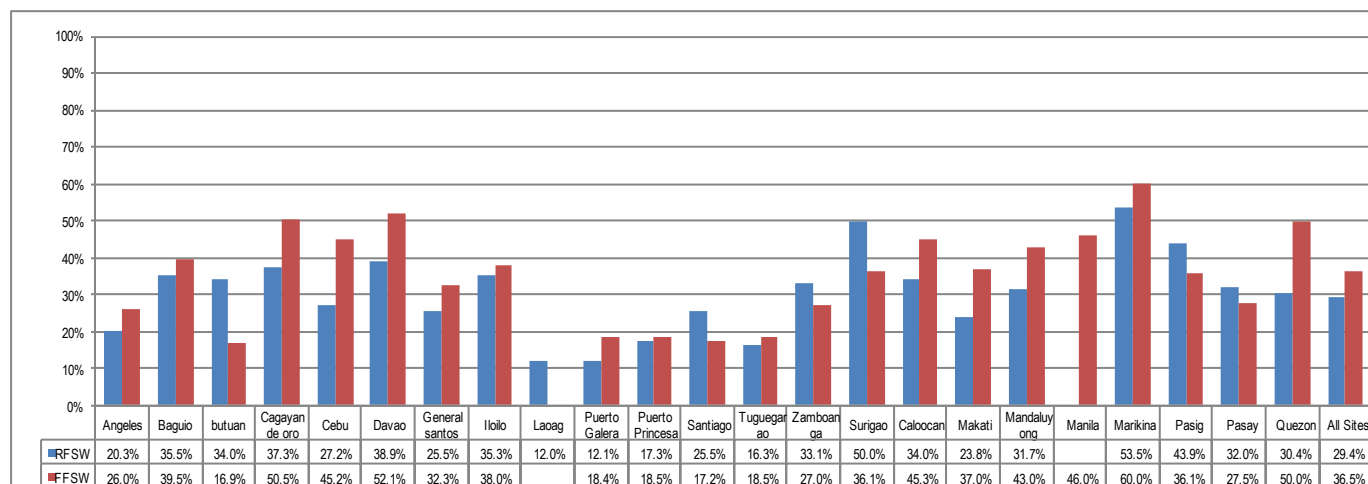


Fig 5. Percentage with children by site, 2009

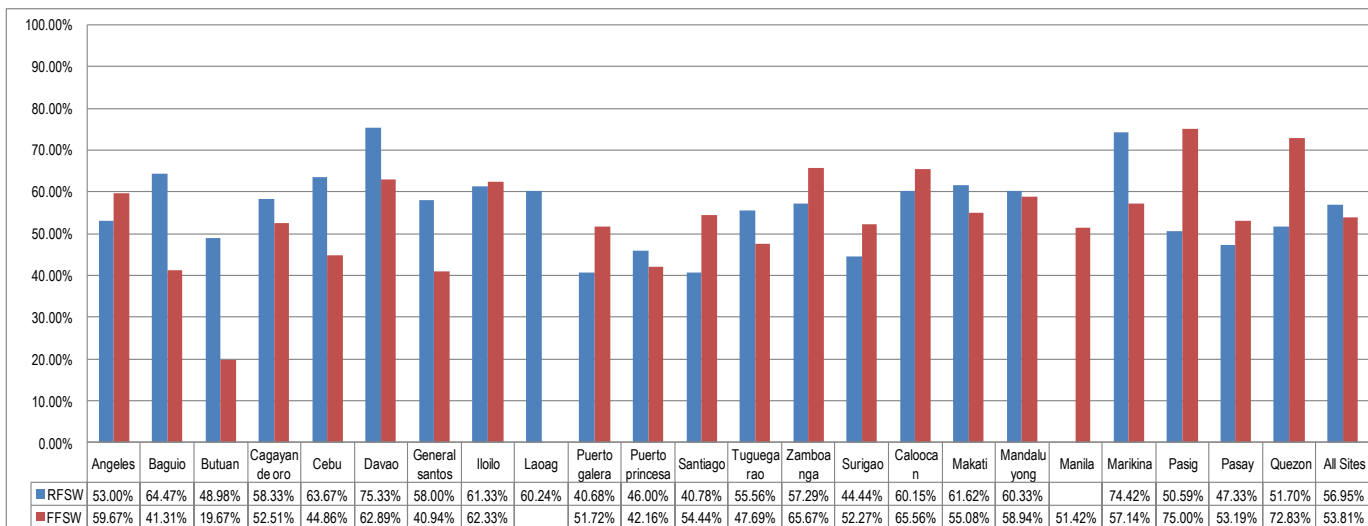
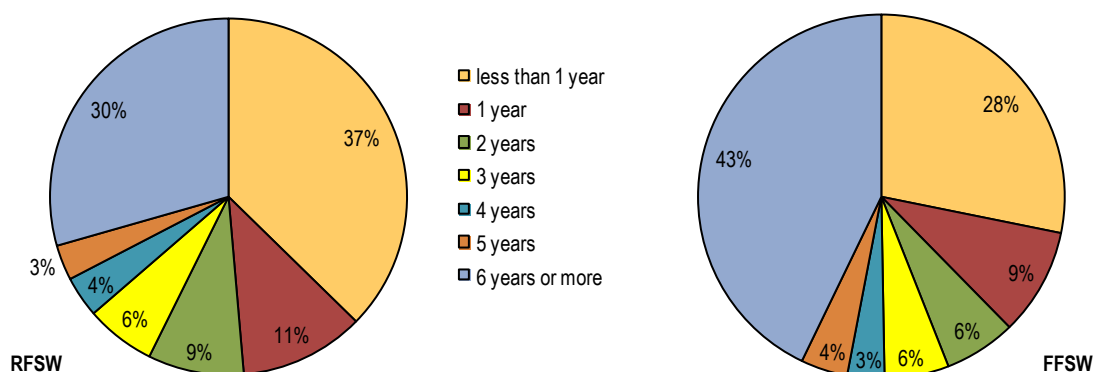


Fig 6. Number of years FSW has been living in the city



## KNOWLEDGE OF HIV

Fig 7. Percentage of RFSW who answered HIV knowledge questions correctly by age group

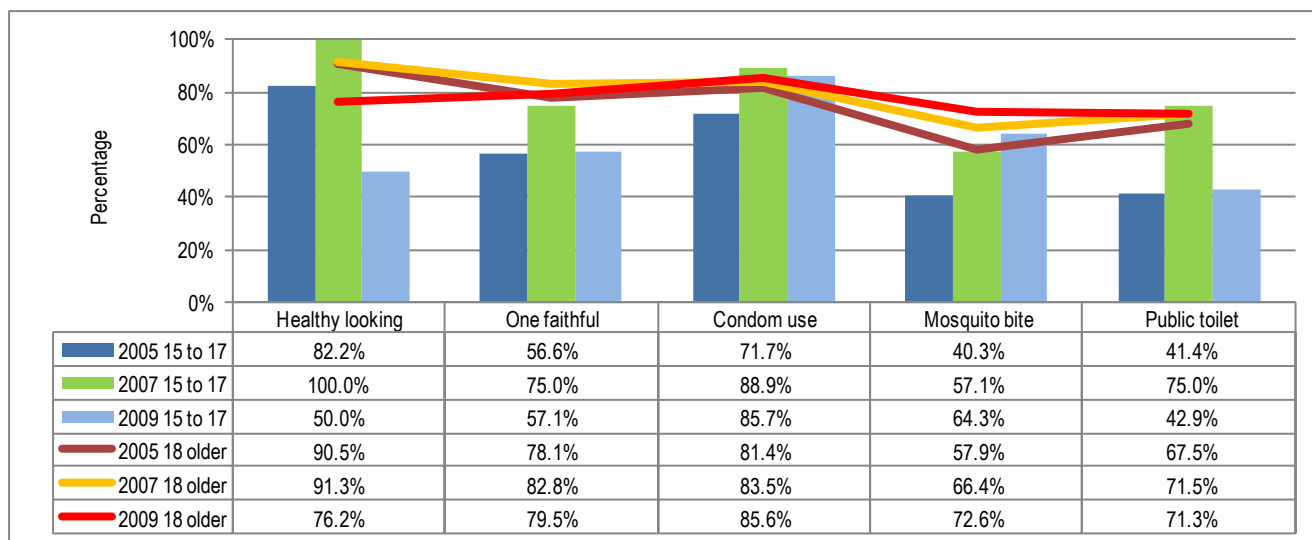


Fig 8. Percentage of FFSW who answered HIV knowledge questions correctly by age group

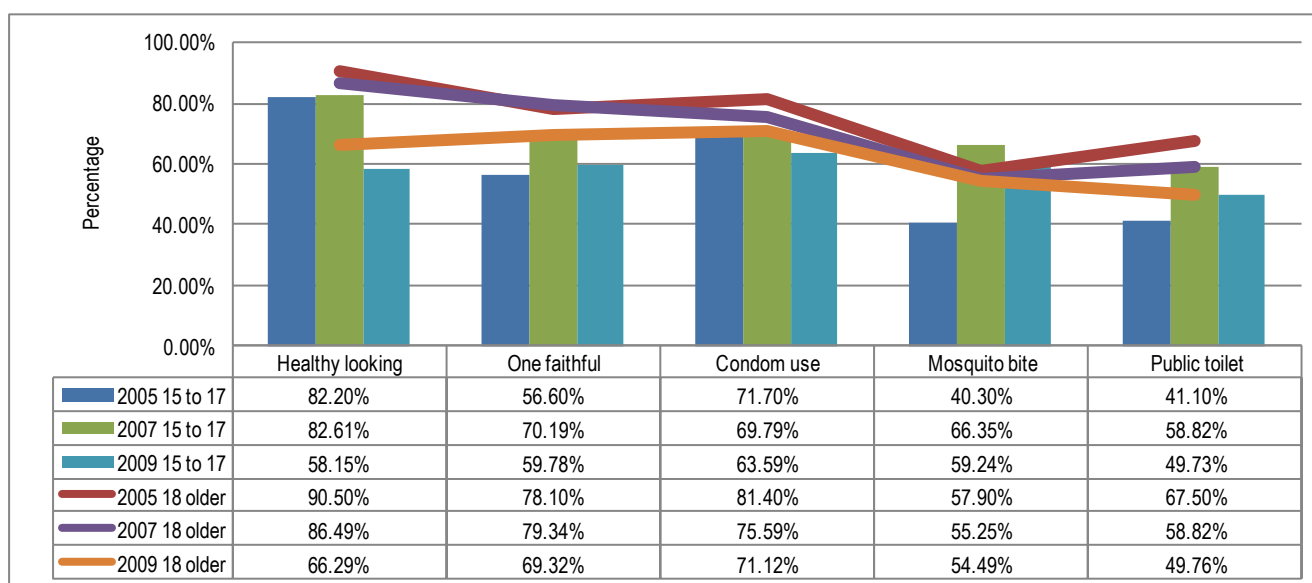
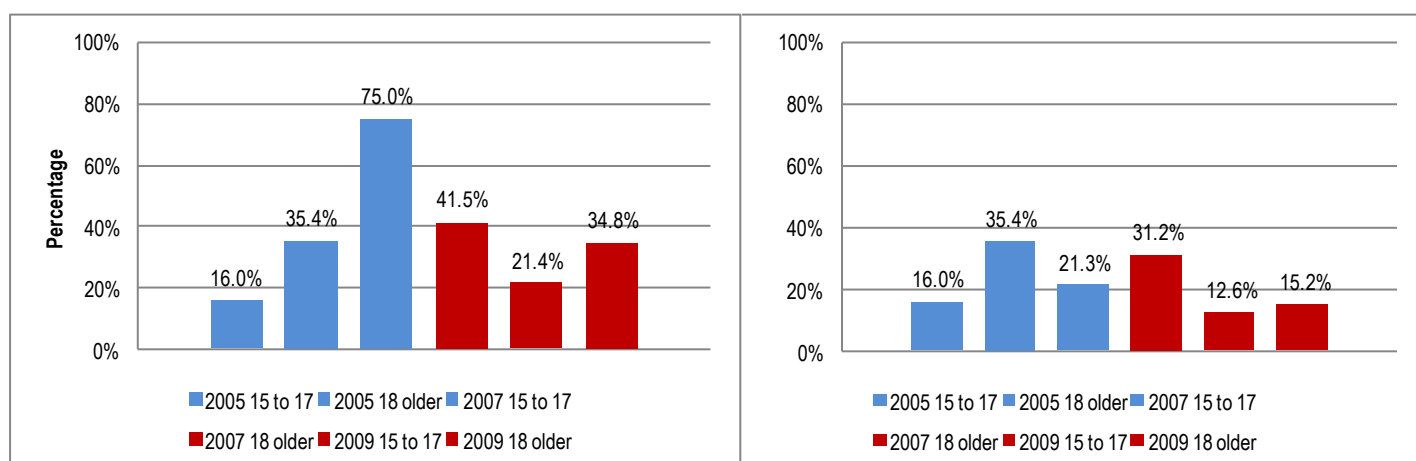


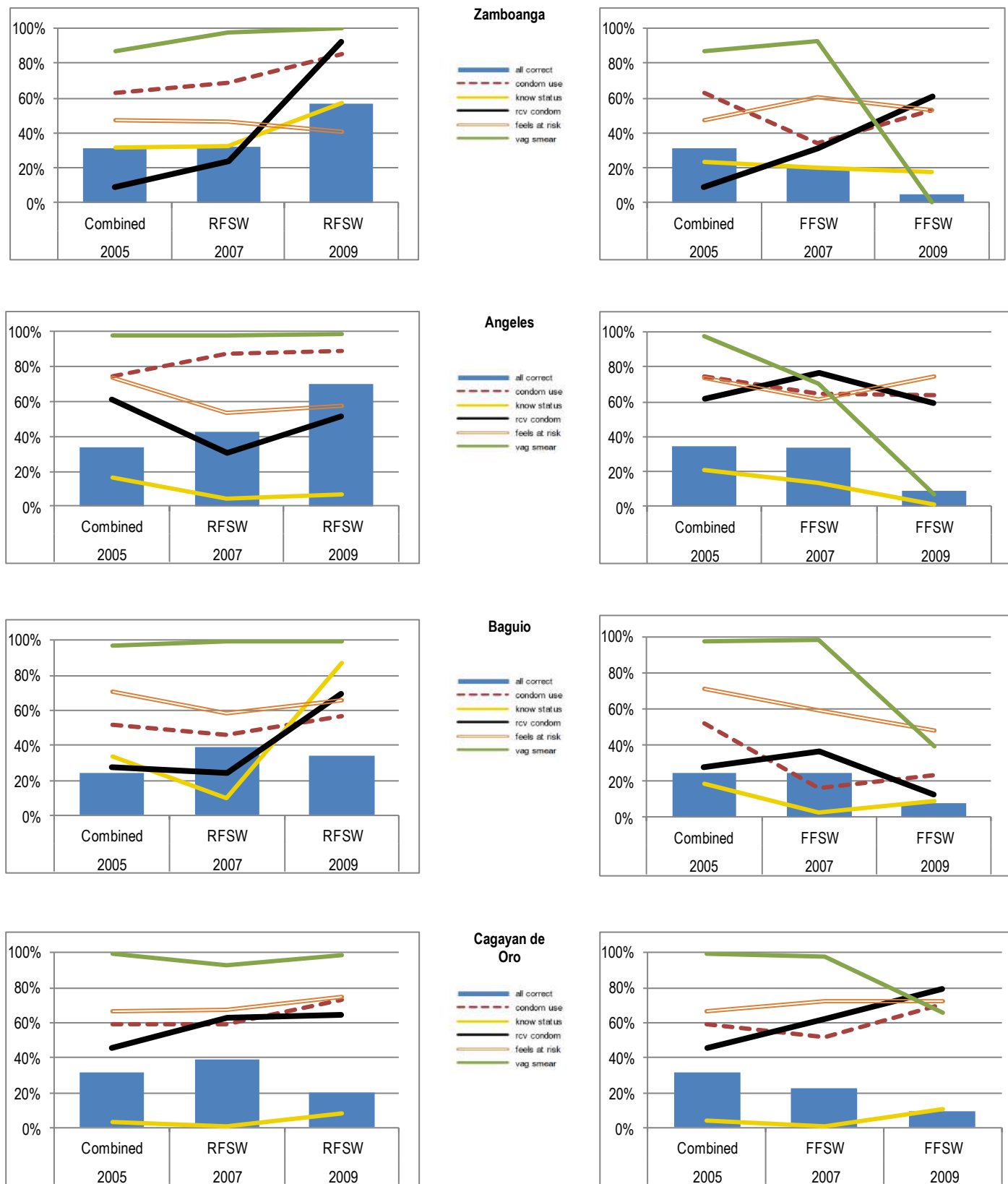
Fig 9. Percentage who answered all HIV knowledge questions correctly





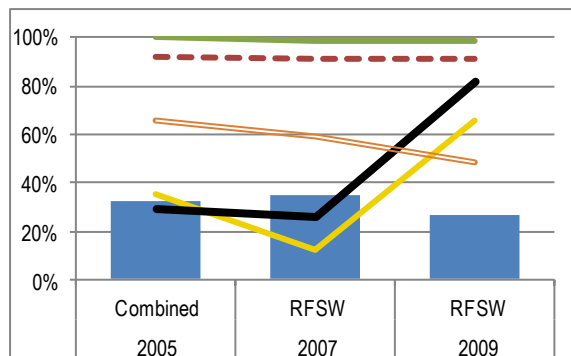
## KNOWLEDGE OF HIV

Fig 10. Percentage who answered HIV knowledge questions correctly, risk behavior, and access to intervention by site &amp; year

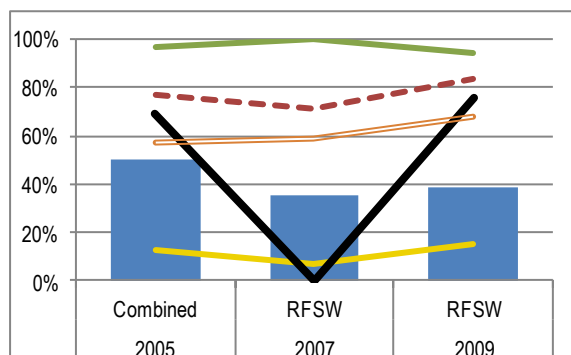
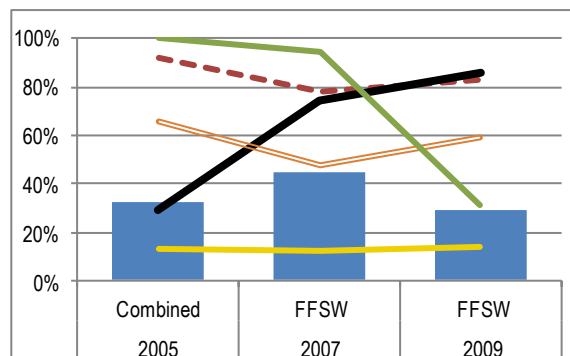


**Legend:**  
**All correct:** All 5 HIV knowledge questions answered correctly. **Condom use:** Used a condom during last sex w client. **Know status:** Has had an HIV test and know the results. **Rcv condom:** Received a free condom in the past 12 months.  
**Vag smear:** Had a vaginal smear at the Social Hygiene Clinic in the past one month. **Feels at risk:** Feels he is at risk to get infected with HIV.

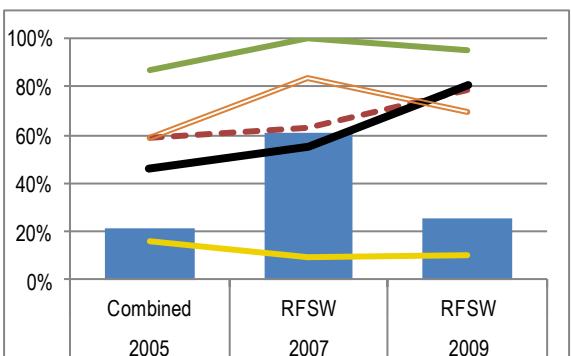
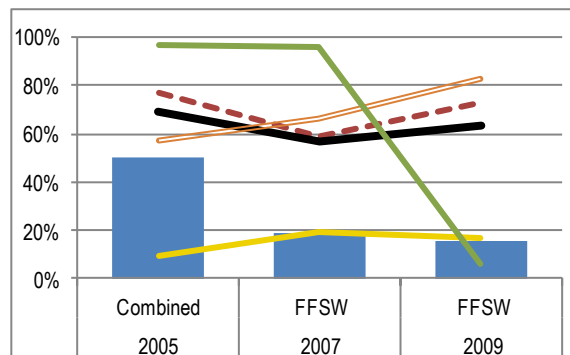
# KNOWLEDGE OF HIV



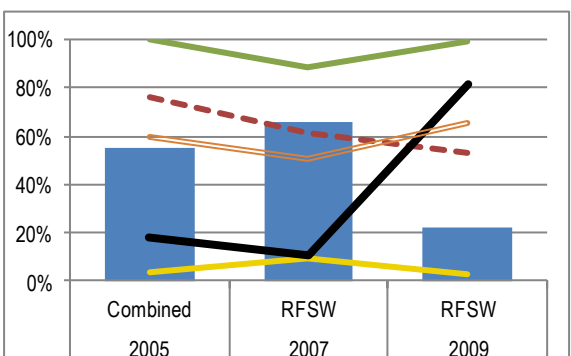
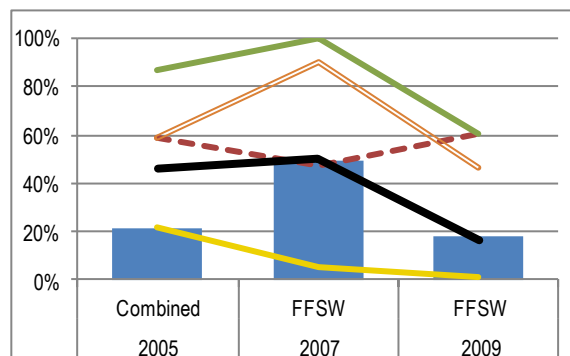
Cebu



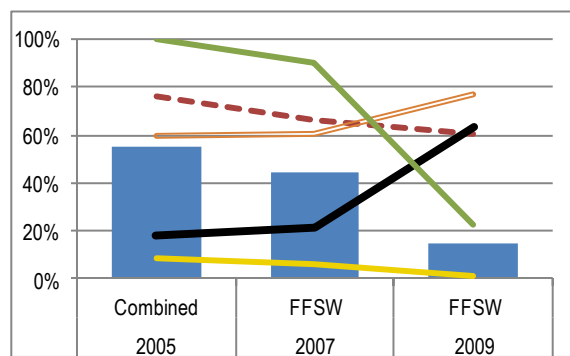
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General Santos

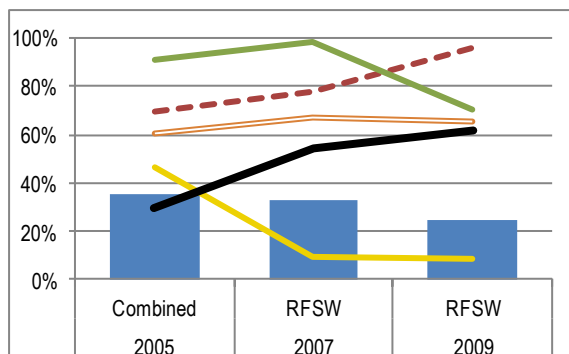


Iloilo

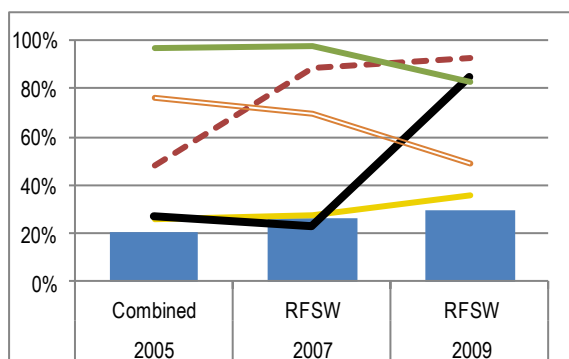
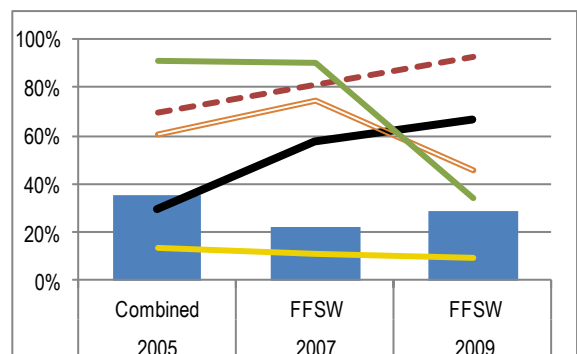


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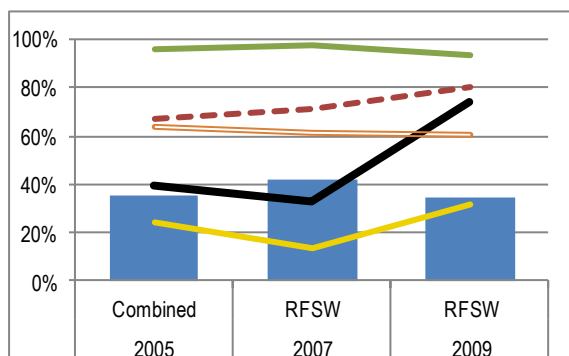
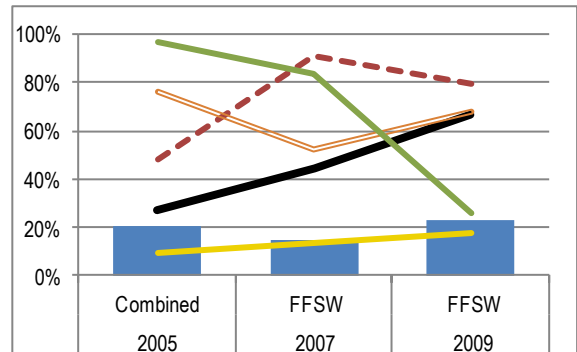
## KNOWLEDGE OF HIV



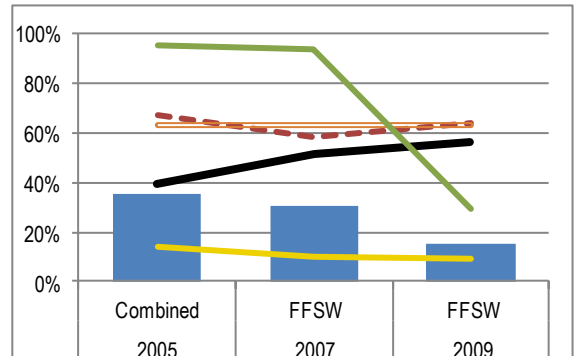
Pasay



Quezon City



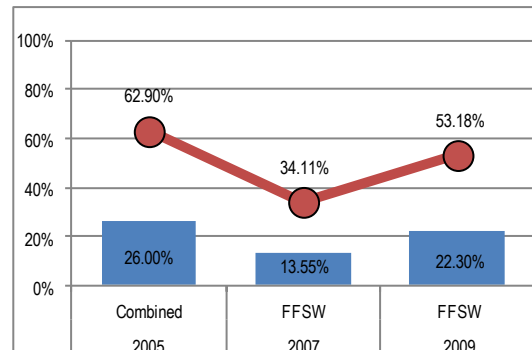
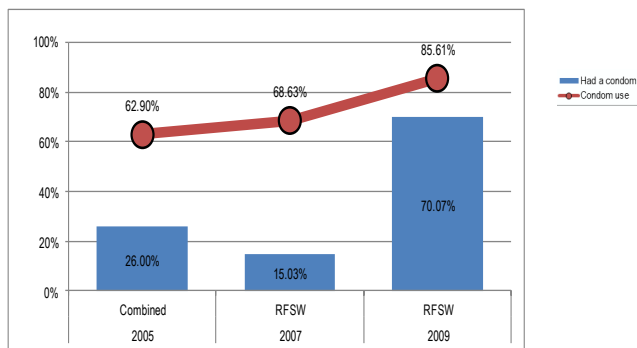
All Sites



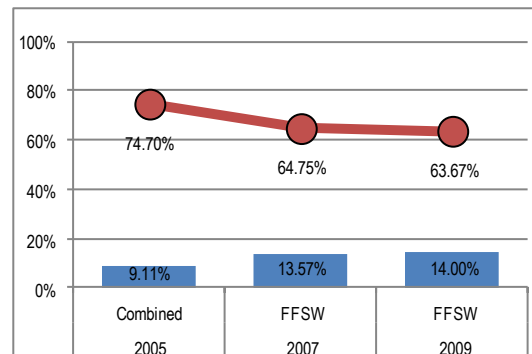
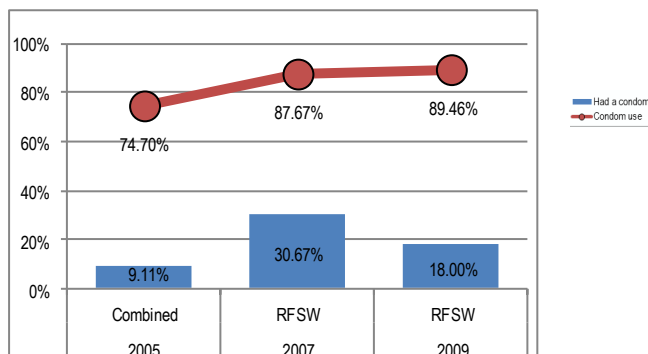
## RISK BEHAVIORS

Fig 11. Percentage of FSW who had a condom &amp; condom use during sex with last client

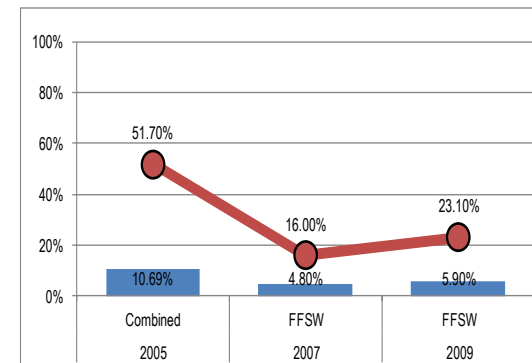
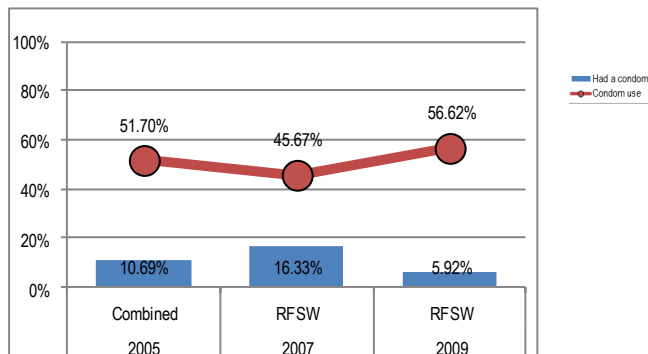
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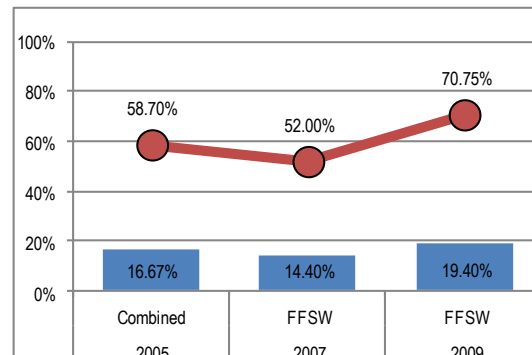
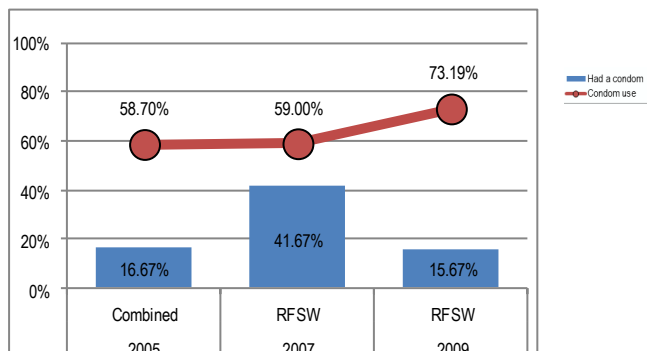
## Angeles



## Baguio

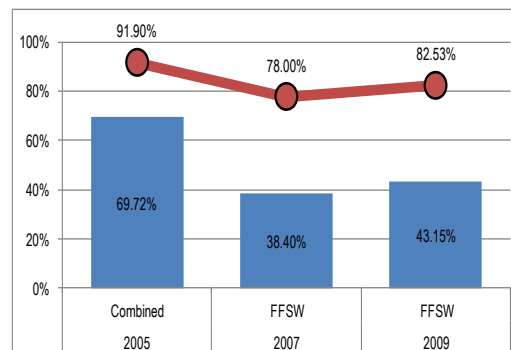
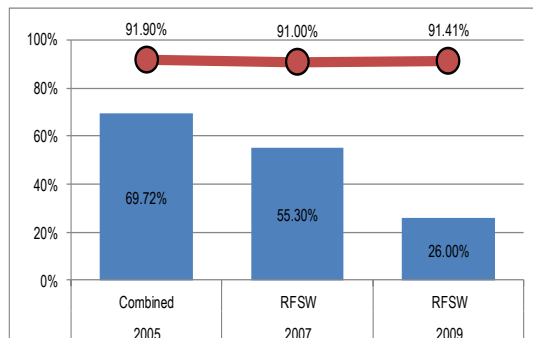


## Cagayan de Oro

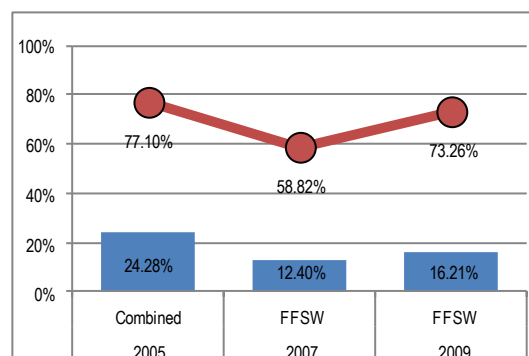
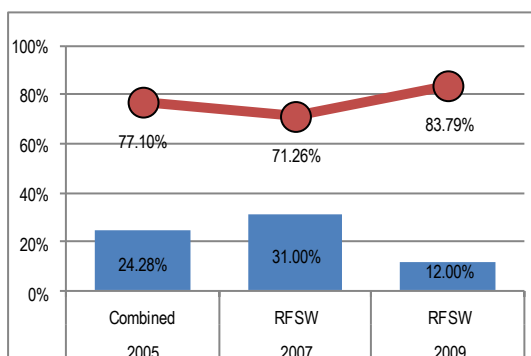


## RISK BEHAVIORS

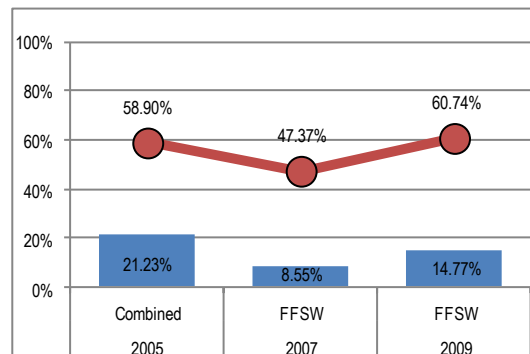
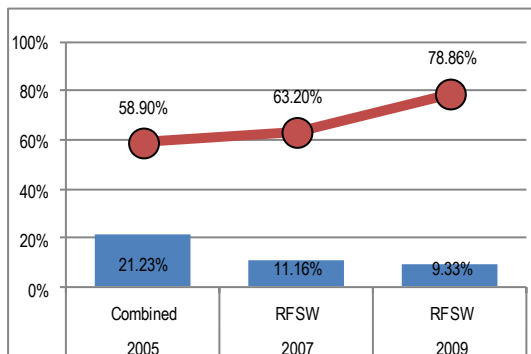
## Cebu



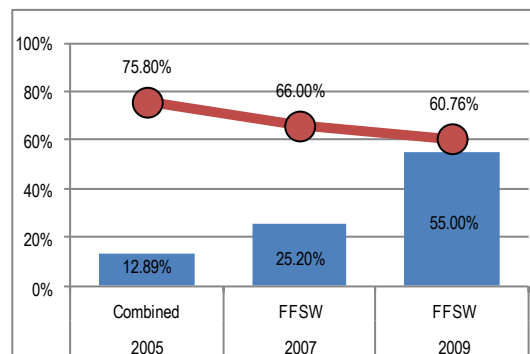
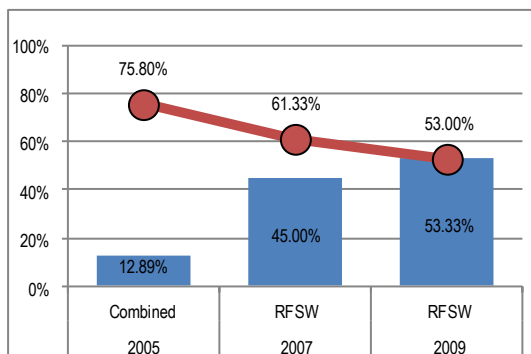
## Davao



## Gen Santos

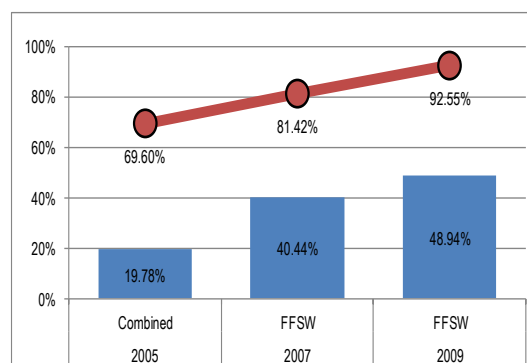
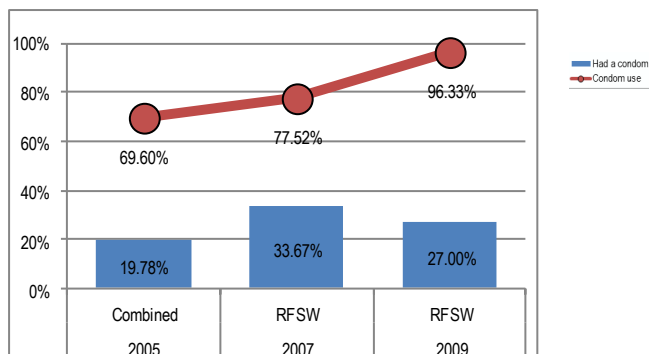


## Iloilo

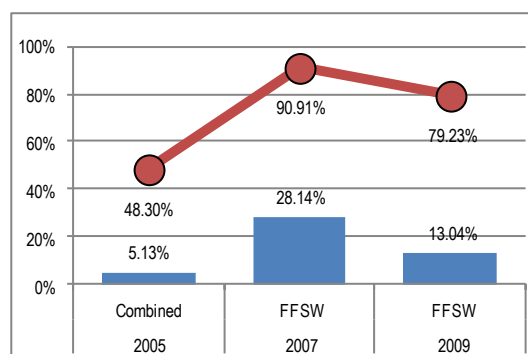
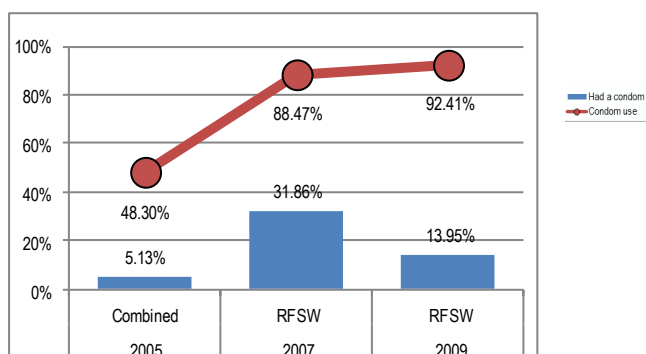


## RISK BEHAVIORS

## Pasay



## Quezon



## All Sites

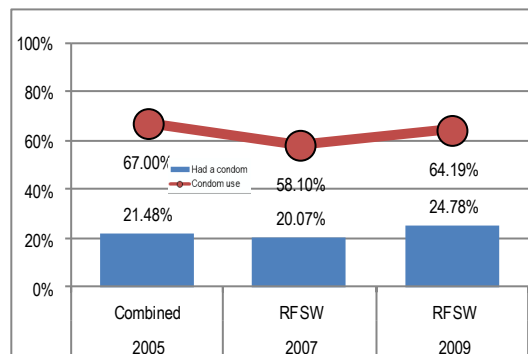
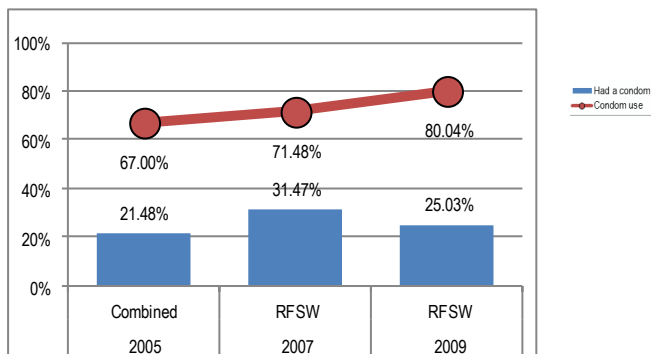


Fig 12. Condom use of RFSW during last sex with client and last sex with client under the influence of alcohol, 2009



## RISK BEHAVIORS

Fig 13. Percentage of FSW using drugs, 2009

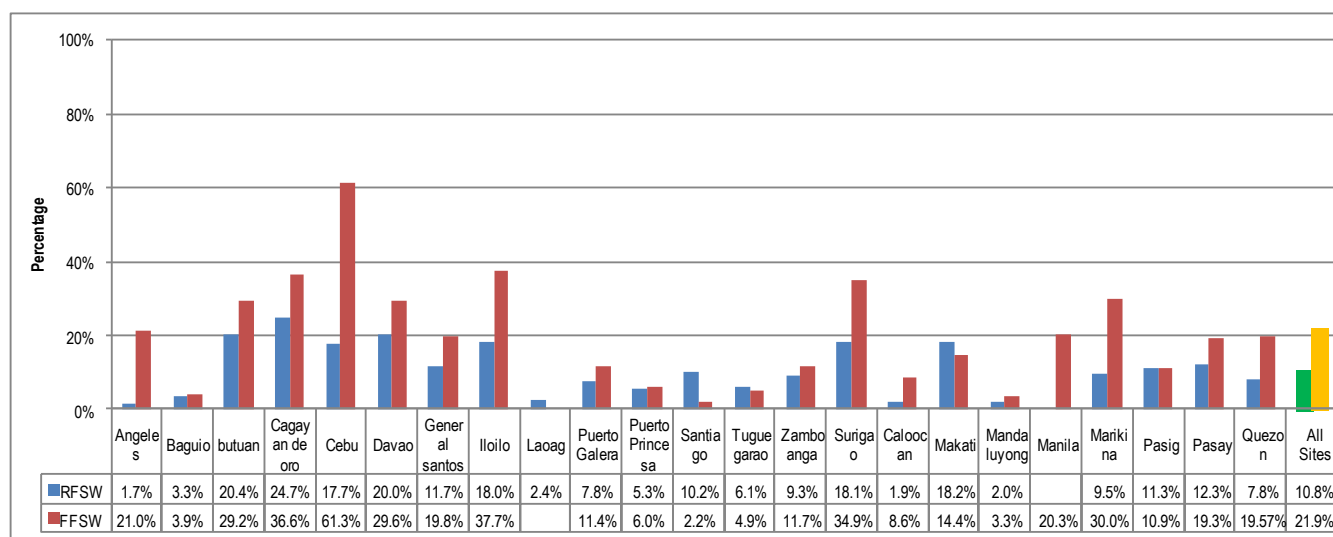


Table 3. Sites with FSW who inject drugs, 2009

Site	RFSW	FFSW
Butuan	-	2
Cagayan de Oro	2	8
Cebu	-	35
Davao	-	8
Gen Santos	-	4
Iloilo	2	2
Puerto Galera	1	-
Tuguegarao	1	-
Zamboanga	-	1
Surigao	1	-
Caloocan	1	-
Manila	-	7
Pasay	2	-
Quezon	-	1
Total	10 (1.8%)	68 (7.5%)

## INTERVENTION

Fig 14. Percentage of FSW who got a vaginal smear in past month, 2009

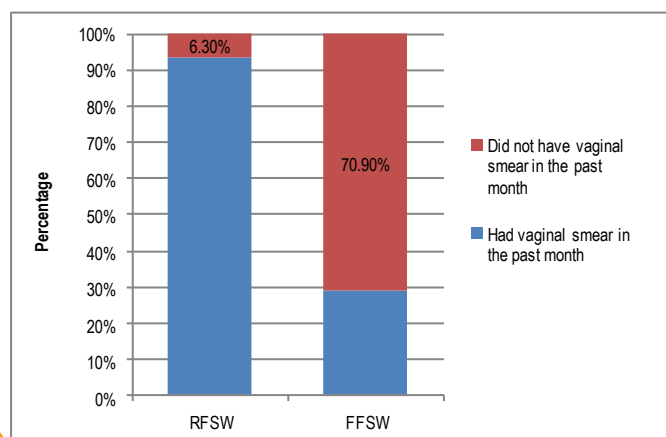
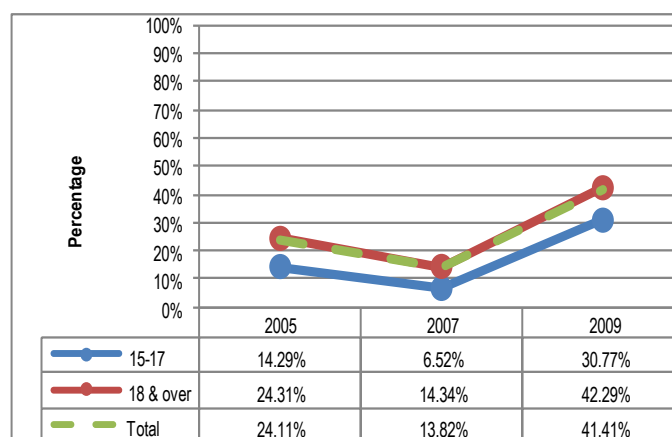


Fig 15. Percentage of FFSW who availed of SHC services



## INTERVENTION

Fig 16. Percentage of RFSW who received a free condom

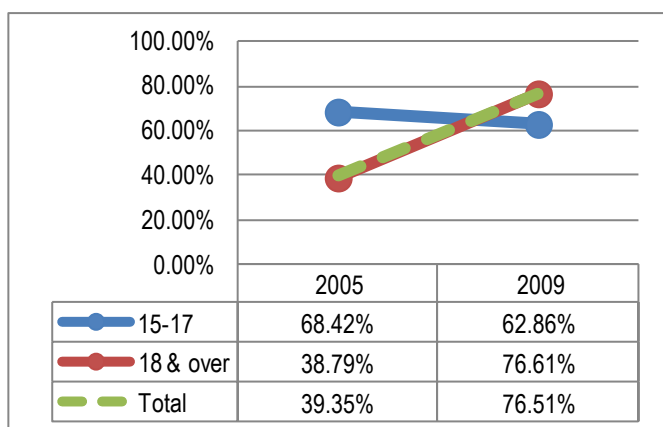


Fig 17. Percentage of FFSW who received a free condom

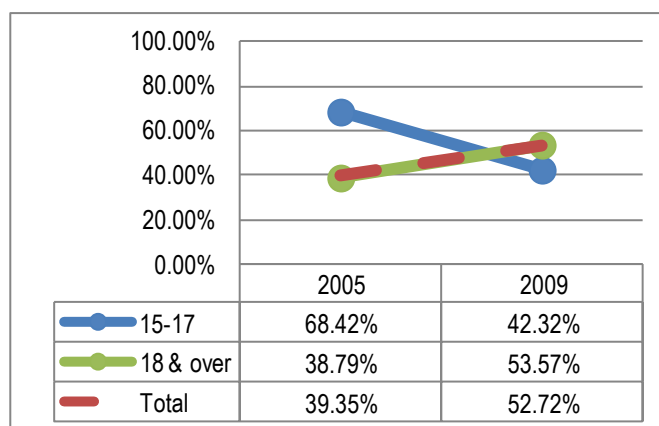


Fig 18. Percentage who received a free condom by site, 2009

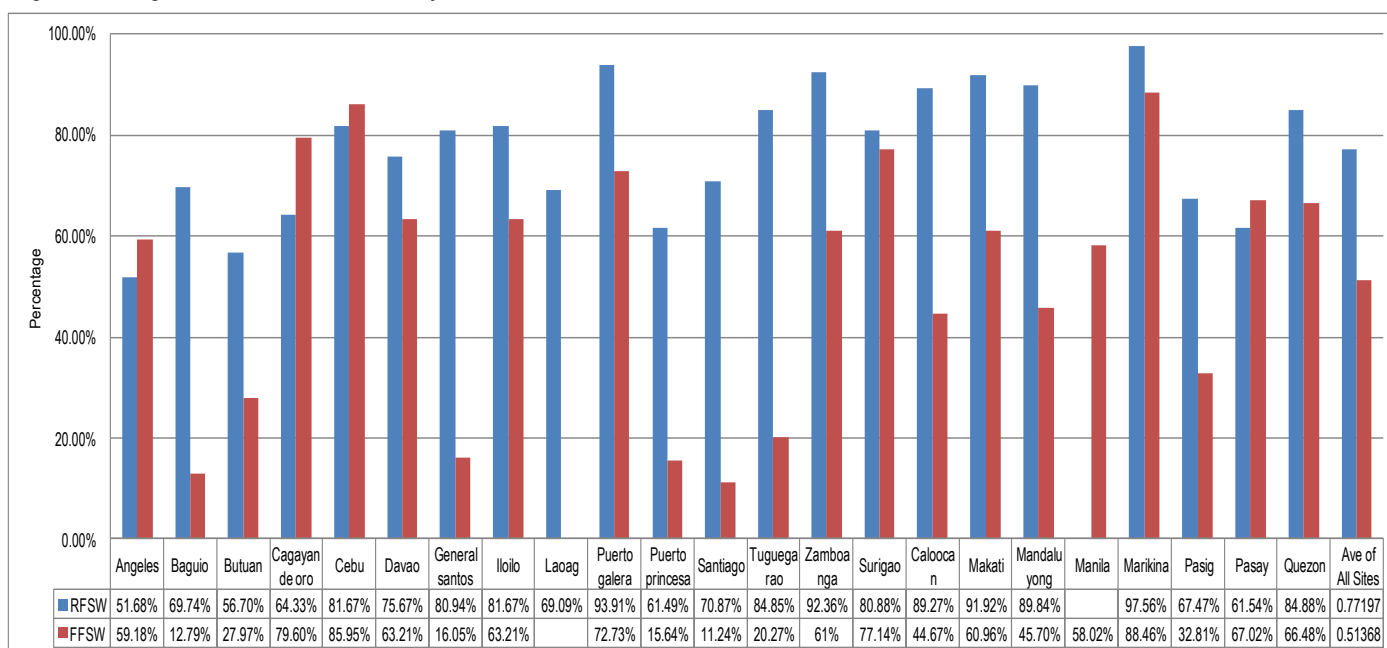
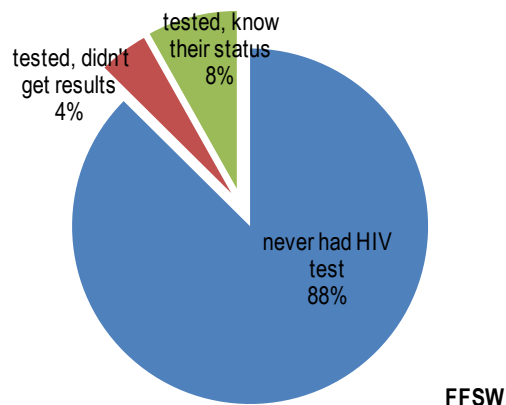
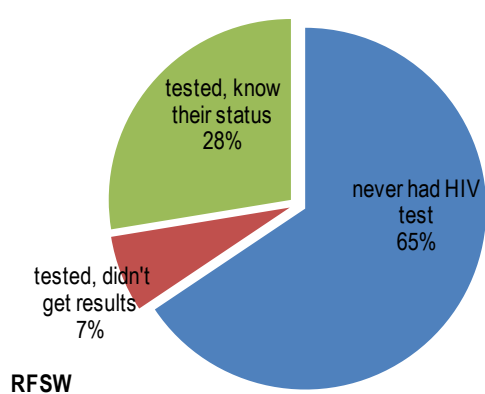


Fig 19. Percentage ever tested for HIV &amp; know their HIV status, 2009





## PREVALENCE

Table 4. Syphilis &amp; HIV Prevalence, 2009

Site	RFSW Syphilis Prevalence (%)	RFSW HIV Prevalence (%)	FFSW Syphilis Prevalence (%)	FFSW HIV Prevalence (%)
Angeles	0.33	0.67	0.33	3.67
Baguio	0.00	0.33	0.00	1.99
Iloilo	0.33	0.00	0.00	5.33
Cebu	0.33	0.00	4.00	7.00
Davao	0.00	0.00	0.00	0.33
Gen Santos	0.00	0.33	0.33	2.00
Cagayan de Oro	0.00	0.00	0.00	1.00
Zamboanga	0.00	1.00	0.00	2.33
Pasay	1.00	0.67	0.53	2.66
Quezon	0.34	0.00	0.00	3.33
Makati	0.00	0.34	0.53	0.53
Mandaluyong	0.00	0.99	0.00	0.00
Marikina	0.00	1.50	0.00	1.82
Pasig	0.00	1.18	0.00	3.13
Manila	-	-	0.00	5.58
Caloocan	0.00	0.00	0.00	0.67
Puerto Princesa	0.00	0.00	0.00	1.11
Butuan	0.00	0.00	0.00	0.00
Laoag	0.00	0.63	-	-
Puerto Galera	0.00	0.40	0.00	0.00
Tuguegarao	0.00	0.00	0.00	0.00
Santiago	0.00	0.00	0.00	0.00
Surigao	0.00	0.00	0.00	0.00

Fig 20. National HIV Prevalence of FSW, 2005-2009

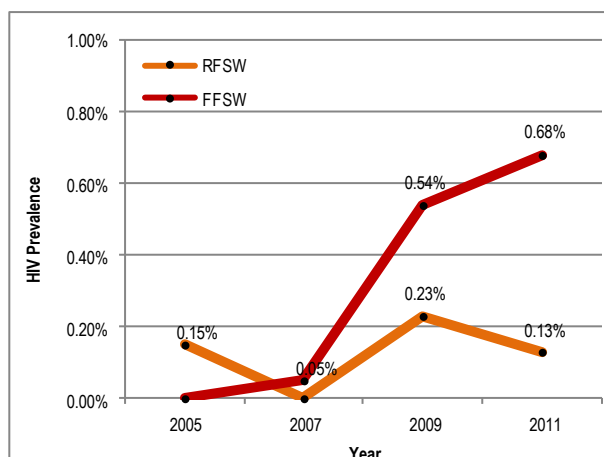


Table 5. Characteristics of sero-negative and sero-positive respondents in selected sites, 2009

	RFSW		FFSW	
	Syphilis Negative	Syphilis Positive	Syphilis Negative	Syphilis Positive
Respondents (N)	4, 417	16	3, 741	99
Age range (Median)	15-52 (23)	19-40 (24)	15-53 (23)	16-51 (27)
Educational Attainment: High School	71.76%	81.25%	64.25%	45.36%
Civil Status: Married	10.17%	12.50%	11.37%	13.40%
Living with a partner	29.26%	46.67%	37.53%	46.88%
Knowledge: All correct	37.95%	53.33%	17.73%	13.68%
Feels at risk to get HIV	60.68%	75.00%	62.89%	65.98%
Number of male clients in a month	1-100 (3)	1-15(4)	1-120(5)	1-93 (8)
Used a condom with last client	75.36%	68.75%	61.78%	72.16%
Has a condom during time of interview	21.83%	25.00%	21.66%	32.99%
Had a vaginal smear in the past month	98.95%	100%	97.39%	100%
Has had an HIV test and know the results	25.52%	25.00%	8.20%	8.08%
Received a free condom	76.72%	81.25%	53.80%	68.69%

\*Sites with syphilis positive respondents: Angeles, Baguio, Cagayan de Oro, Cebu, Davao, Gen Santos, Iloilo, Laoag, Puerto Galera, Puerto Princesa, Zamboanga, Caloocan, Makati, Mandaluyong, Manila, Pasay, Pasig, Quezon

**Youth FSW**



# 2005-2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## YOUTH: FEMALE SEX WORKERS

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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).

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**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, Caloocan

## DEMOGRAPHIC PROFILE

Table 1. Age Profile of Female Sex Workers Aged Less than 25 Years Old by Type of MARP

	2005	2007		2009	
	Combined	RFSW	FFSW	RFSW	FFSW
Total Sample	2875	1822	1382	3095	2593
Age Range (median)	13-24 (21)	15-24(21)	13-24 (20)	15-24(21)	15-24 (20)
<18 years old	3.03%	0.71%	10.71%	1.16%	12.53%
18 to 24 yo	96.97%	99.29%	89.29%	98.84%	87.47%

Fig1. Distribution of Age & Year

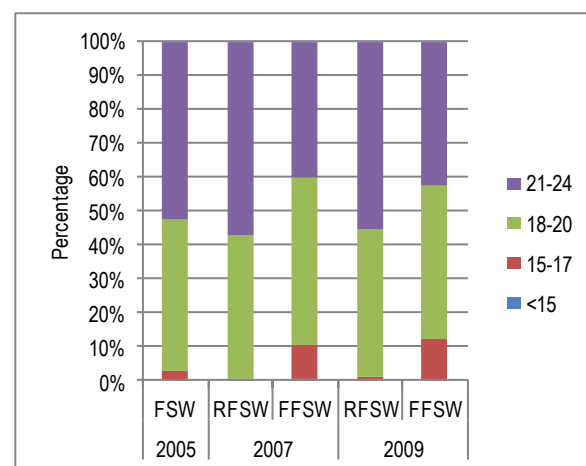


Fig 2. Distribution of FSW by Educational Attainment , 2009

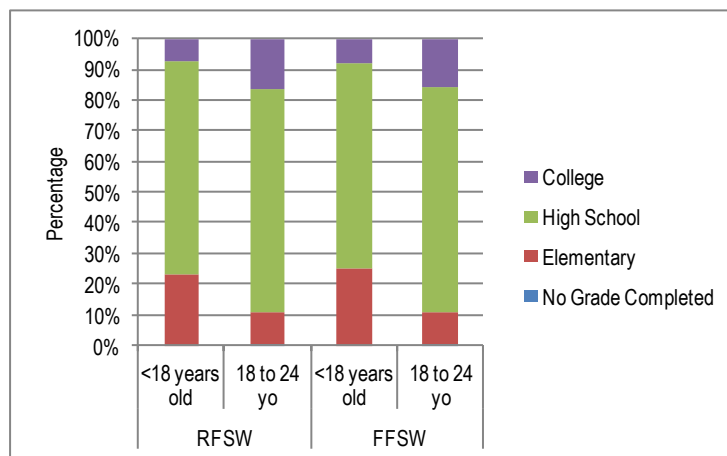


Fig 3. Percentage of FSW working in an entertainment establishment only, cruising site only, or both by Age Group, 2009

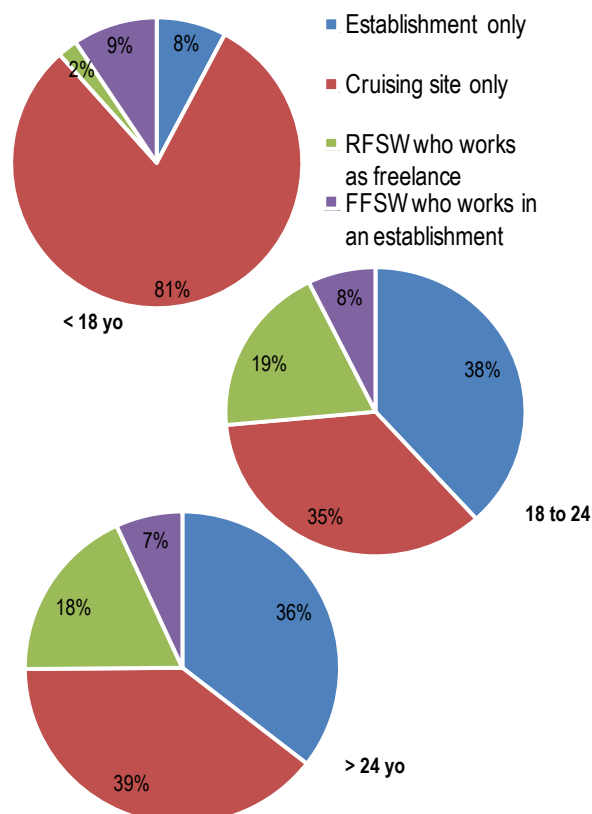


Table 2. Age Range & Median of First Paid Sex of FSWs

Age Group	2005	2007		2009	
	Combined	RFSW	FFSW	RFSW	FFSW
<18 years old	9-17 (16)	14-17 (16)	9-17 (16)	13-17 (16)	11-17 (16)
18 to 24 yo	5-24 (19)	11-24 (19)	8-24 (18)	10-24 (19)	10-24 (18)
<25 years old	5-24 (19)	11-24 (19)	8-24 (18)	10-24 (19)	10-24 (18)

Table 3. Civil Status of FSWs by Year

	2005	2007		2009	
	Combined	RFSW	FFSW	RFSW	FFSW
Single	91.23%	92.32%	91.53%	91.17%	90.05%
Married	5.08%	4.17%	4.27%	5.72%	6.36%
Separated/Widow	3.69%	3.51%	4.20%	3.10%	3.59%

## DEMOGRAPHIC PROFILE

Fig 4. Civil Status of FSWs by Age Group, 2009

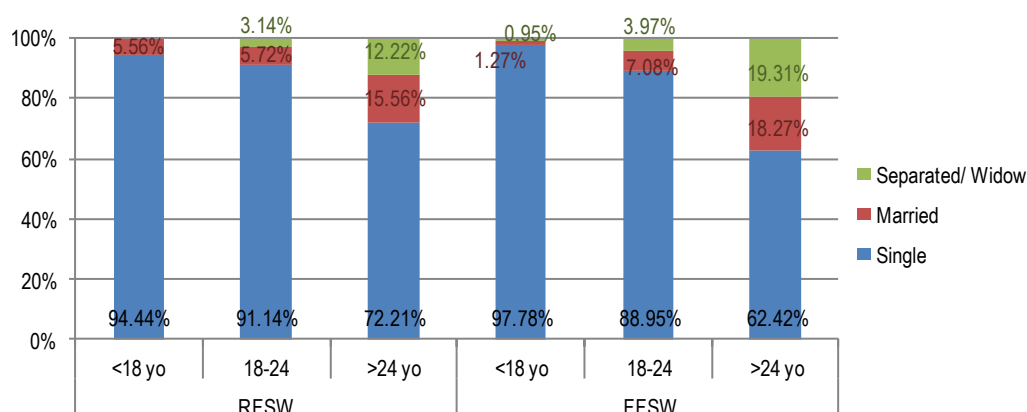
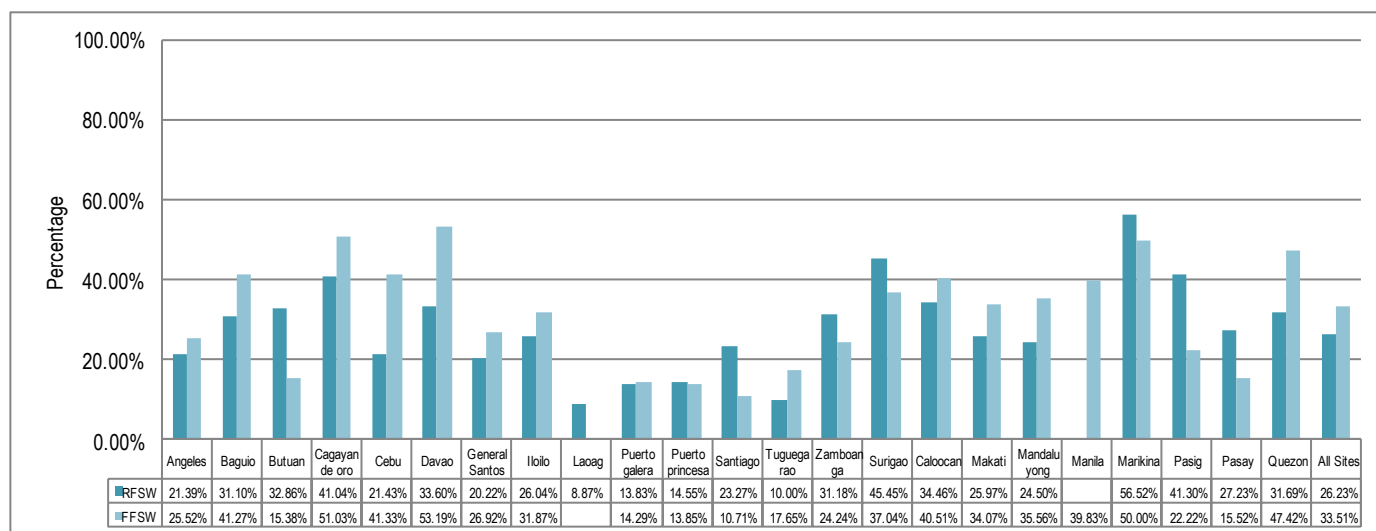
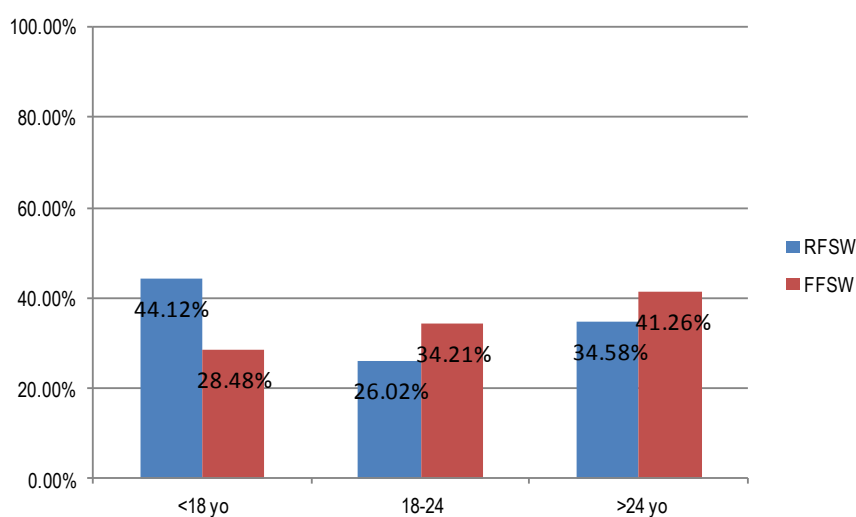


Fig 5. Percentage of FSWs Living with a Partner by Site, 2009



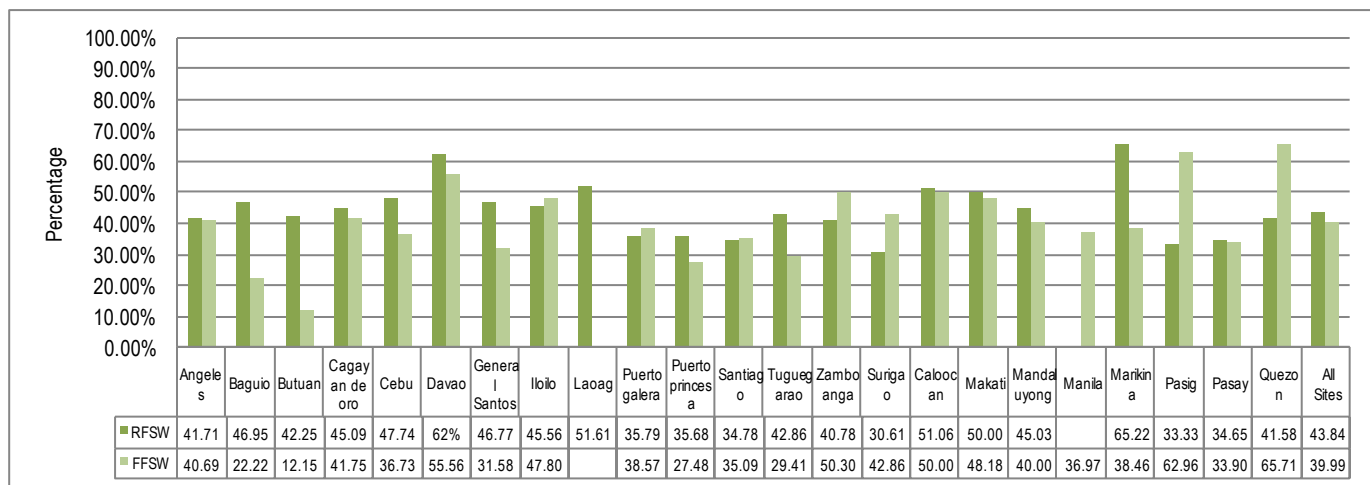
Note: Laoag has no Freelance Female Sex Workers (FFSW) in 2009 while Manila has no Registered Female Sex Workers (RFSW).

Fig 6. Percentage of FSWs Living with a Partner by Age Group, 2009



DEMOGRAPHIC PROFILE

Fig 7. Percentage of FSWs with Children by Site, 2009



Note: Laoag has no Freelance Female Sex Workers (FFSW) in 2009 while Manila has no Registered Female Sex Workers (RFSW).

Fig 8. Percentage of FSWs with Children by Age Group, 2009

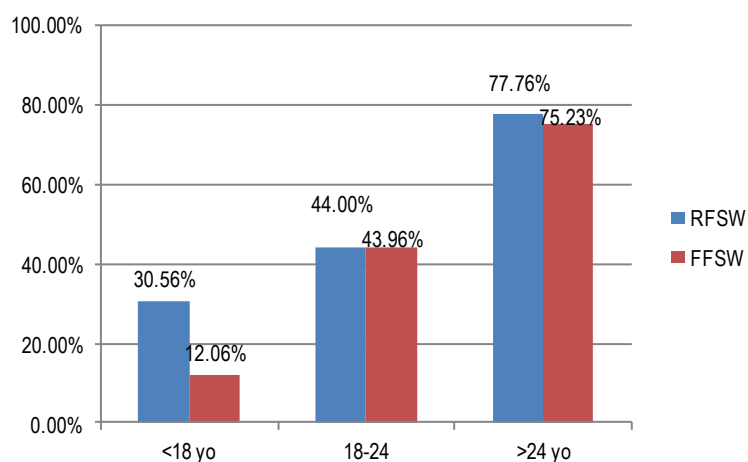
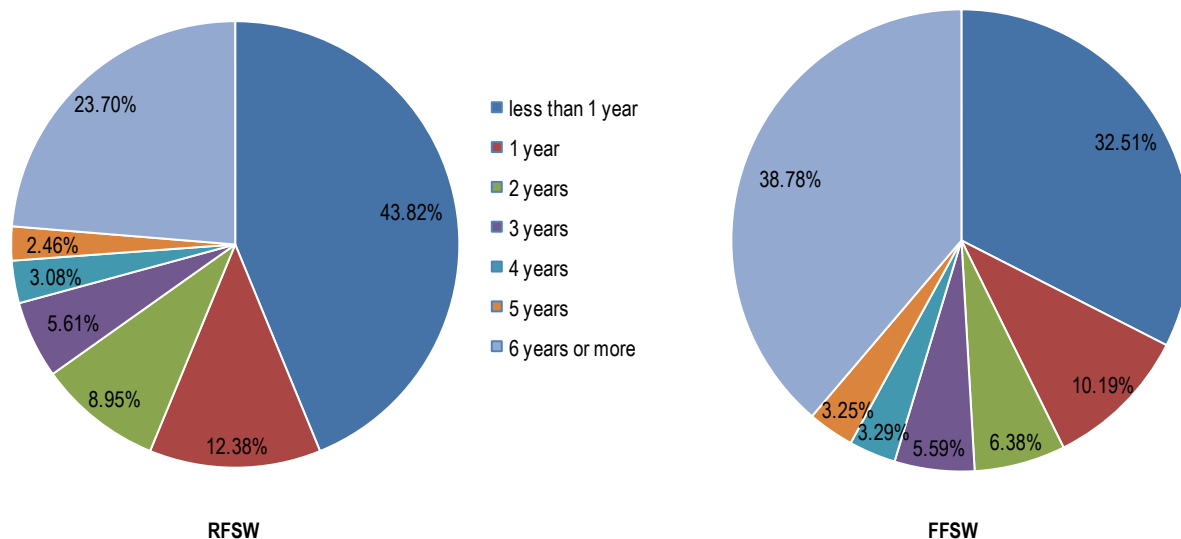


Fig 9. Number of years FSW has been living in the city, 2009



## KNOWLEDGE OF HIV

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

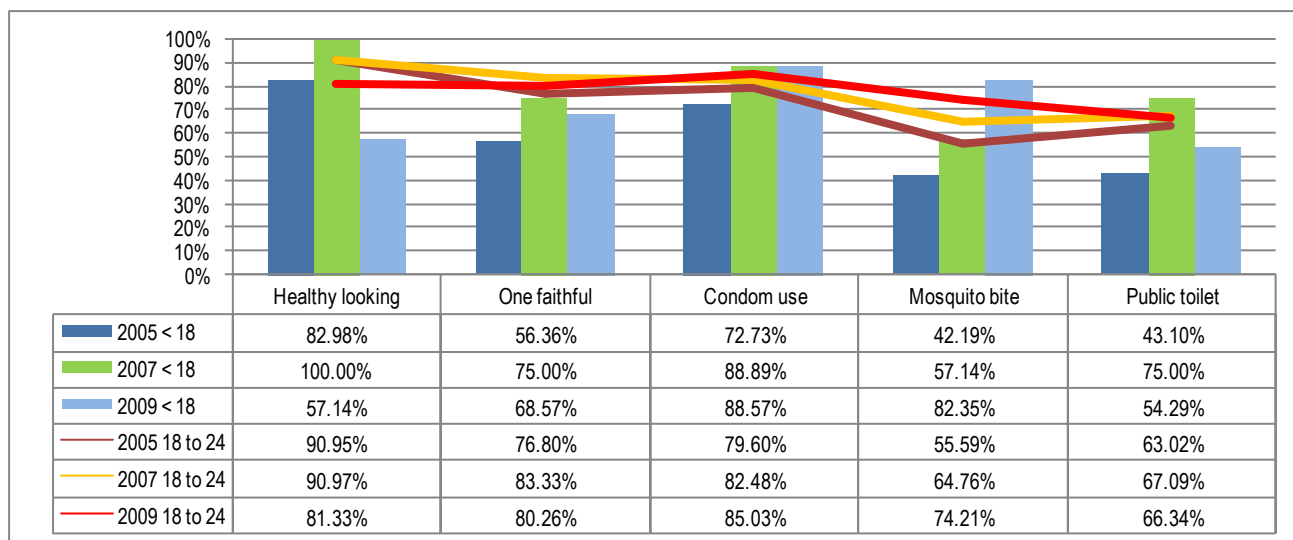


Fig 11. Percentage of FFSW who answered HIV knowledge questions correctly by age group

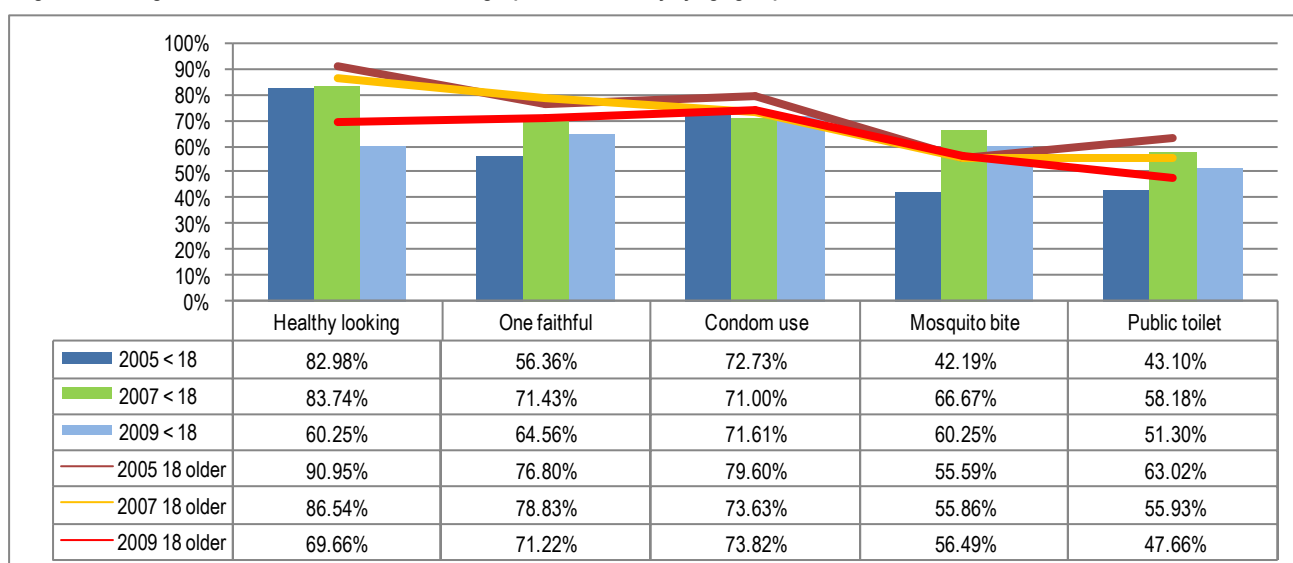
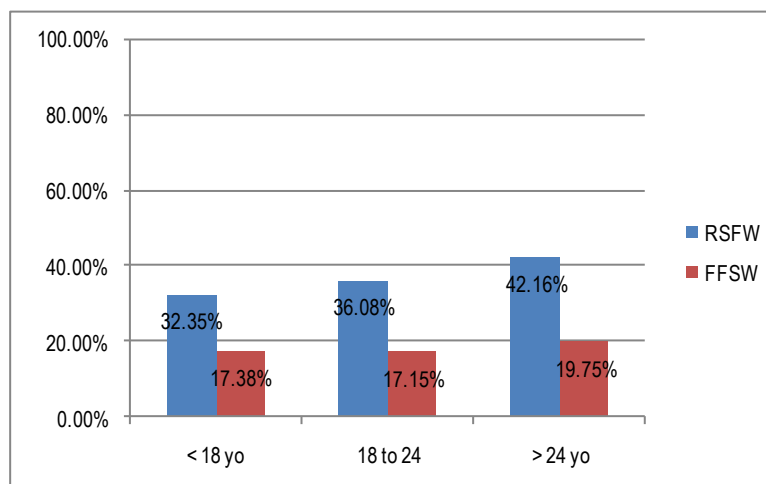
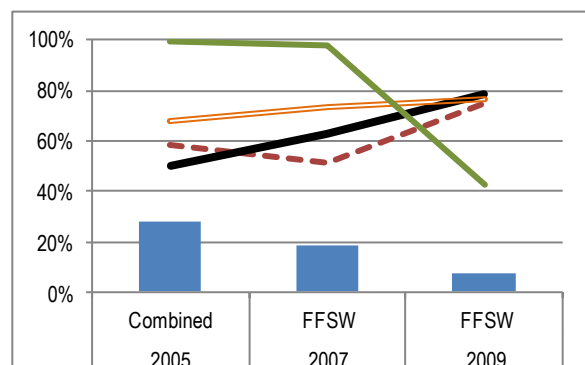
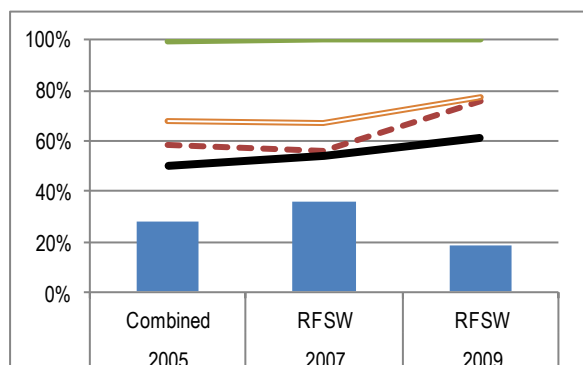
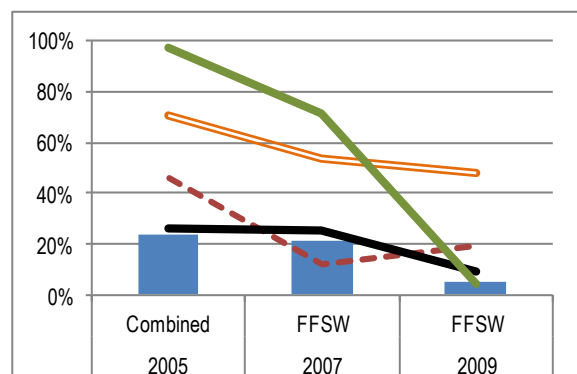
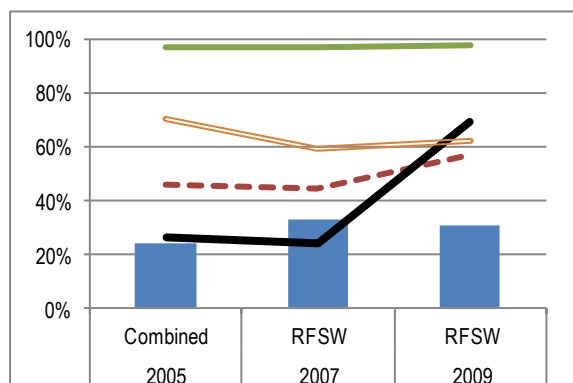
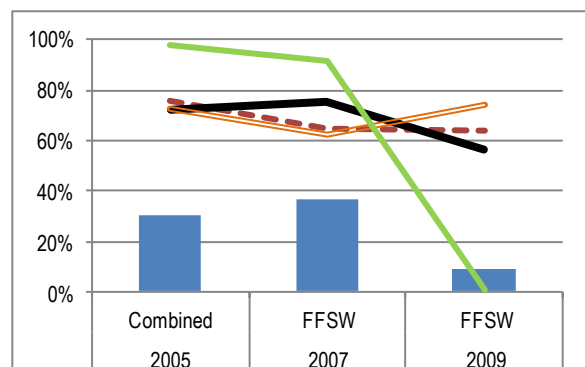
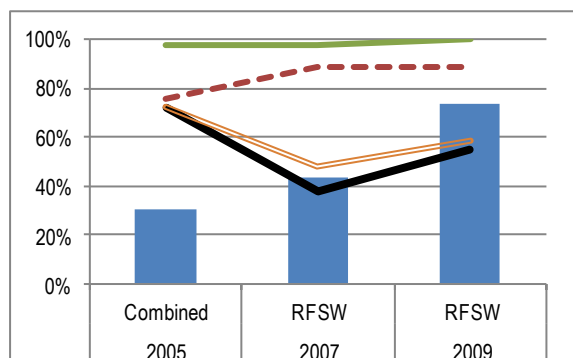
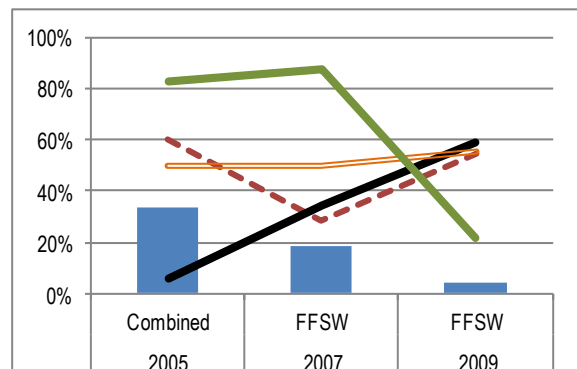
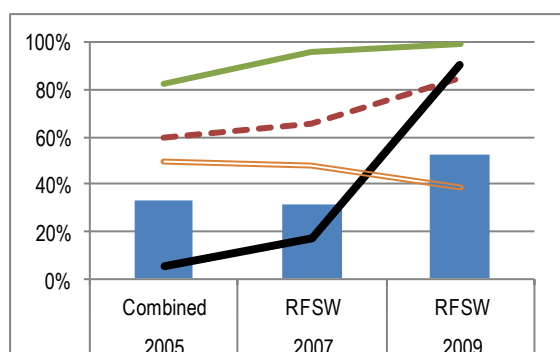


Fig 12. Percentage who answered all HIV knowledge questions correctly, 2009



KNOWLEDGE OF HIV

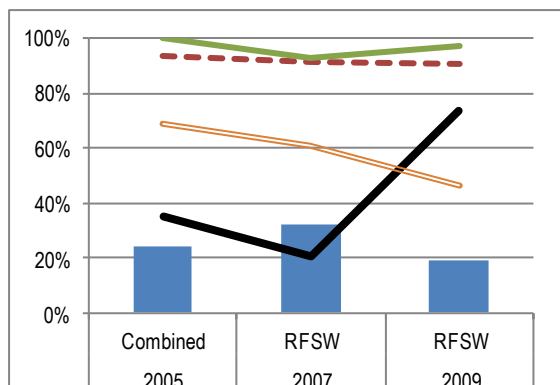
Fig 13. Percentage of FSWs who answered HIV knowledge questions correctly, their risk behaviors, and access to intervention by site & year



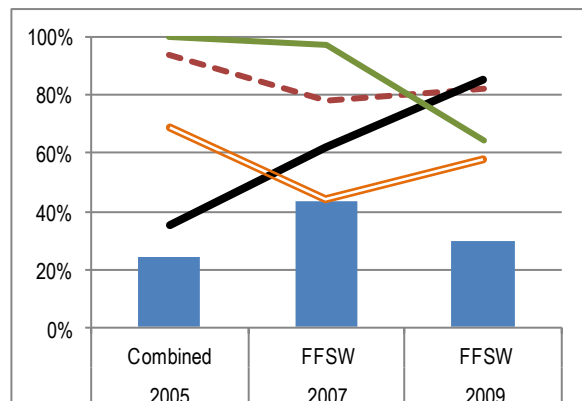
**Legend:**  
**All correct:** All 5 HIV knowledge questions answered correctly. **Condom use:** Used a condom during last sex w client. **Rcv condom:** Received a free condom in the past 12 months.  
**Vag smear:** Had a vaginal smear at the Social Hygiene Clinic in the past one month. **Feels at risk:** Feels he is at risk to get infected with HIV.

## KNOWLEDGE OF HIV

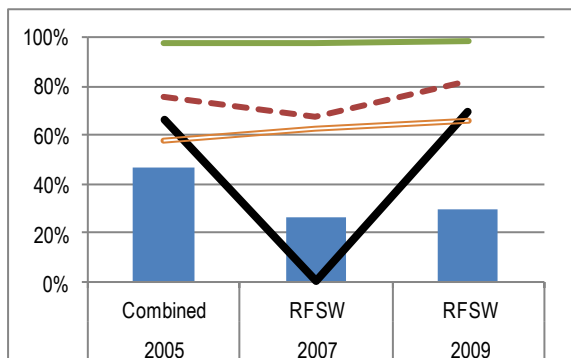
### Cebu



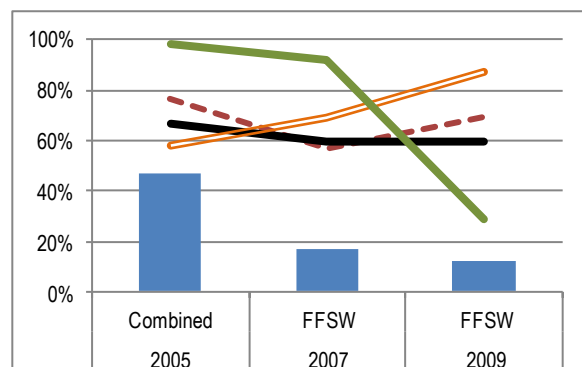
all correct  
condom use  
rcv condom  
feels at risk  
vag smear



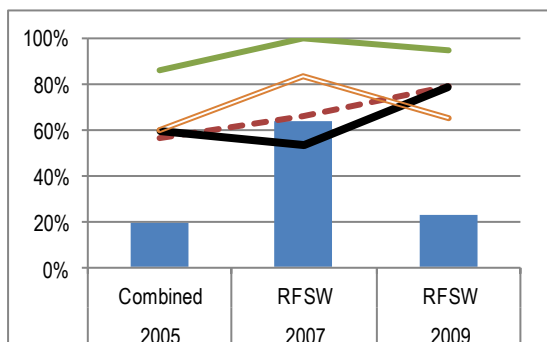
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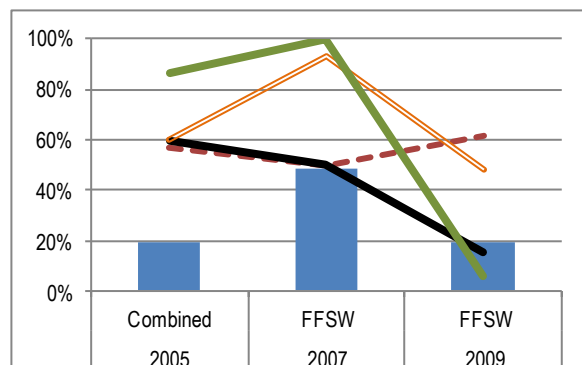
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condom use  
rcv condom  
feels at risk  
vag smear



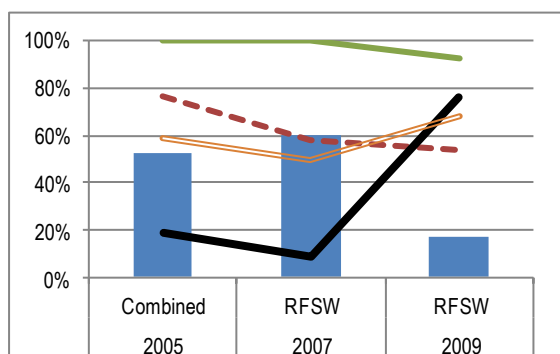
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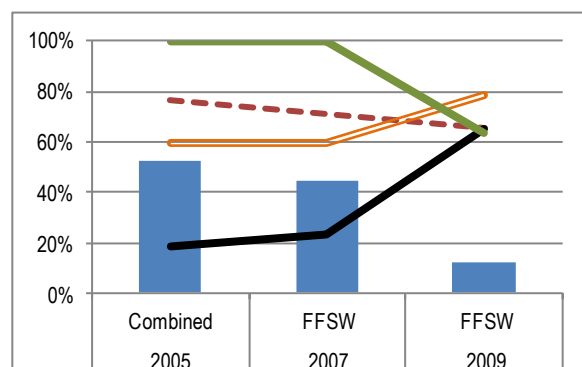
all correct  
condom use  
rcv condom  
feels at risk  
vag smear



### Iloilo



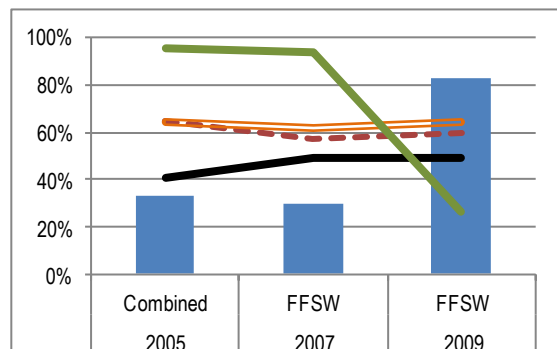
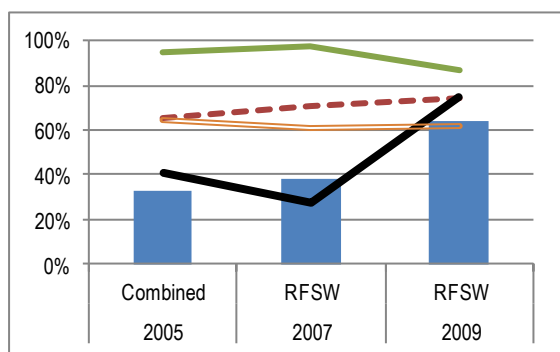
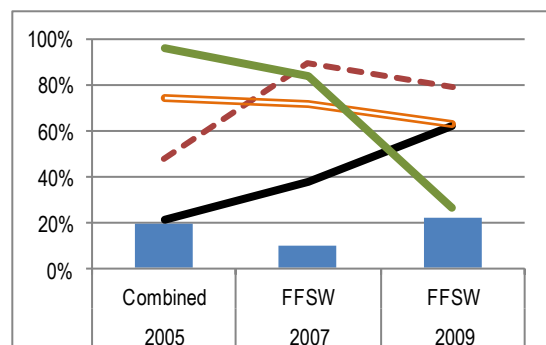
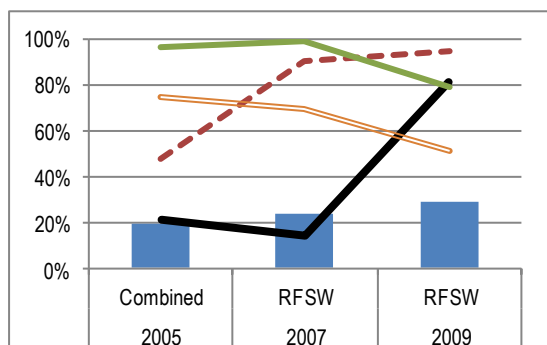
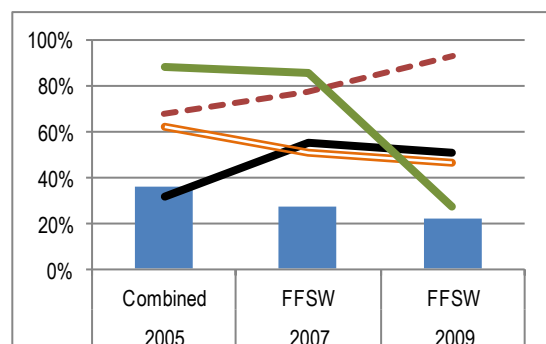
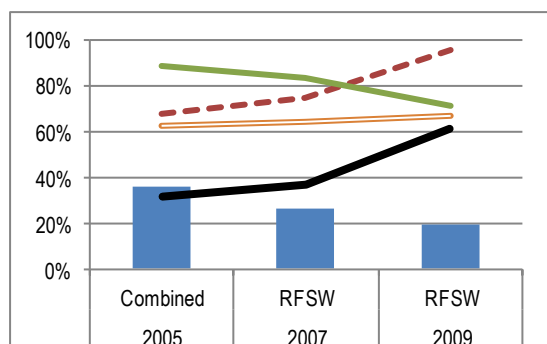
all correct  
condom use  
rcv condom  
feels at risk  
vag smear



**Legend:**  
**All correct:** All 5 HIV knowledge questions answered correctly. **Condom use:** Used a condom during last sex w client. **Rcv condom:** Received a free condom in the past 12 months.  
**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

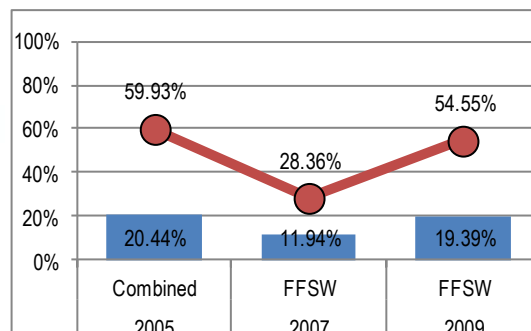
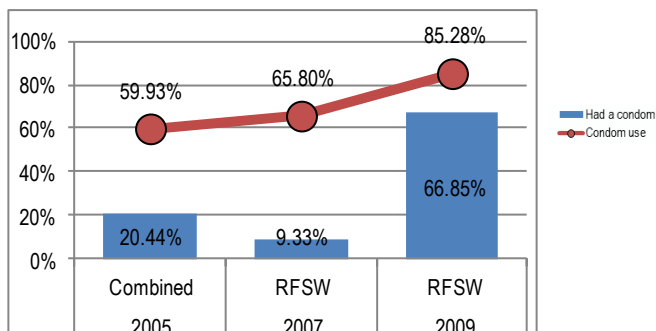


**Legend:**  
**All correct:** All 5 HIV knowledge questions answered correctly. **Condom use:** Used a condom during last sex w client. **Rcv condom:** Received a free condom in the past 12 months.  
**Vag smear:** Had a vaginal smear at the Social Hygiene Clinic in the past one month. **Feels at risk:** Feels he is at risk to get infected with HIV.

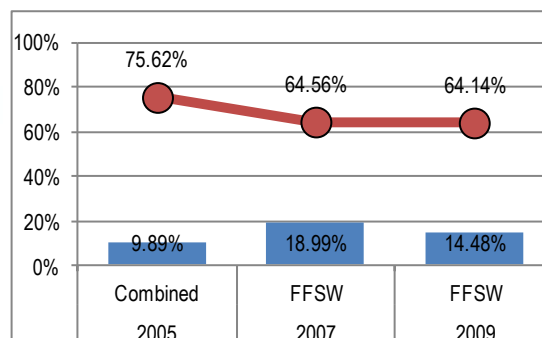
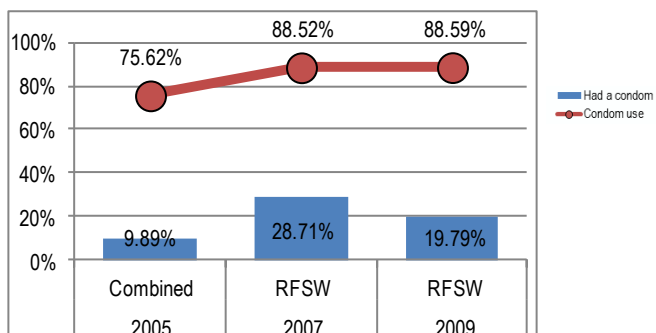
## RISK BEHAVIORS

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

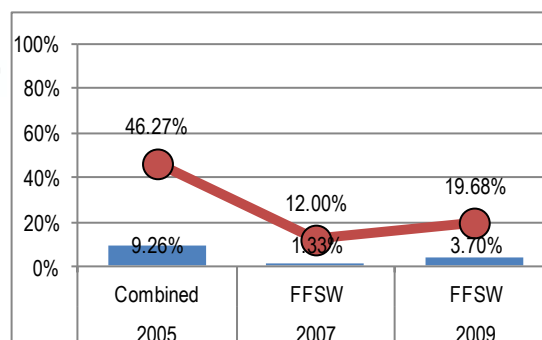
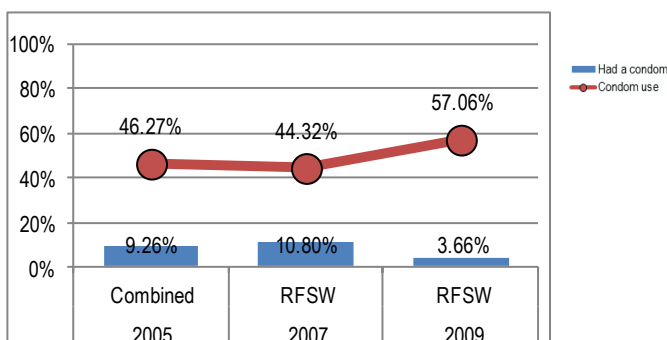
### Zamboanga



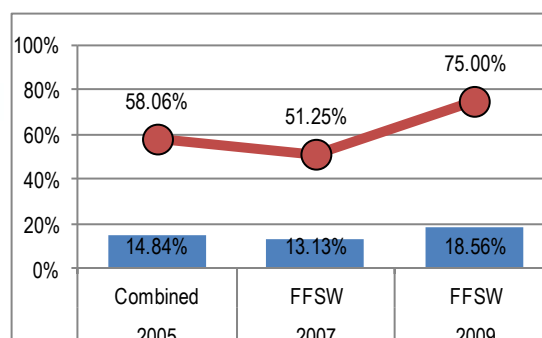
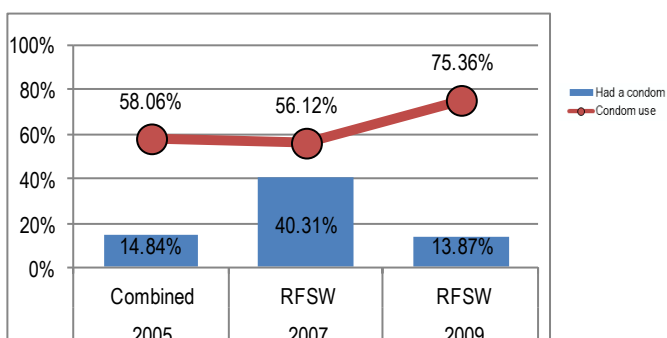
### Angeles



### Baguio

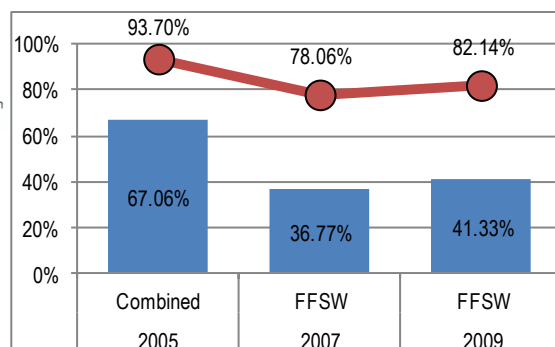
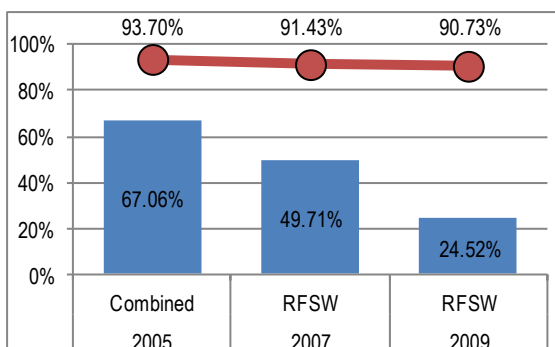


### Cagayan de Oro

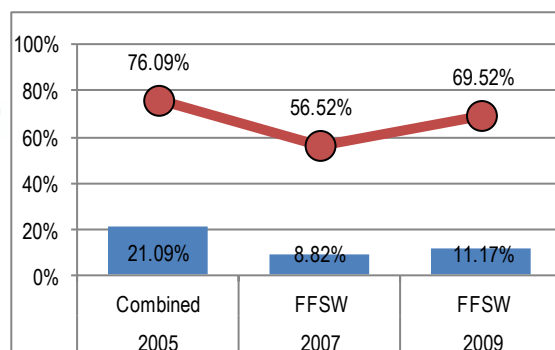
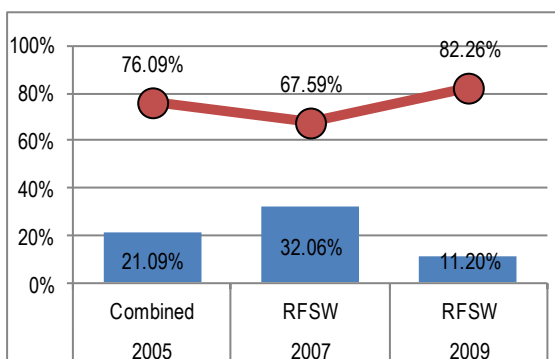


## RISK BEHAVIORS

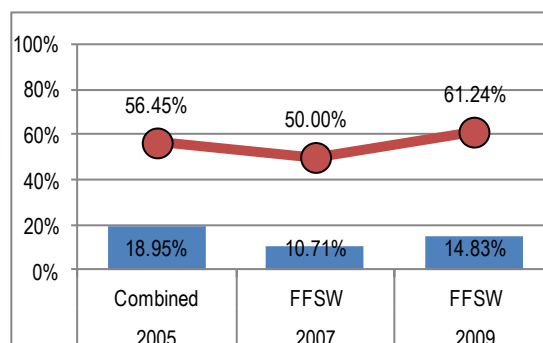
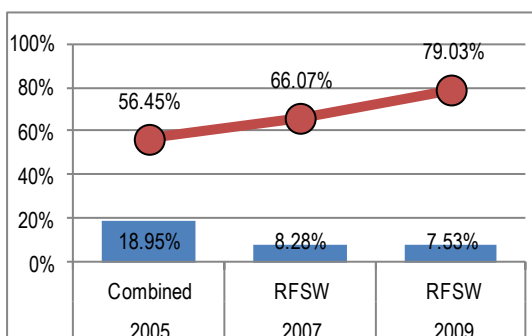
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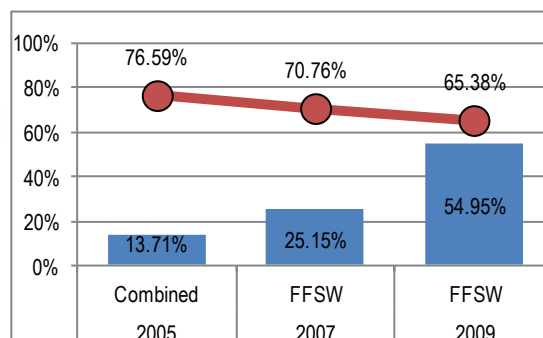
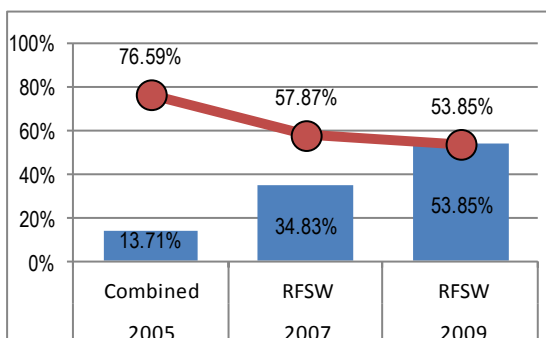
### Davao



### Gen Santos

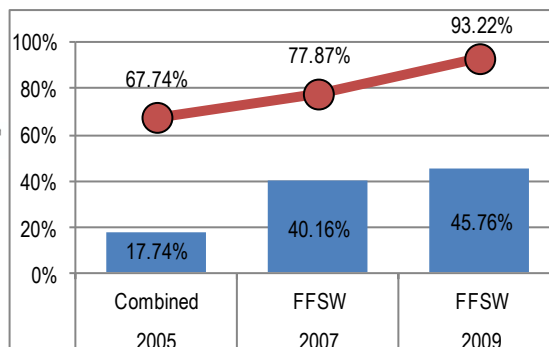
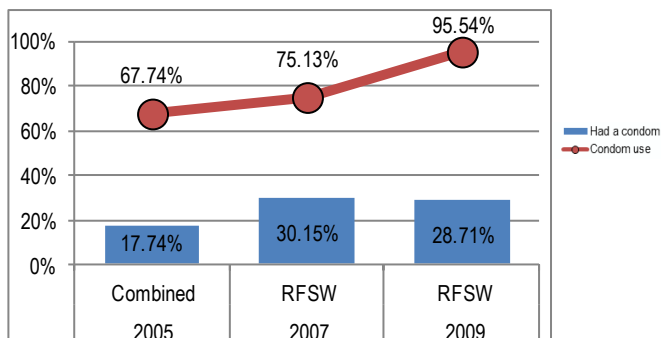


### Iloilo

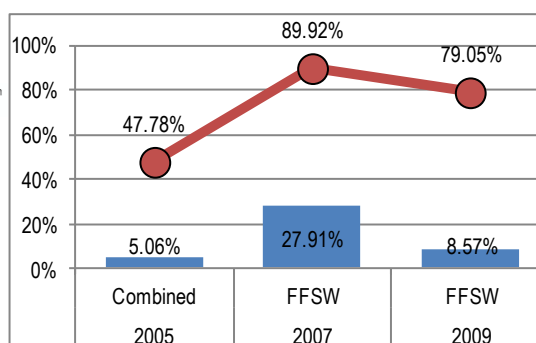
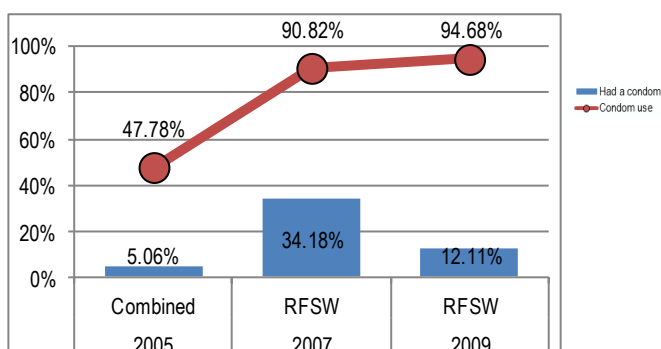


RISK BEHAVIORS

Pasay



Quezon



All Sites

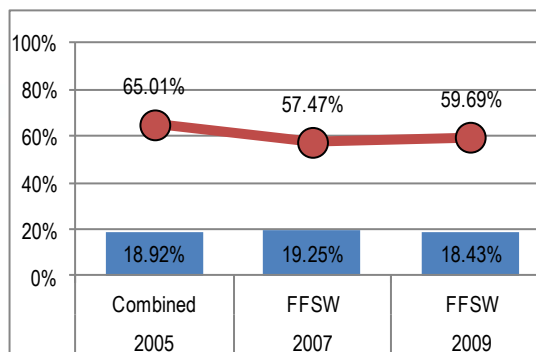
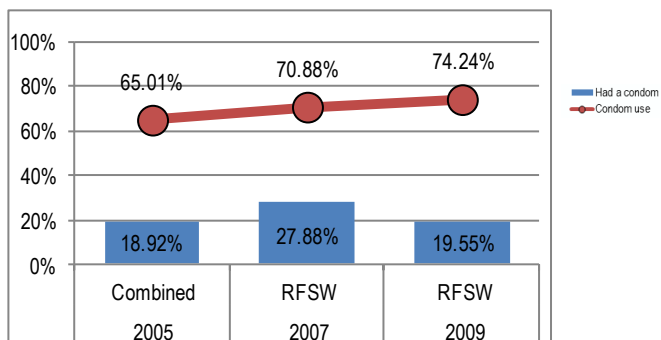
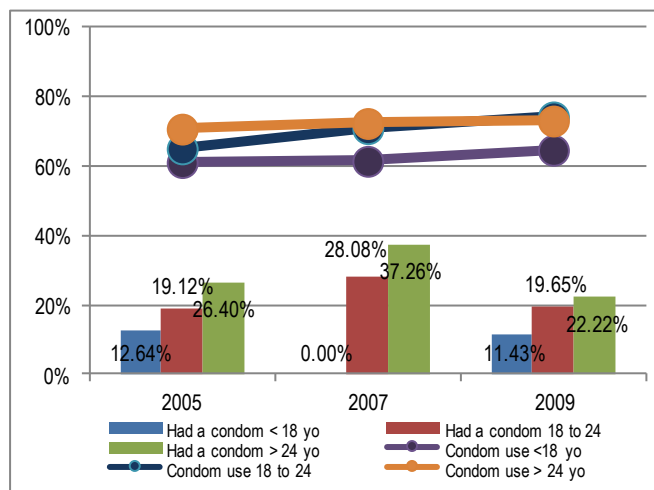
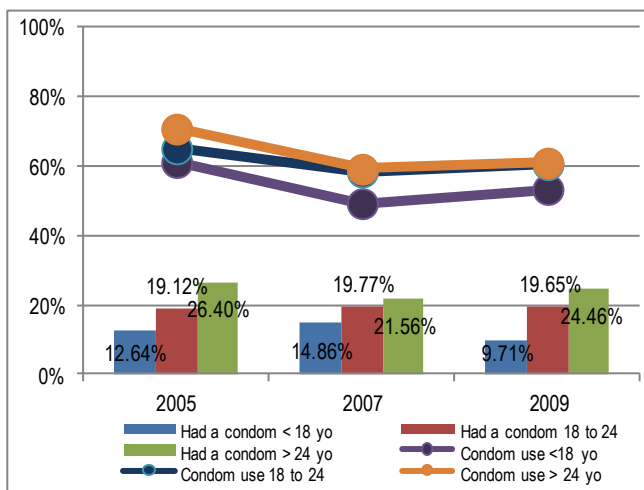


Fig 15. Percentage of FSW who had a condom & condom use during sex with last client by Age Group & Year



RFSW



FFSW

## RISK BEHAVIORS

Fig 16. Condom use of RFSW during last sex with client and last sex with client under the influence of alcohol, 2009

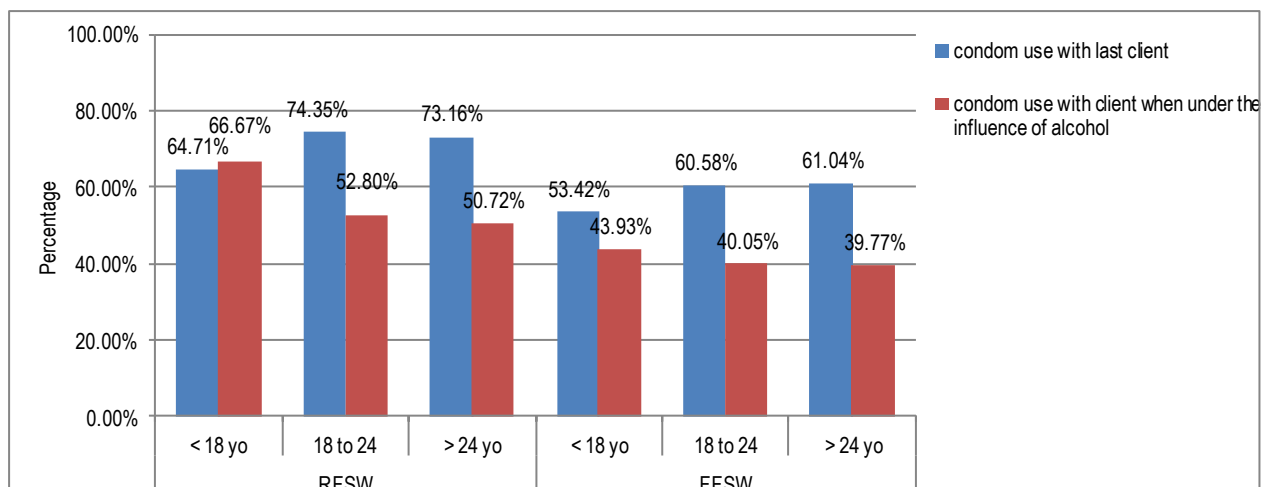
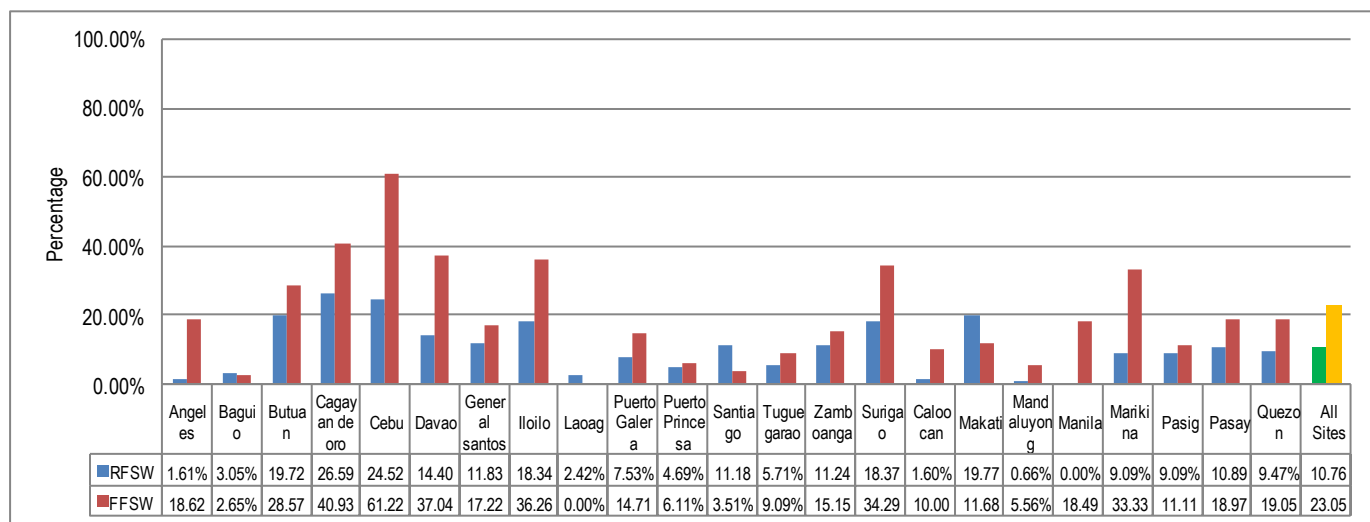


Fig 17. Percentage of FSW using drugs, 2009



Note: Laoag has no Freelance Female Sex Workers (FFSW) in 2009 while Manila has no Registered Female Sex Workers (RFSW).

Table 4. Sites with FSW who inject drugs, 2009

Site	RFSW	FFSW
Butuan	-	2
Cagayan de Oro	1	3
Cebu	-	23
Davao	-	7
Gen Santos	-	2
Iloilo	1	2
Puerto Galera	1	-
Tuguegarao	1	-
Zamboanga	-	1
Surigao	1	-
Manila	-	3
Pasay	2	-
Total	7 (2.11%)	43 (7.39%)

## INTERVENTION

Fig 18. Percentage of FSW less than 25 years old who got a vaginal smear in past month, 2009

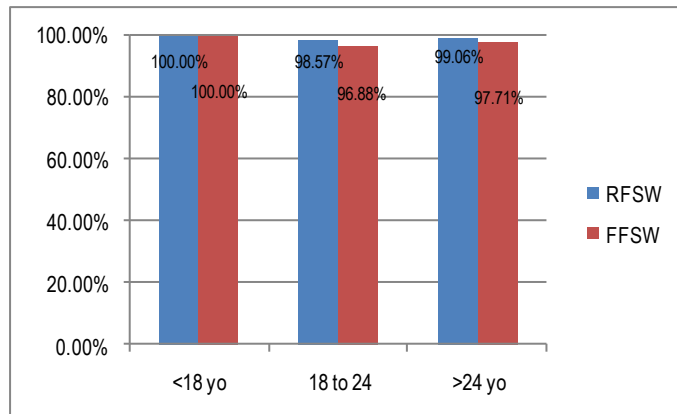


Fig 19. Percentage of FFSW who availed of SHC services

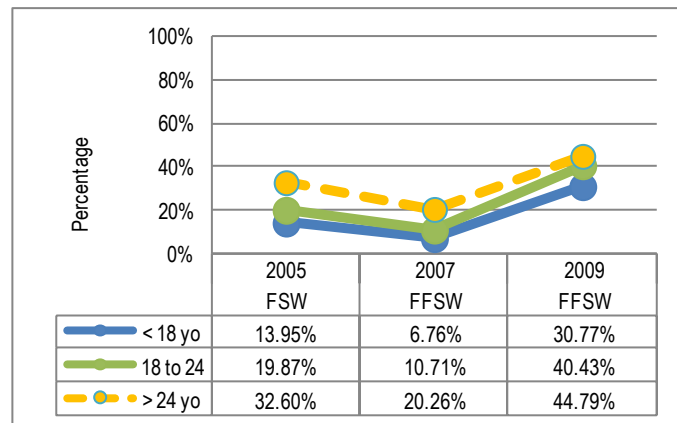


Fig 20. Percentage of RFSW who received a free condom

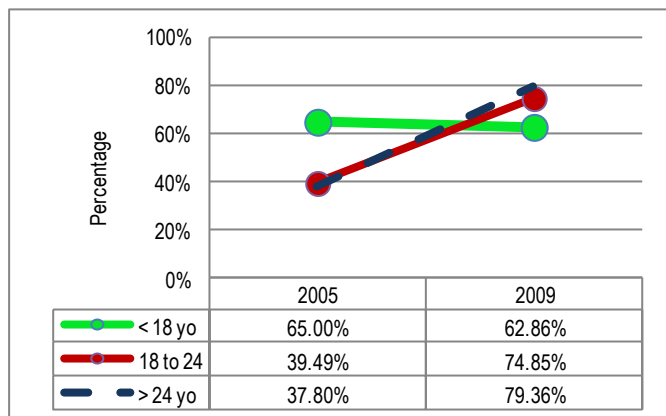


Fig 21. Percentage of FFSW who received a free condom

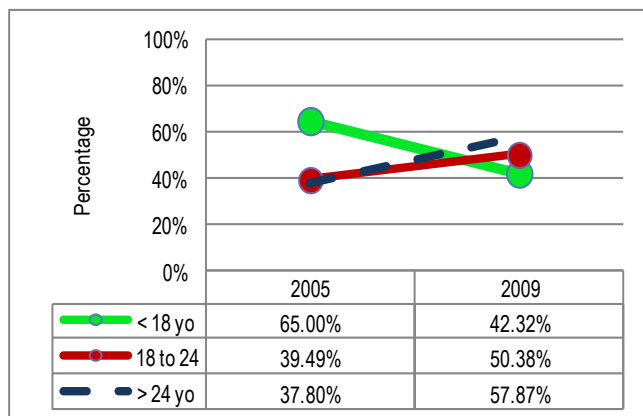
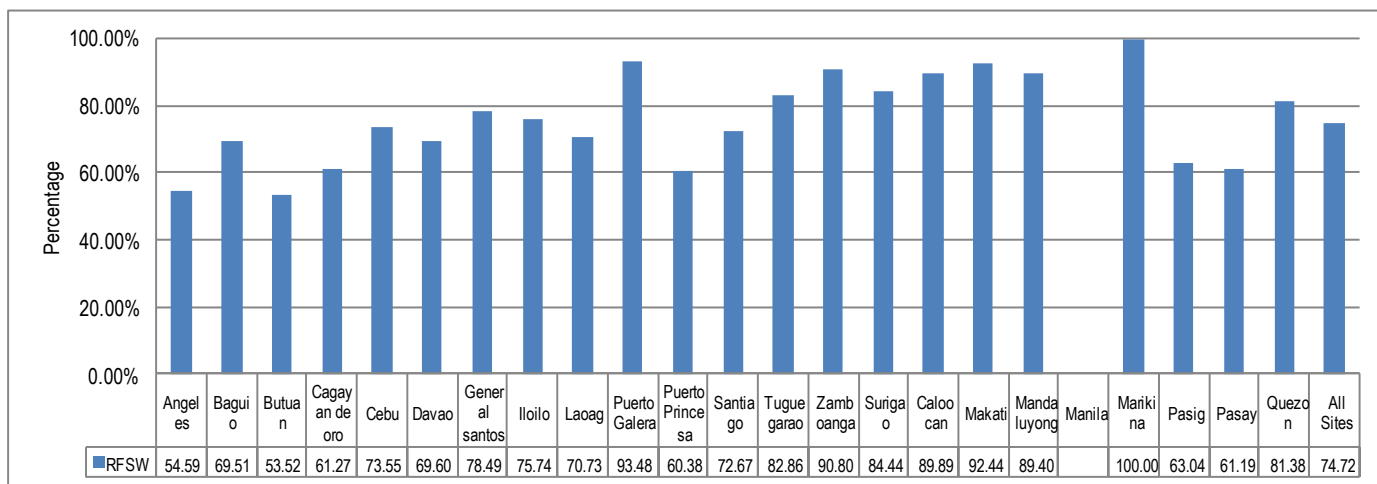


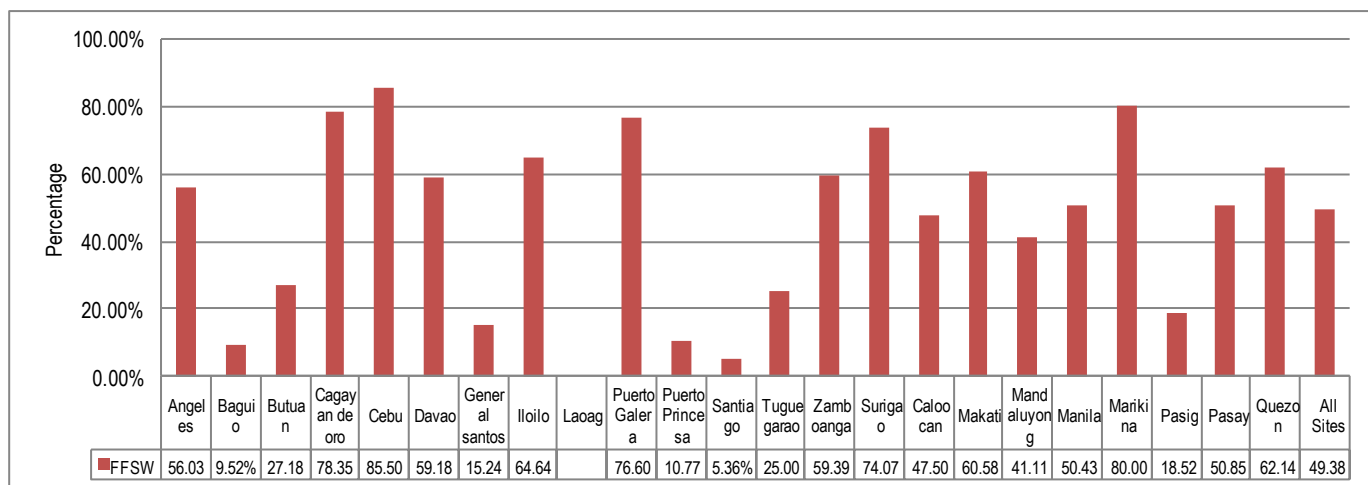
Fig 22a. Percentage of RFSW who received a free condom by site, 2009



Note: Laoag has no Freelance Female Sex Workers (FFSW) in 2009 while Manila has no Registered Female Sex Workers (RFSW).

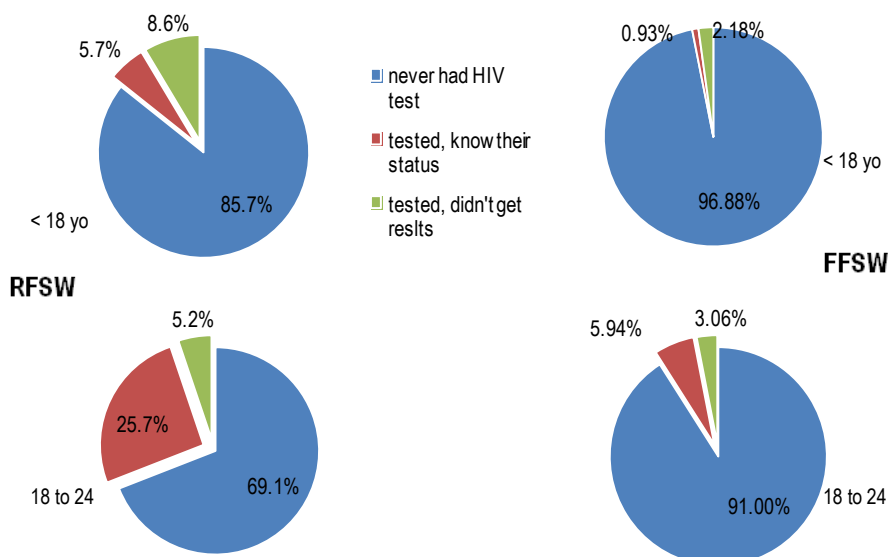
## INTERVENTION

Fig 22b. Percentage of FFSW who received a free condom by site, 2009



Note: Laoag has no Freelance Female Sex Workers (FFSW) in 2009 while Manila has no Registered Female Sex Workers (RFSW).

Fig 23. Percentage ever tested for HIV &amp; know their HIV status, 2009



Among RFSWs aged more than 24 years old, almost 60% never had a HIV test, 30.9% had a test and know their results and only 9.3% had a test but did not get their results. On the other hand, 80.78% of Freelance FSWs aged more than 24 years old never had a HIV test. Only 12.51% had a test and got their results and about 7% had a test but did not get their results.

Table 5. Characteristics of sero-negative and sero-positive respondents in selected sites, 2009

	RFSW		FFSW	
	Syphilis Negative	Syphilis Positive	Syphilis Negative	Syphilis Positive
Respondents (N)	2,652	8	2,265	34
Age range (Median)	15-24 (21)	19-23 (22)	15-24 (20)	16-24 (20)
Educational Attainment: High School	74.58%	87.50%	69.17%	50.00%
Living with a partner	26.12%	37.50%	34.90%	48.48%
Knowledge: All correct	35.53%	50.00%	16.66%	9.38%
Feels at risk to get HIV	60.15%	87.50%	63.82%	61.76%
Number of male clients in a month	1-170 (4)	1-15 (4)	1-400 (5)	1-90 (10)
Used a condom with last client	76.20%	75.00%	61.50%	73.53%
Has a condom during time of interview	21.24%	25.00%	19.54%	17.65%
Had a vaginal smear in the past month	99.71%	0.29%	97.05%	2.95%
Has had an HIV test and know the results	22.76%	12.50%	5.49%	2.94%
Received a free condom	74.84%	62.50%	50.91%	55.88%

\*Sites with syphilis positive respondents: Angeles, Baguio, Cagayan de Oro, Cebu, Davao, Gen Santos, Iloilo, Laoag, Puerto Galera, Puerto Princesa, Zamboanga, Calocan, Makati, Mandaluyong, Manila, Pasay, Pasig, Quezon

**Males who have sex with  
Males (MSM)**





# 2005-2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## MALES WHO HAVE SEX WITH MALES

*IBHSS 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

## DEMOGRAPHIC PROFILE

Table 1. Age profile

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

The IBHSS 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 29 years throughout the three surveillance years. The youngest respondent was 13 years old, the oldest was 67 years old.

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

Fig 1. Distribution of MSM by age group & year

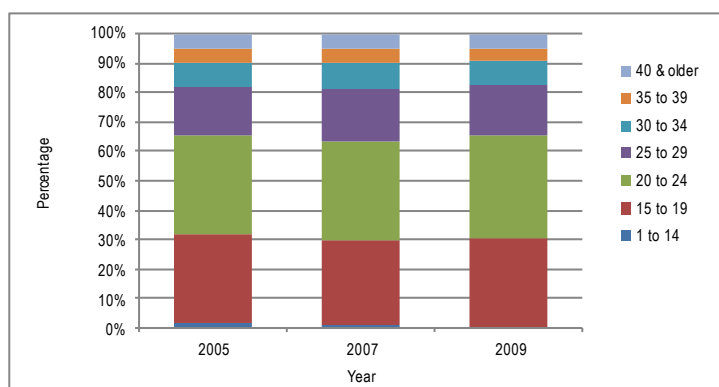
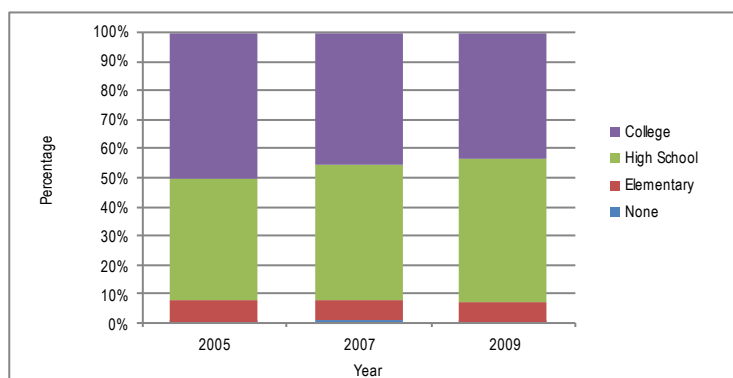


Fig 2. Distribution of MSM by educational attainment & year



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

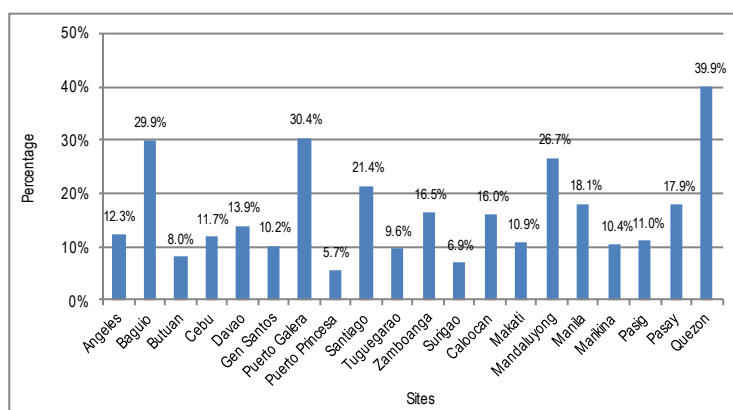
Table 2. Civil status

	2005	2007	2009
Single	93.2%	92%	93.2%
Married	5.60%	6.90%	5.50%
Separated/Widow	1.20%	1.10%	1.40%

In all three 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, Quezon City had the highest percentage of MSM with live-in partners, followed by Baguio and Puerto Galera. Puerto Princesa had the least percentage among the sites.

Fig 3. Percentage living with a partner by site, 2009



## KNOWLEDGE OF HIV

Fig 4. Percentage who answered HIV knowledge questions correctly by age group

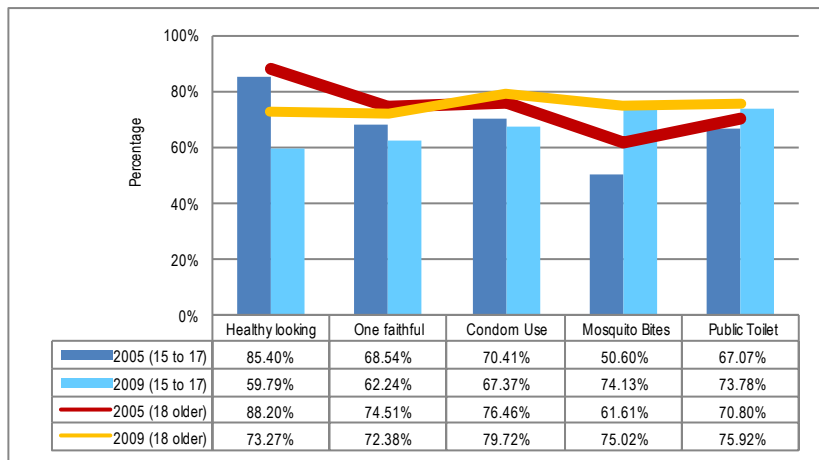
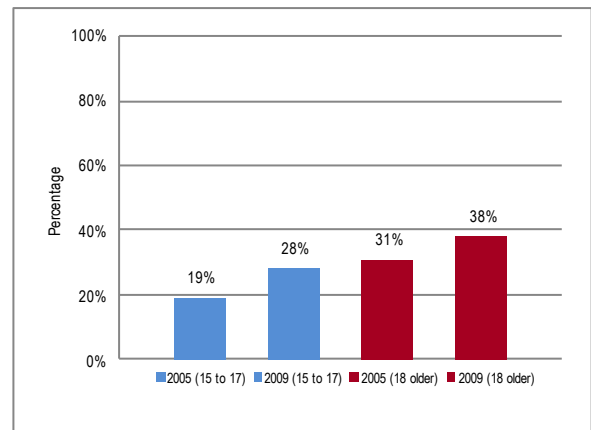


Figure 4 shows that there were low percentages of respondents who disagreed that HIV can be transmitted through mosquito bites and public toilets. However, the knowledge of youth and adults were the same for these two knowledge questions compared to the bigger disparity in other questions.

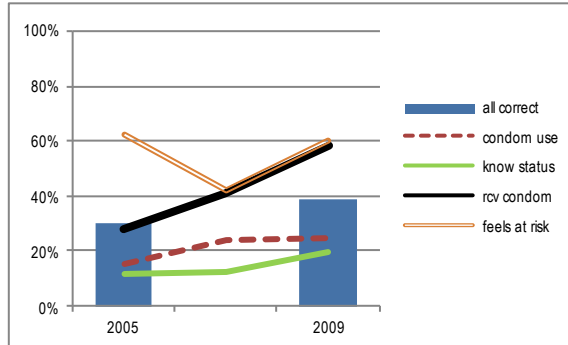
Fig 5. Percentage who answered all HIV knowledge questions correctly



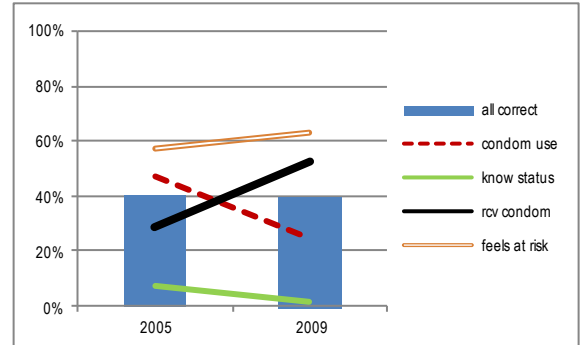
38% of adult respondents in 2009 answered all five knowledge questions correctly compared to the 28% among youth.

Fig 6. Percentage of MSM who answered all HIV knowledge questions correctly, used a condom last anal sex, knows his HIV status, received a condom and feels at risk in selected sites by year

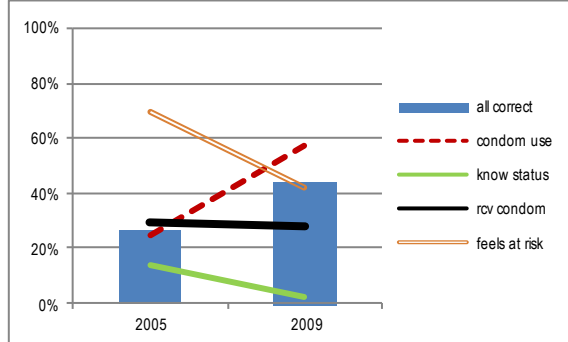
Zamboanga



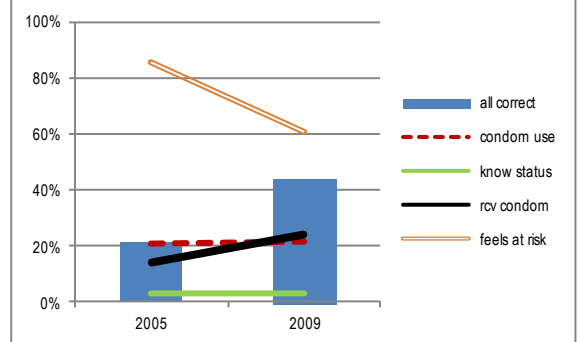
Davao



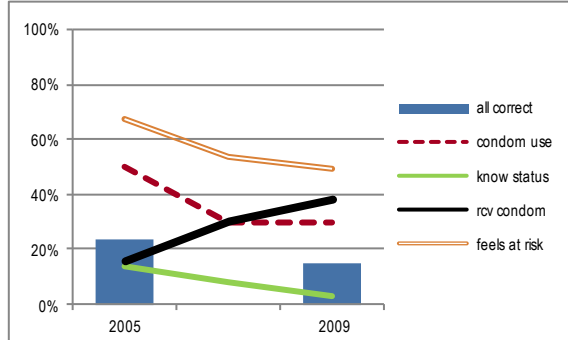
Angeles



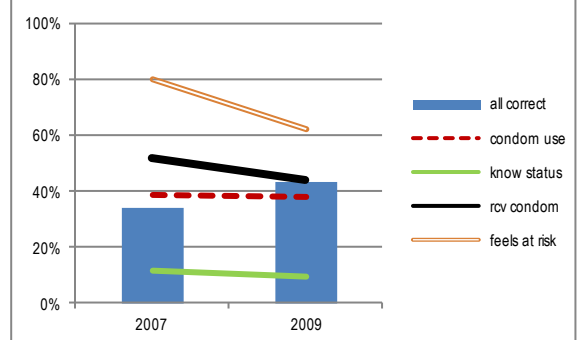
Gen Santos



Cebu



Metro Manila



**Legend:**  
**All correct:** All 5 HIV knowledge questions answered correctly. **Condom use:** Used a condom during last anal sex. **Know status:** Has had an HIV test and know the results. **Rcv condom:** Received a free condom in the past 12 months. **Feels at risk:** Feels he is at risk to get infected with HIV.

## RISK BEHAVIORS

Fig 7. Type of sex acts practiced, 2009

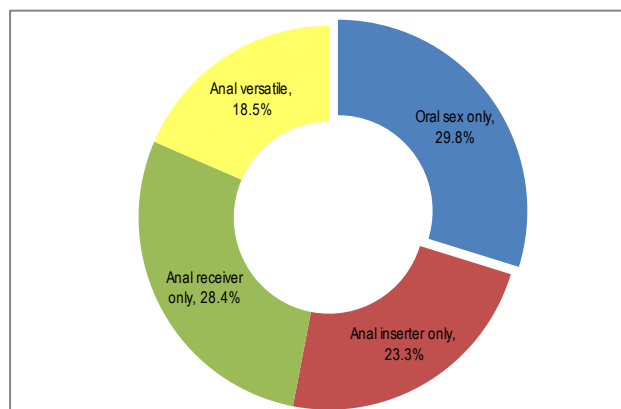


Fig 8. Percentage of MSM having anal sex &amp; condom use during last anal sex in all sites

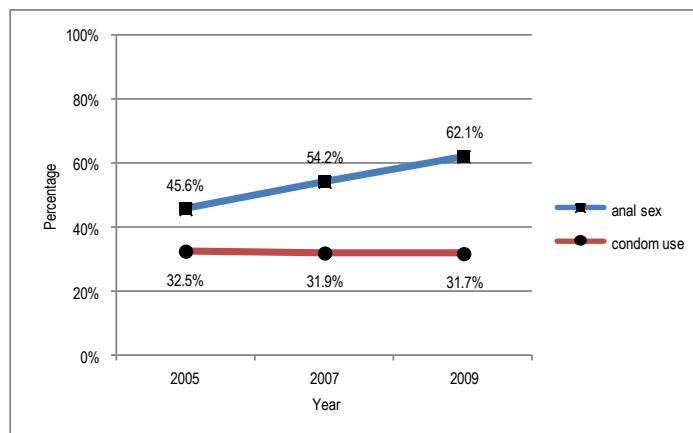
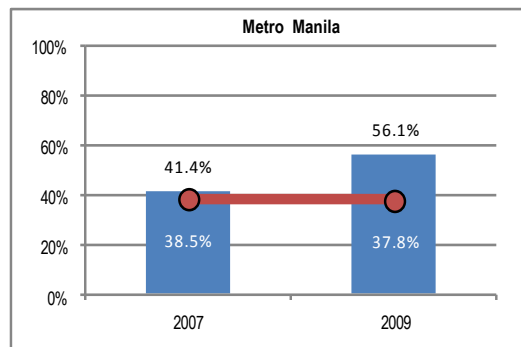
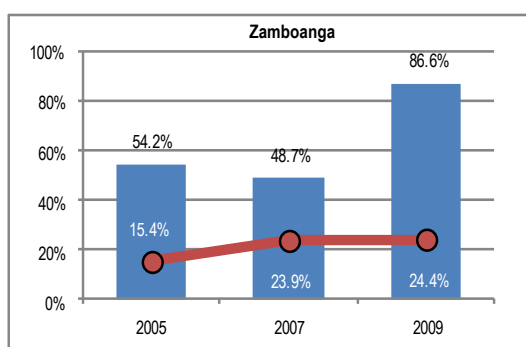
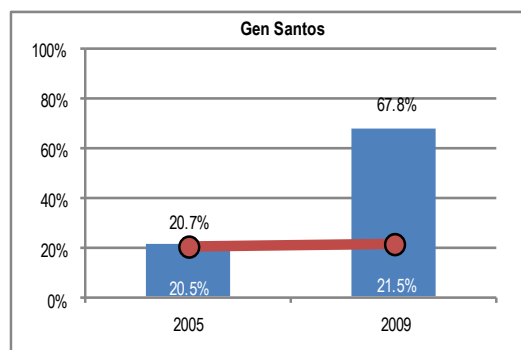
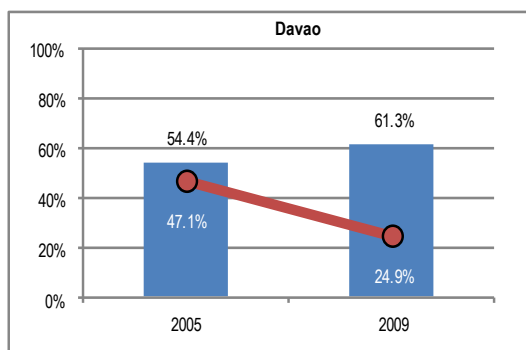
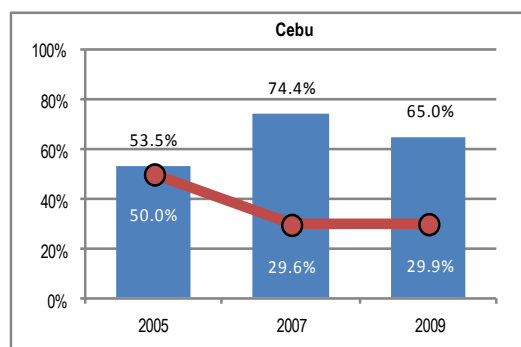
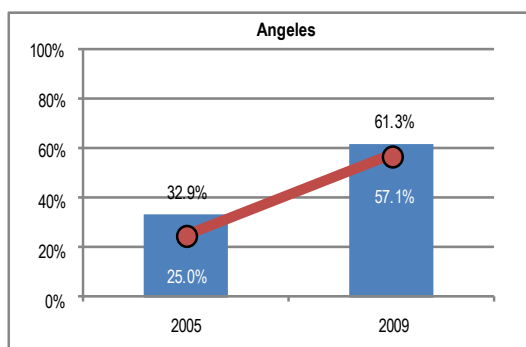


Fig 9. Percentage of MSM having anal sex &amp; condom use during last anal sex in selected sites



## RISK BEHAVIORS

Fig 10. Relationship with first male sex partner, 2009

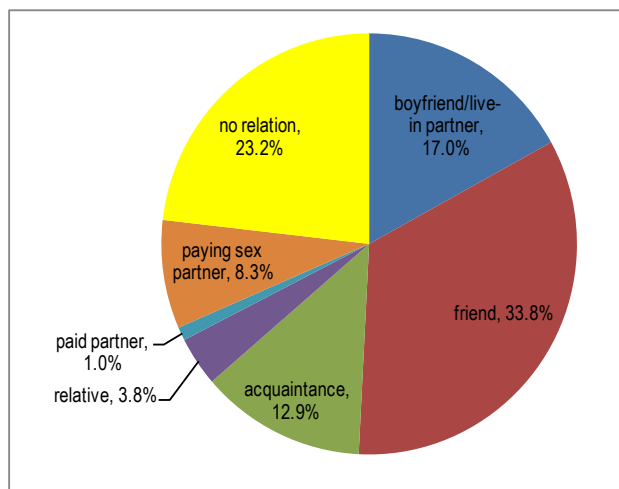


Fig 11. Percentage who participated in an orgy in the past 12 months, 2009

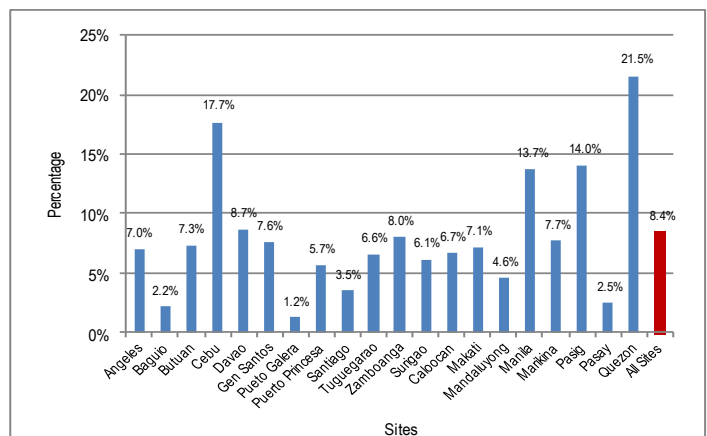


Fig 12. Condom use last anal sex and last sex under the influence of alcohol, 2009

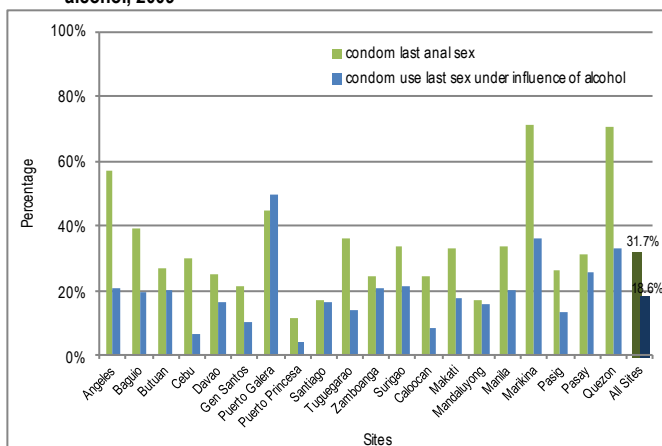
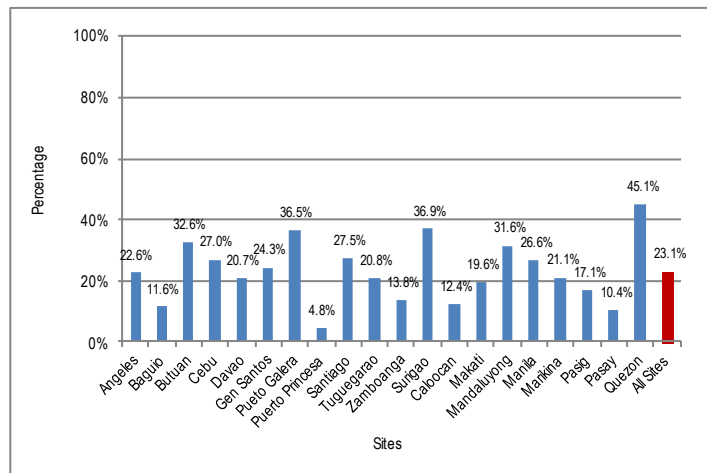


Fig 13. Percentage of MSM using drugs, 2009



73.43% were under the influence of alcohol the last time they had sex.

Table 3. Characteristics of sero-negative and sero-positive respondents in selected sites\*, 2009

	Syphilis Negative	Syphilis Positive	HIV Negative	HIV Positive
Respondents (N)	3,792	90	3,094	45
Age range (Median)	15-65 (22)	17-53 (26)	15-65 (22)	15-37 (24)
Educational Attainment: College	42.91%	48.89%	42.50%	66.67%
Civil Status: Married	6.04%	3.33%	5.35%	0.00%
Living with a partner	16.75%	17.78%	15.32%	8.89%
Knowledge: All correct	37.77%	42.70%	40.43%	36.36%
Feels at risk to get HIV	60.47%	62.22%	60.48%	68.18%
Had sex with a woman (past 12 months)	31.78%	17.78%	33.74%	15.56%
Number of male sex partners	1-70 (4)	1-33 (5)	1-70 (4)	1-20 (6)
Sold sex/Accepted payment for sex (past 12 months)	41.51%	38.89%	40.30%	46.67%
Paying clients/Bought sex from sex workers (past 12 months)	71.91%	78.85%	68.19%	58.33%
Use condom during last anal sex	32.03%	23.94%	31.93%	32.14%
Received free condom	40.30%	54.44%	39.50%	36.36%

\*Sites with syphilis positive respondents: Angeles, Baguio, Cebu, Davao, Gen Santos, Puerto Galera, Puerto Princesa, Santiago, Zamboanga, Calocan, Makati, Mandaluyong, Manila, Marikina, Pasay, Pasig, Quezon

\*Sites with HIV positive respondents: Angeles, Butuan, Cebu, Davao, Gen Santos, Puerto Princesa, Calocan, Makati, Mandaluyong, Manila, Marikina, Pasay, Quezon

## INTERVENTION

Fig 14. Percentage who received a free condom, 2005 &amp; 2009

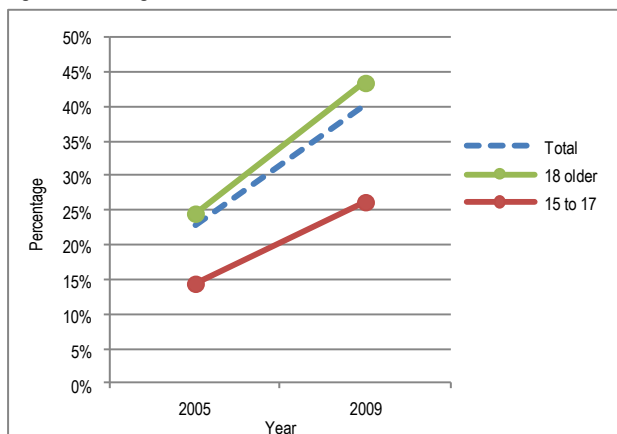


Fig 15. Percentage who received a free condom by site, 2009

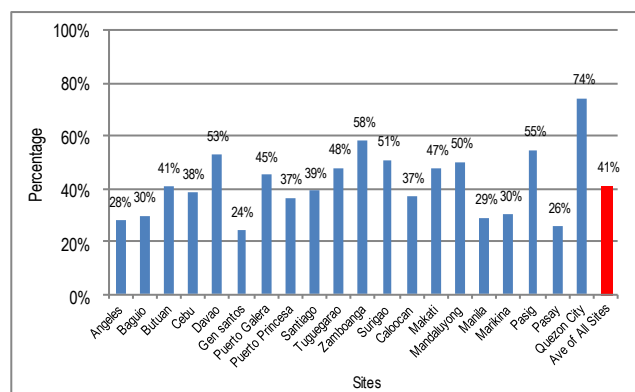


Fig 16. Percentage who accessed HIV/STI services of SHC, 2005 &amp; 2009

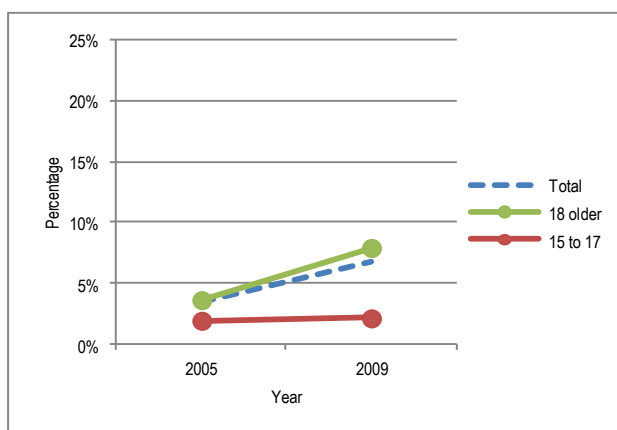
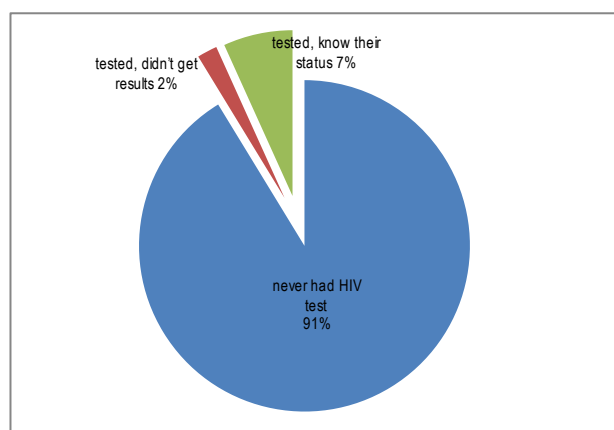


Fig 17. Percentage ever tested for HIV &amp; know their HIV status, 2009

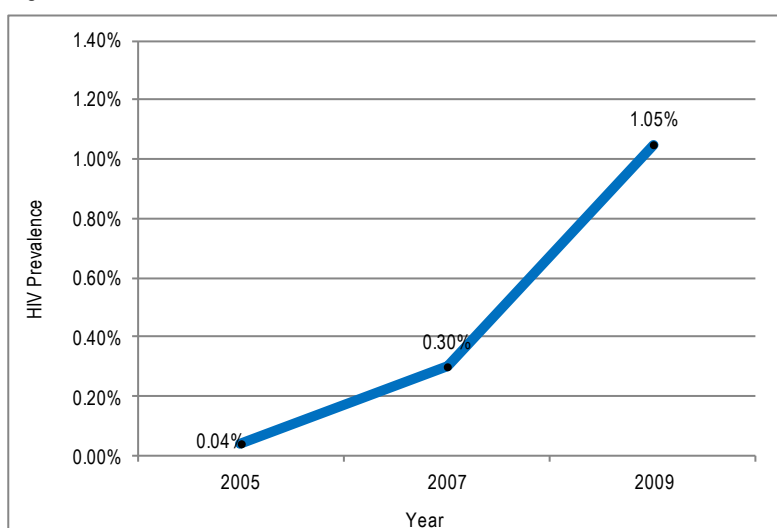


## PREVALENCE

Table 4. Syphilis &amp; HIV Prevalence, 2009

Site	Syphilis Prevalence (%)	HIV Prevalence (%)
Angeles	1.00	0.33
Baguio	0.66	0.00
Cebu	2.00	1.00
Davao	0.67	3.67
Gen Santos	1.33	0.67
Zamboanga	9.67	0.00
Pasay	3.96	1.49
Quezon	1.44	1.44
Makati	0.71	0.71
Mandaluyong	1.30	3.25
Marikina	2.75	0.34
Pasig	8.25	0.00
Manila	3.01	3.68
Caloocan	1.33	0.67
Puerto Princesa	1.33	0.33
Butuan	0.00	0.33
Puerto Galera	1.14	0.00
Tuguegarao	0.00	0.00
Santiago	0.58	0.00
Surigao	0.00	0.00

Fig 18. National HIV Prevalence of MSM, 2005-2009



**Youth MSM**



# 2005-2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## YOUTH: MALES WHO HAVE SEX WITH MALES

2009 IHBS 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

## DEMOGRAPHIC PROFILE

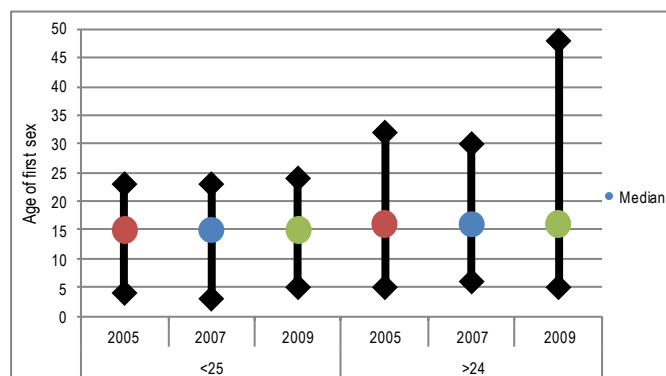
Table 1. Age profile

	2005	2007	2009
Total Sample	1,098	673	2,842
Age Range (median)	13-24 (20)	13-24 (20)	15-24 (20)
<18 years old	22.41%	18.42%	20.97%
18 to 24 yo	77.60%	81.58%	79.03%

Table 2. Civil Status

	2005	2007	2009
Single	97.06%	96.43%	96.07%
Married	2.28%	3.42%	2.61%
Separated	0.64%	0.15%	0.42%

Fig 1. Age of first sex by year



For the age of first sex with another male, the median age for youth respondents was 16 years (age range: 5 to 24 years). For respondents who were 25 years and older, median age was 17 years (age range: 5 to 48 years).

Fig 2. Distribution of MSM youth by age group and year

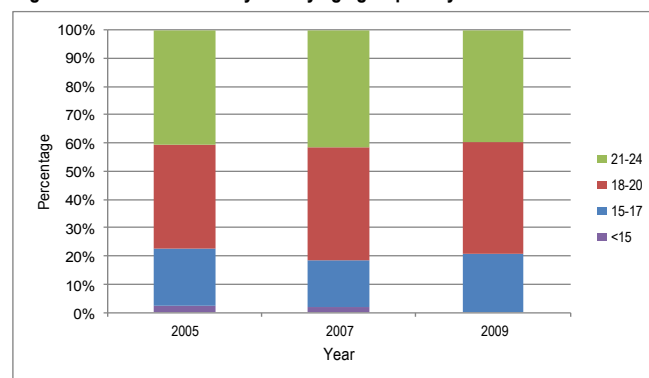


Fig 3. Distribution of MSM youth by educational attainment & year

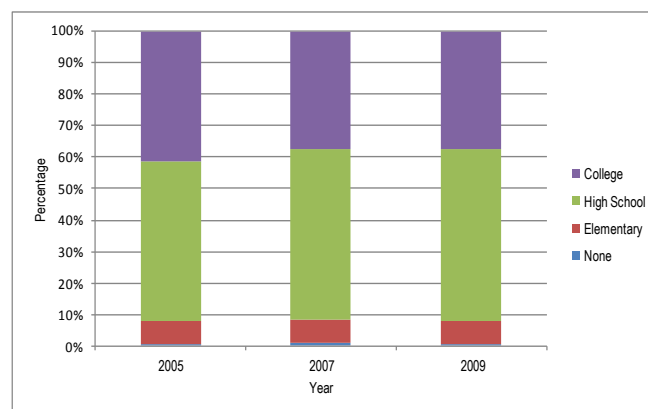
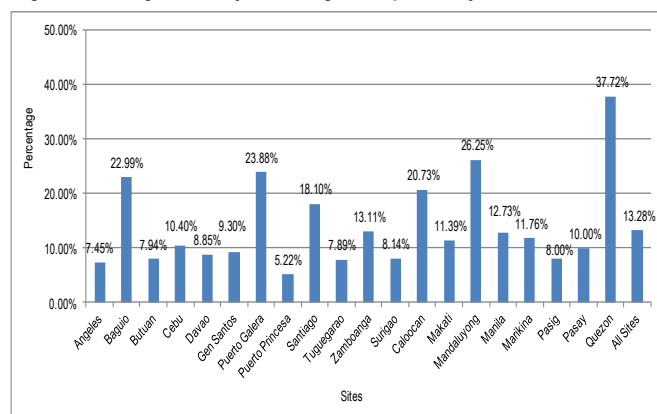


Fig 4. Percentage of MSM youth living with a partner by site, 2009



# KNOWLEDGE OF HIV

Fig 5. Percentage who answered HIV knowledge questions correctly by age group, 2009

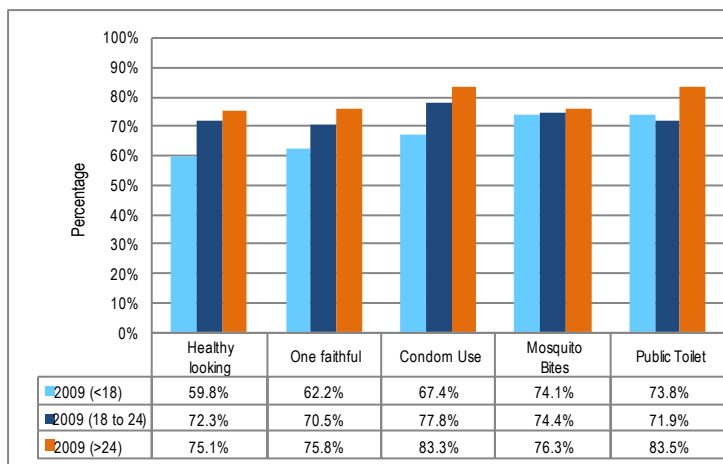


Fig 6. Percentage who answered all HIV knowledge questions correctly

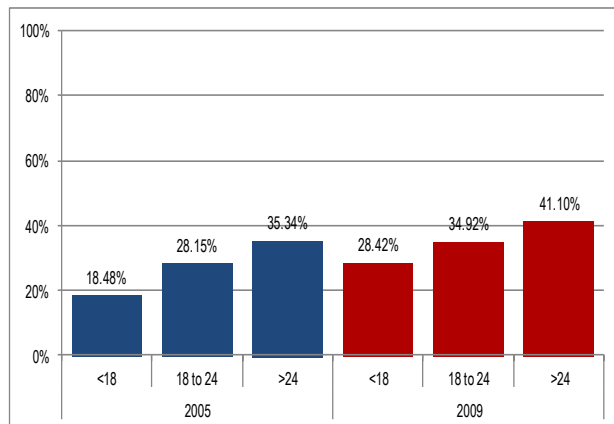
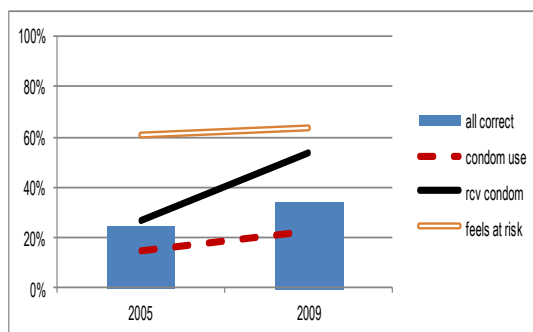
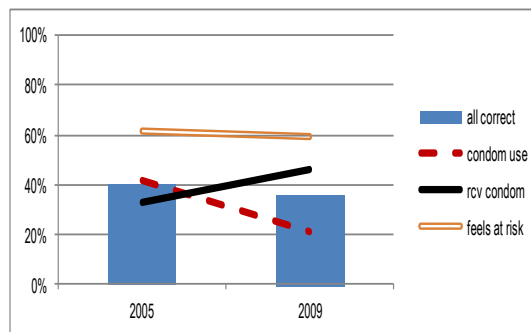


Fig 7. Percentage of MSM who answered all HIV knowledge questions correctly, used a condom last anal sex, received a condom and feels at risk in selected sites by year

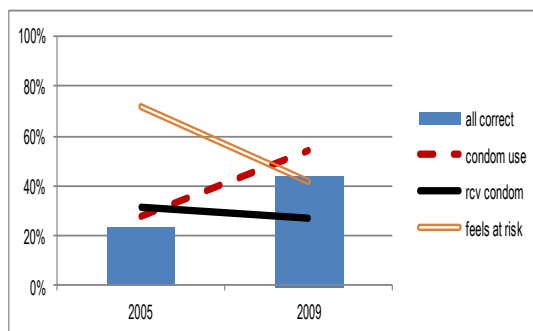
## Zamboanga



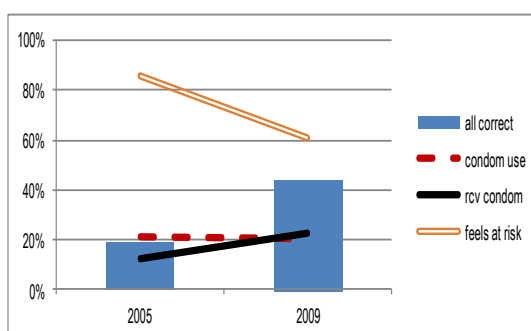
## Davao



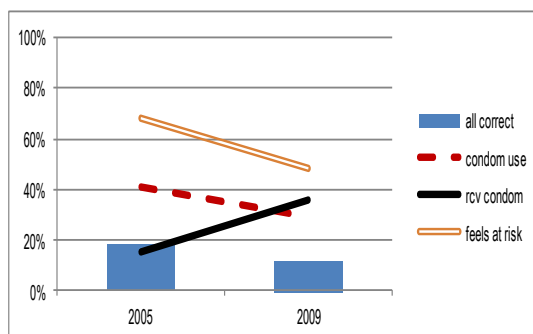
## Angeles



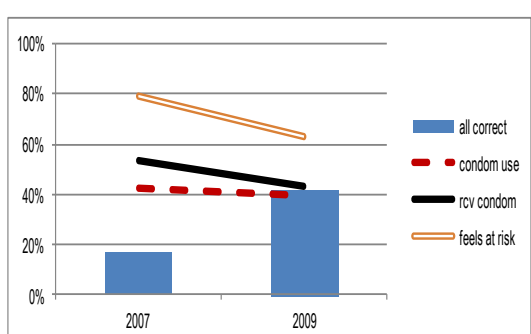
## Gen Santos



## Cebu



## Metro Manila



Legend:  
All correct: All 5 HIV knowledge questions answered correctly. Condom use: Used a condom during last anal sex. Rcv condom: Received a free condom in the past 12 months. Feels at risk: Feels he is at risk to get infected with HIV.



# RISK BEHAVIORS

Fig 8. Type of sex acts practiced by age group, 2009

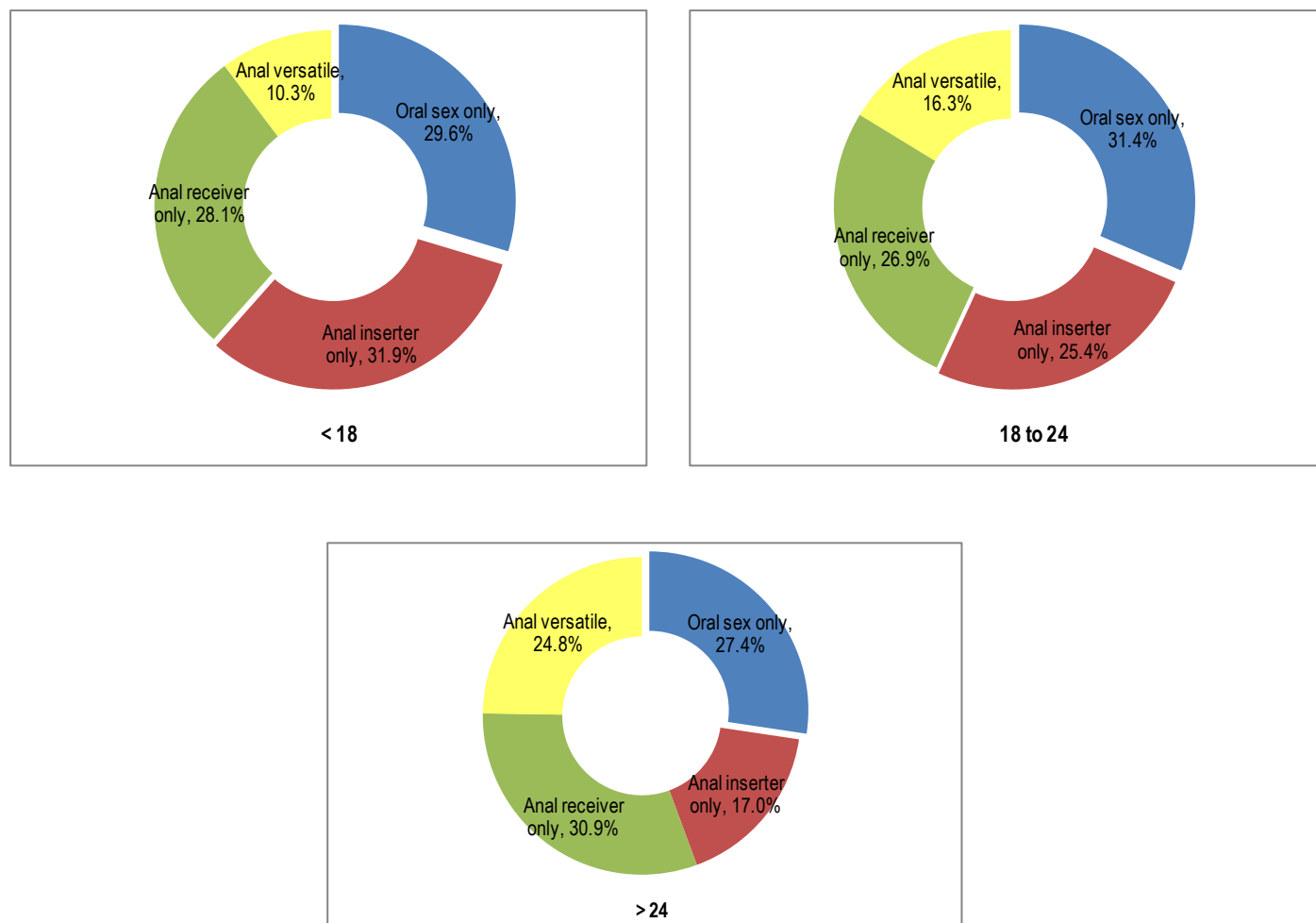


Fig 9. Percentage of MSM having anal sex & condom use during last anal sex in all sites by age group and year

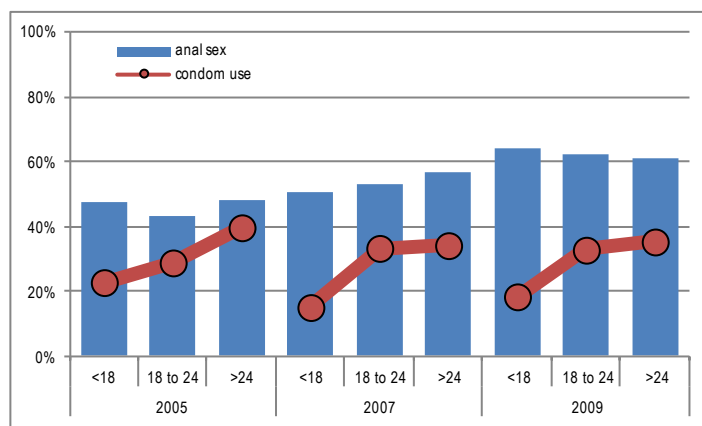
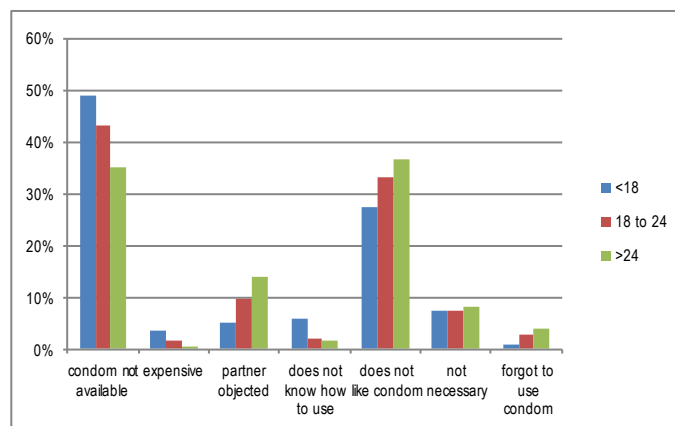


Fig 10. Reason why condom was not used during last anal sex by age group, 2009



# RISK BEHAVIORS

Fig 11. Percentage of MSM having anal sex & condom use during last anal sex in selected sites by year

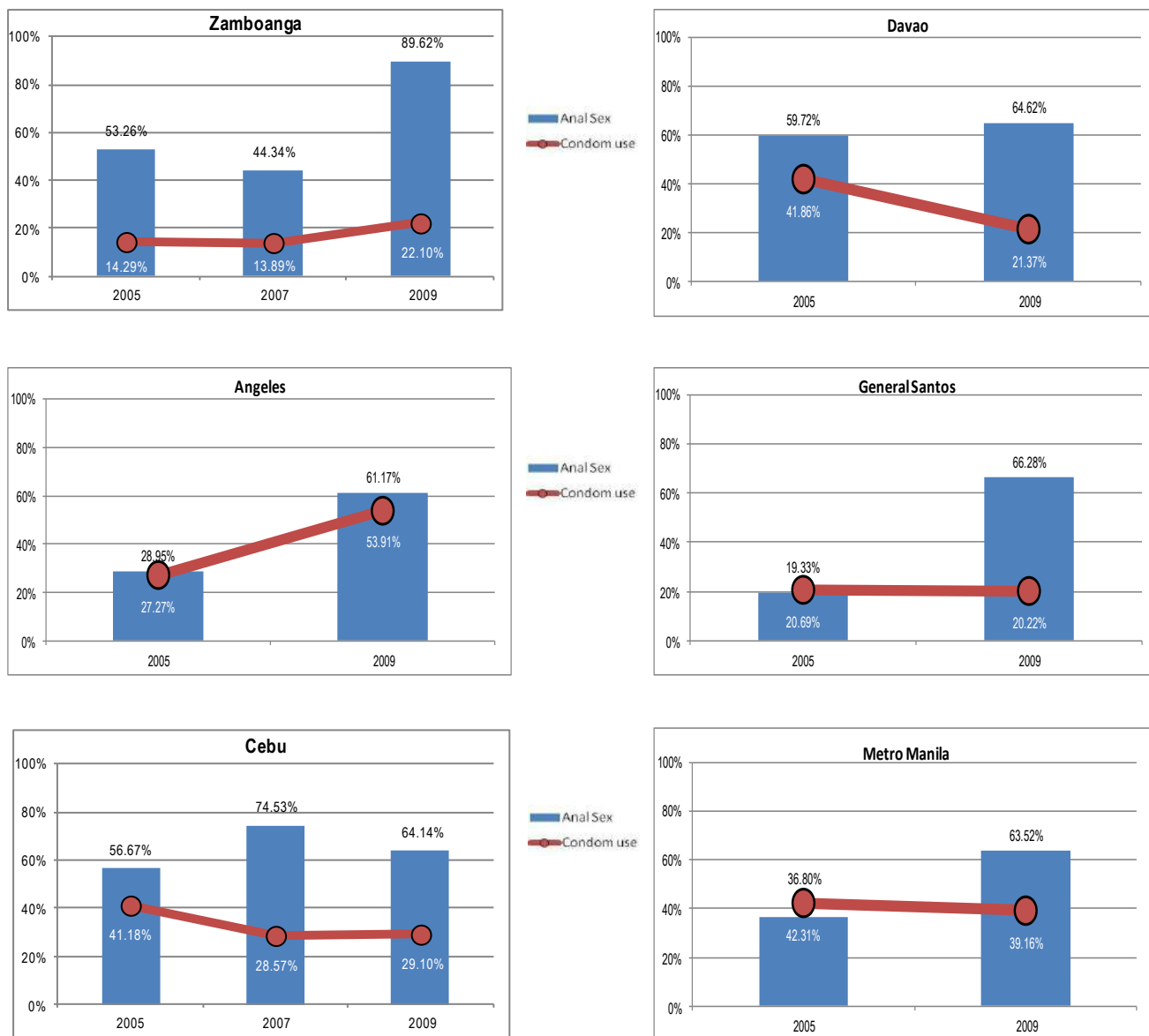


Fig 12. Percentage who participated in an orgy by age group, 2009

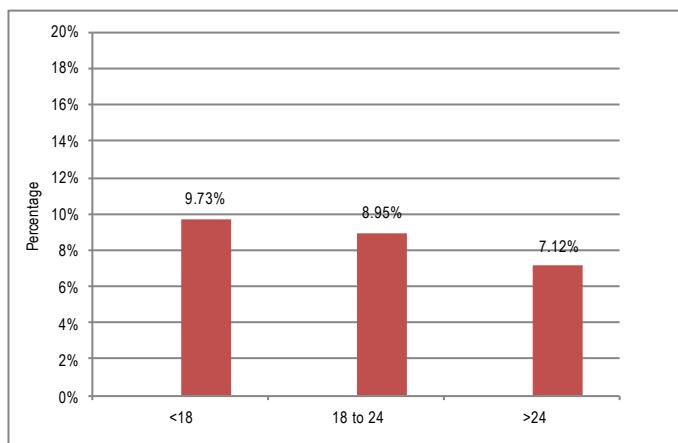
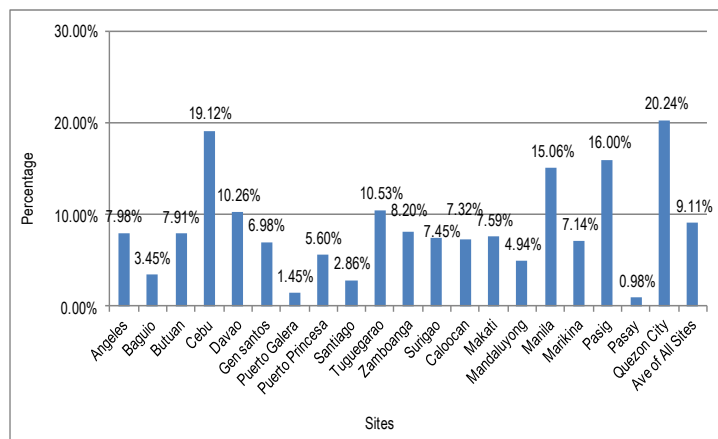


Fig 13. Percentage who participated in an orgy in the past 12 months, 2009



## RISK BEHAVIORS

Fig 14. Relationship with first male sex partner, 2009

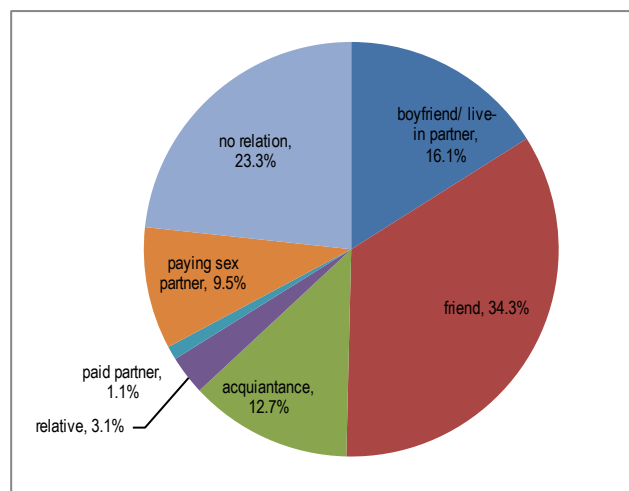


Fig 15. Percentage of MSM using drugs, 2009

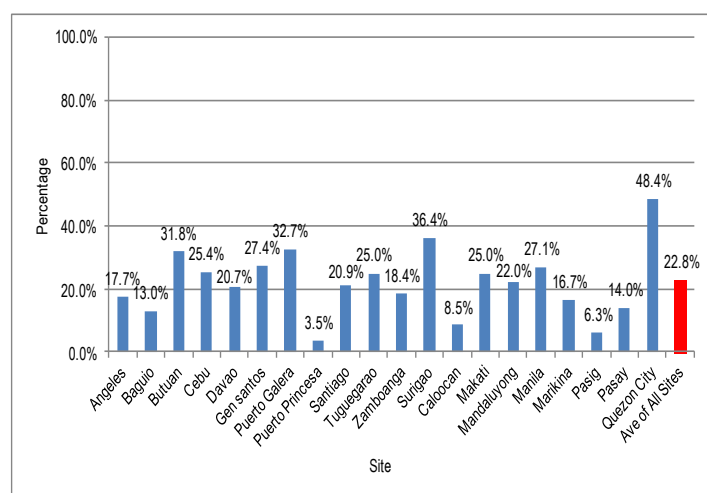


Fig 16. Condom use last anal sex and last sex under the influence of alcohol, 2009

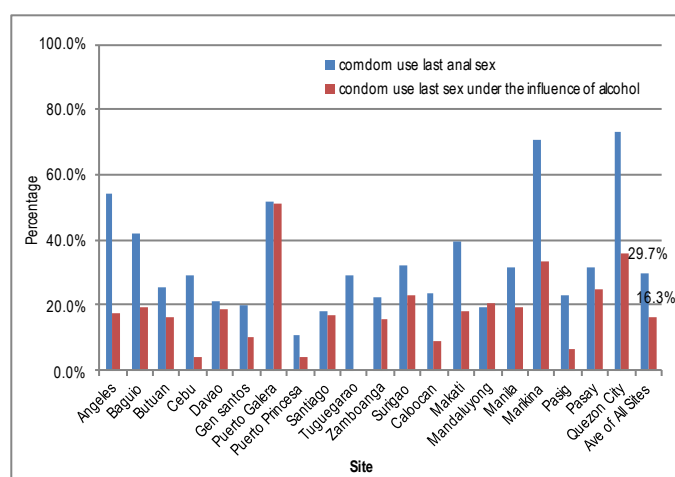


Table 3. Characteristics of sero-negative and sero-positive respondents in selected sites\*, 2009

	Syphilis Negative	Syphilis Positive	HIV Negative	HIV Positive
Respondents (N)	1,926	33	1,690	25
Age range (Median)	15-24 (20)	17-24 (20)	15-24 (20)	15-24 (21)
Educational Attainment: High School	53.75%	45.45%	56.50%	28.00%
Living with a partner	14.37%	12.12%	12.72%	8.00%
Knowledge: All correct	34.43%	34.38%	35.72%	28.00%
Feels at risk to get HIV	59.98%	57.58%	58.91%	72.00%
Had sex with a woman (past 12 months)	38.94%	27.27%	36.86%	24.00%
Number of male sex partners	1-70 (4)	1-20 (5)	1-70 (4)	1-20 (6)
Sold sex/Accepted payment for sex (past 12 months)	47.51%	45.45%	46.98%	52.00%
Paying clients/Bought sex from sex workers (past 12 months)	69.33%	81.25%	67.00%	50.00%
Use condom during last anal sex	30.42%	25.00%	29.81%	36.84%
Received free condoms	35.66%	51.52%	36.62%	36.00%

\*Sites with syphilis positive respondents: Angeles, Baguio, Cebu, Gen Santos, Puerto Princesa, Zamboanga, Calocan, Mandaluyong, Manila, Marikina, Pasay, Quezon

\*Sites with HIV positive respondents: Angeles, Cebu, Davao, Gen Santos, Puerto Princesa, Mandaluyong, Manila, Marikina, Pasay, Quezon

## INTERVENTION

Fig 17. Percentage who received a free condom, 2005 & 2009

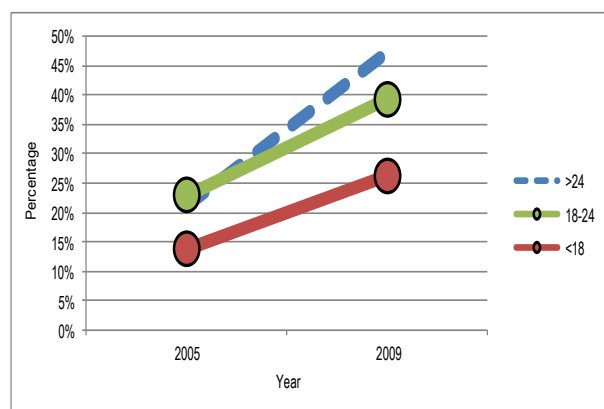


Fig 18. Percentage who received a free condom by site, 2009

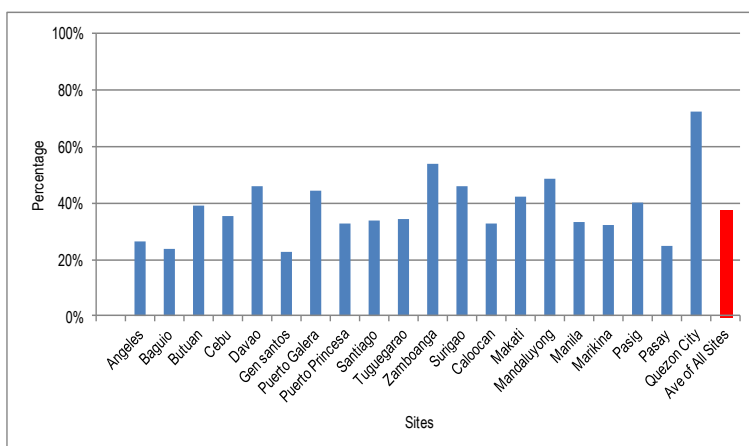


Fig 1. Percentage who accessed HIV/STI services of SHC, 2005 & 2009

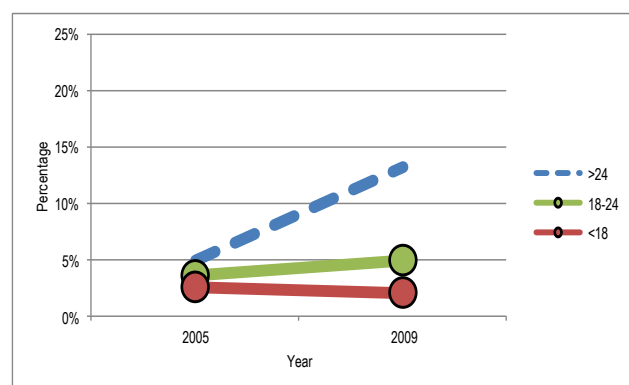


Fig 20. Percentage who attended HIV seminar, 2005 & 2009

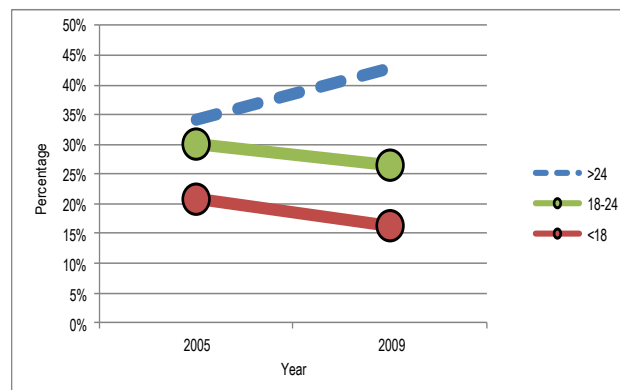
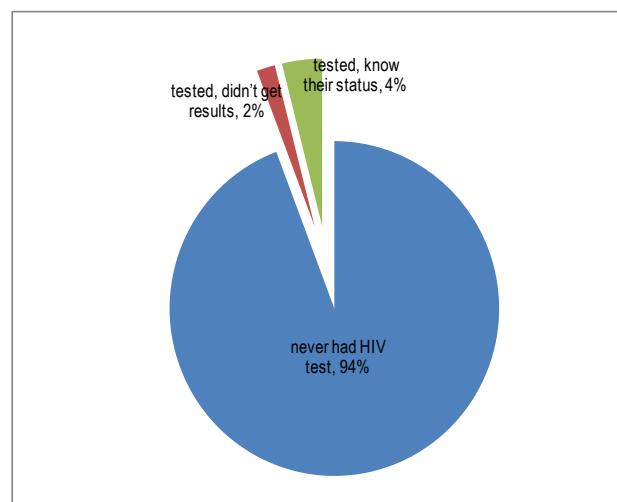


Fig 21. Percentage ever tested for HIV & know their HIV status, 2009



## **Injecting Drug Users (IDU)**



# 2005-2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## INJECTING DRUG USERS

IHBS 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

## DEMOGRAPHIC PROFILE

Table 1. Age profile of Male IDUs

	2005	2007	2009
Total Sample	659	712	830
Age Range (median)	14-62 (25)	15-57 (24)	15-55 (23)
<18 years old	4.7%	6.6%	7.23%
18 older	95.3%	93.4%	92.77%

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

	2005	2007	2009
Cebu	10-36 (16)	9-40 (16)	6-46 (15)
General Santos	9-32 (16)	10-25 (16)	9-28 (16)
Zamboanga	8-40 (17)	9-43 (18)	9-35 (17)
All 3 Sites	8-40 (17)	9-43 (16)	6-46 (16)
Age first injected drugs in all 3 sites	10-42 (19)	10-43 (18)	11-54 (18)

Table 3. Age profile of Female IDUs

	2005	2007	2009
Total Sample	61	40	47
Age Range (median)	15-48 (25)	16-46 (25)	18-44 (23)
<18 years old	4.92%	5.0%	0%
18 older	95.08%	95.0%	100%

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

	2005	2007	2009
Cebu	12-28 (16)	12-27 (16)	14-34 (18)
General Santos	14-23 (18)	14-20 (17)	16-26 (18)
Zamboanga	12-44 (18)	15-29 (18)	14-26 (17)
All 3 Sites	12-44 (18)	12-29 (18)	14-34 (18)
Age first injected drugs in all 3 sites	14-44 (20)	14-44 (19)	14-34 (19)

Fig 1. Distribution of IDUs by Sex & Year

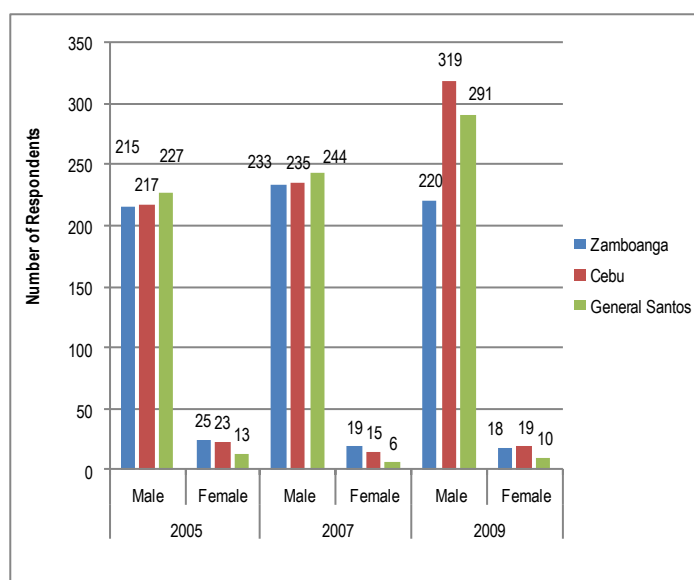
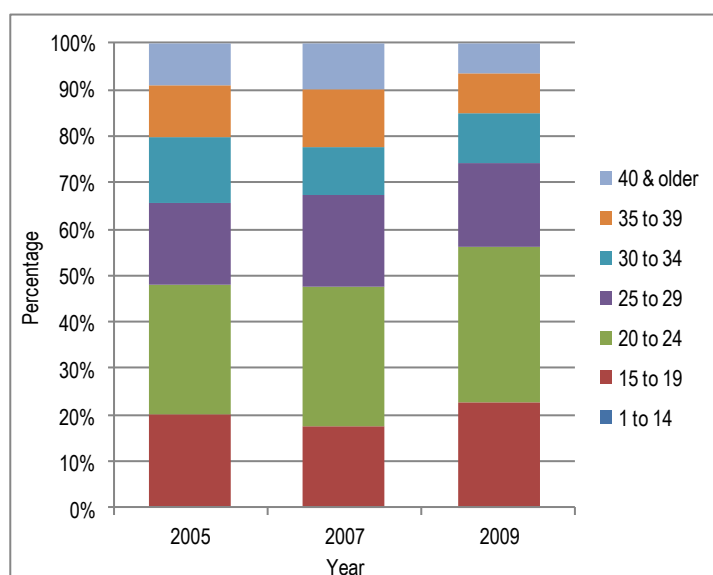


Fig 2. Distribution of Male IDUs by Age Group & Year



## DEMOGRAPHIC PROFILE

Fig 3. Distribution of Male IDUs by educational attainment & year

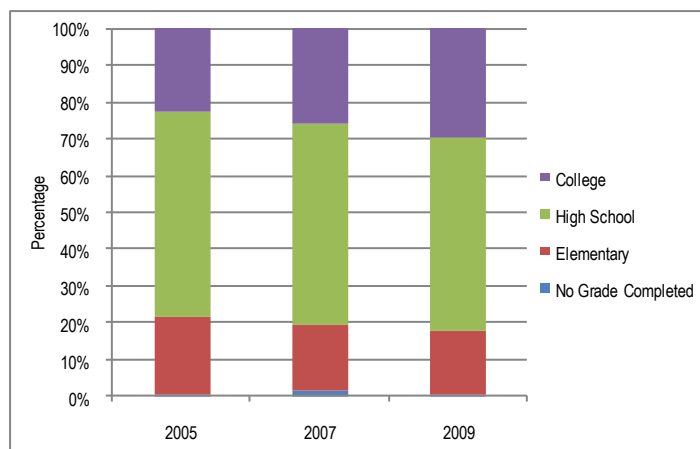


Table 5. Civil Status of Male IDUs by Year

	2005	2007	2009
Single	74.51%	73.31%	77.95%
Married	22.15%	21.35%	19.40%
Separated/Widow	3.34%	5.34%	2.65%

Table 6. Civil Status of Female IDUs by Year

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

Fig 4. Percentages of Male IDUs who are Presently Living With a Partner according to Site, 2009

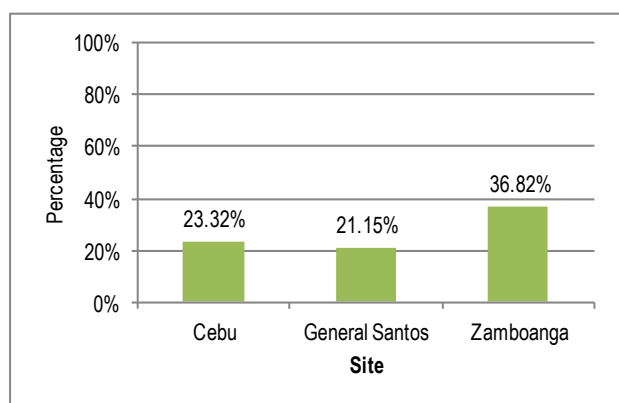


Table 7. Male IDUs w sex partners who also inject drugs

	2005		2007		2009	
	15 to 17	18 & older	15 to 17	18 & older	15 to 17	18 & older
Cebu	0.0%	11.7%	0.0%	8.9%	18.2%	12.4%
General Santos	0.0%	3.0%	8.3%	8.1%	14.3%	12.3%
Zamboanga	0.0%	3.6%	0.0%	7.1%	33.3%	8.2%
All 3 Sites	0.0%	5.9%	5.6%	8.0%	17.9%	11.3%

## KNOWLEDGE OF HIV

Fig 5. Percentage who answered HIV knowledge questions correctly by age group

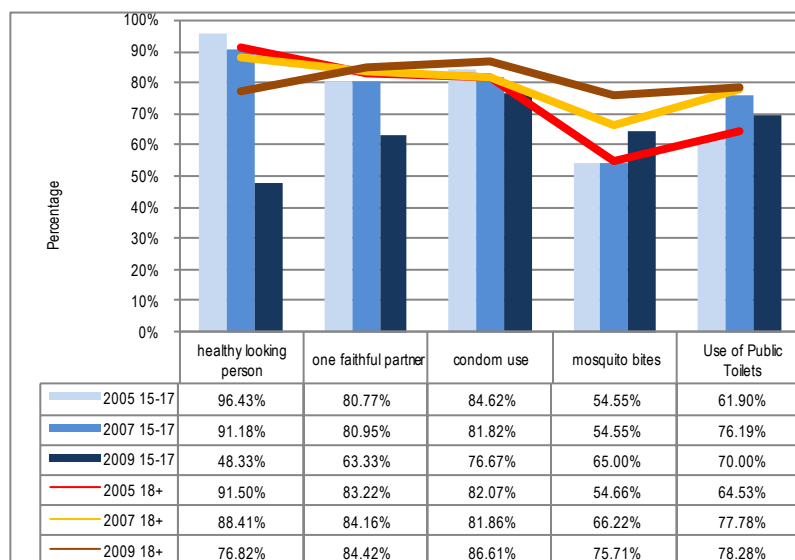
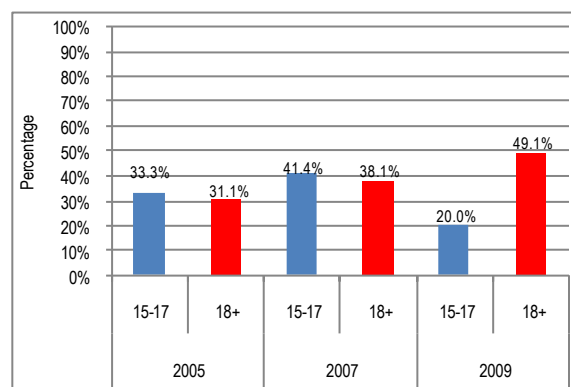


Fig 6. Percentage who answered all HIV knowledge questions correctly



## RISK BEHAVIOR

Fig 7. Age of first drug use, of first injecting drug use & of first sex, 2009

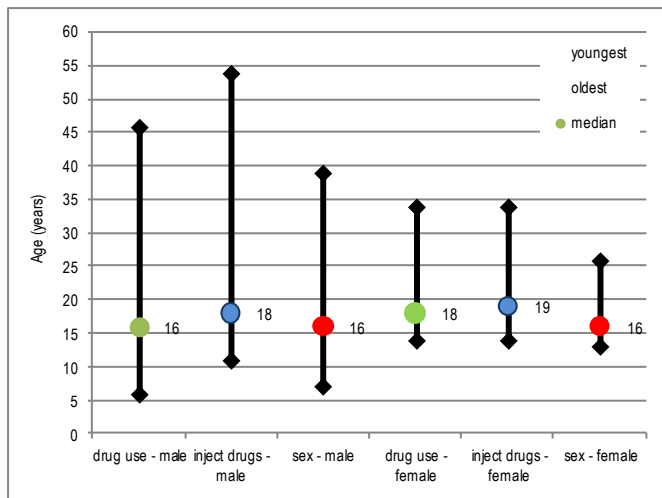


Fig 8. Percentage of IDUs who shared needles during last injection

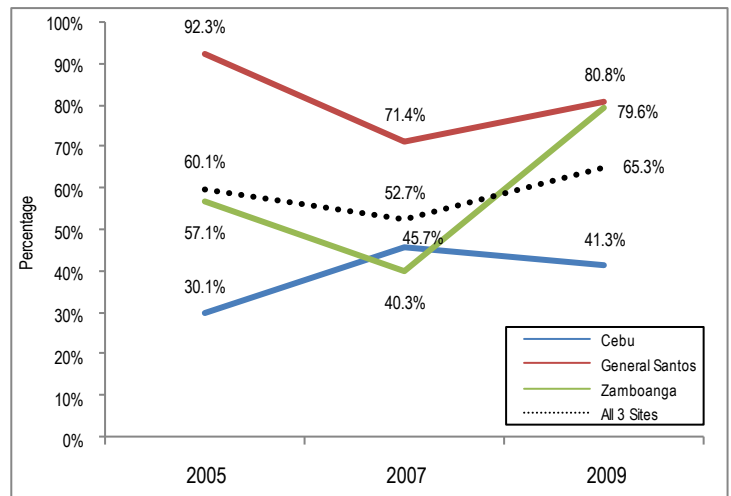


Fig 9. Percentage of IDUs who shared needles, shared last injecting needle, and never shared by sex, 2009

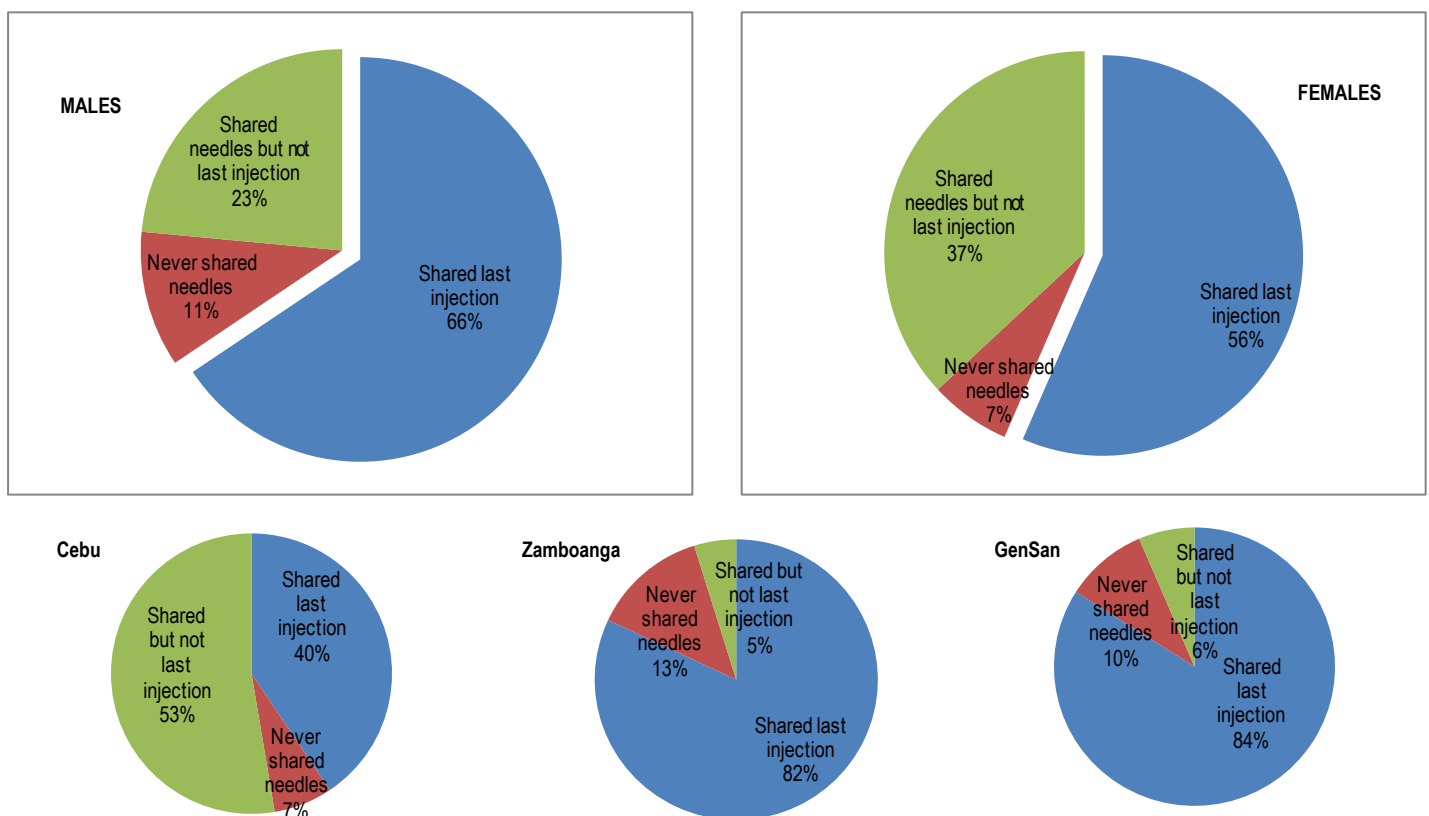


Table 8. Frequency of injections in each site, 2009

	Frequency of injections	15-17yo	18-24yo	Total Sample
Cebu	per day	1-6 (2.7)	1-20 (4.1)	1-20 (4)
Zamboanga	per month	1-3 (1.8)	1-8 (2.3)	1-15 (2.6)
General Santos	per year	1-6 (2.4)	1-7 (2.4)	1-10 (2.5)



## RISK BEHAVIORS

Fig 10. Percentage of IDUs who accepted money or drugs in exchange for sex, 2009

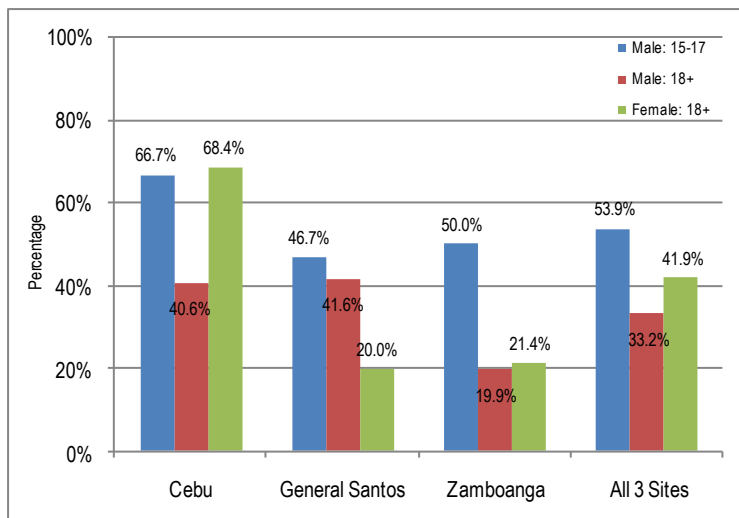


Fig 11. Percentage of Male IDUs who are Clients of female sex workers in the past 12 months, 2009

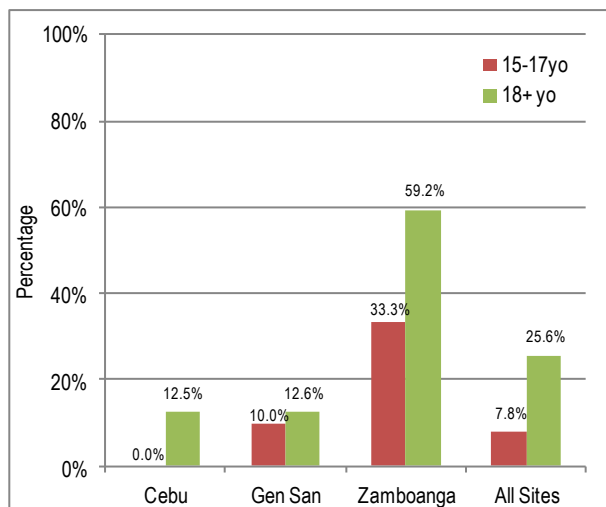


Fig 12. Condom use with Wife or Girlfriend & with Sex Worker, 2009

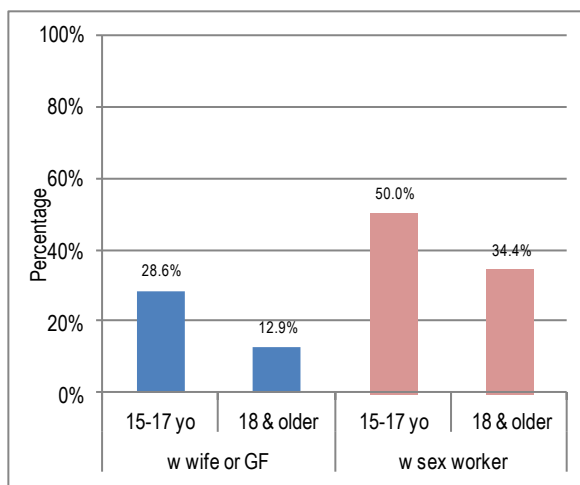


Fig 13. Condom use with Wife or Girlfriend & with Sex Worker by Site, 2009

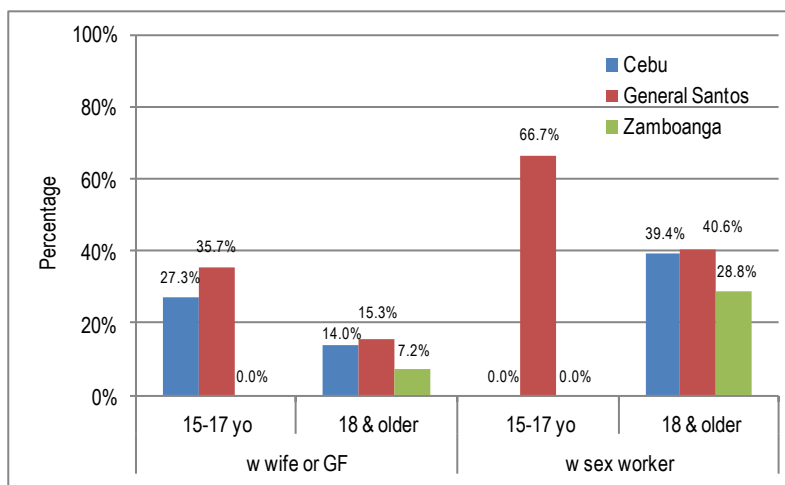


Fig 14. Distribution of Male IDUs who had sex with another male in the past 12 months

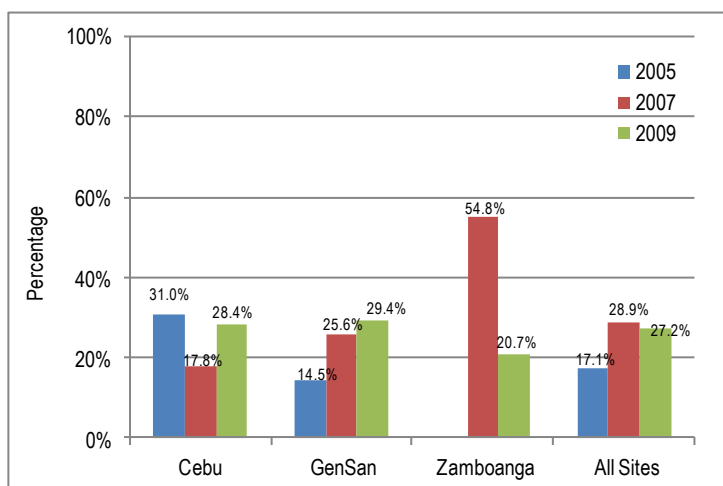
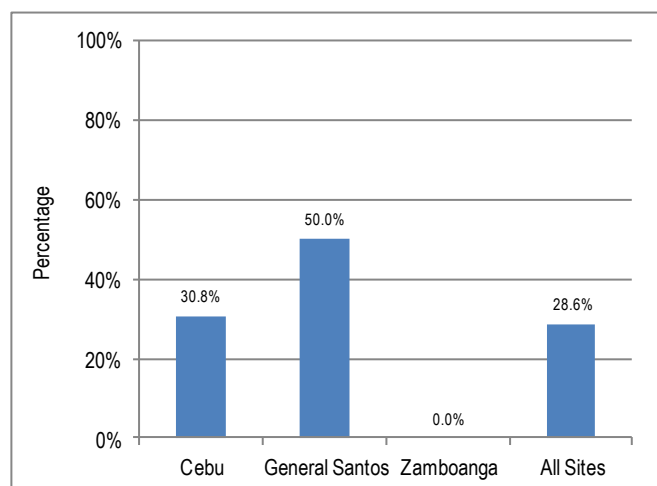


Fig 15. Condom use of Male IDUs who have sex with other males in the past 12 months, 2009



## INTERVENTION

Fig 16. Percentage of IDUs who had Received Free Condoms in the past 12 months

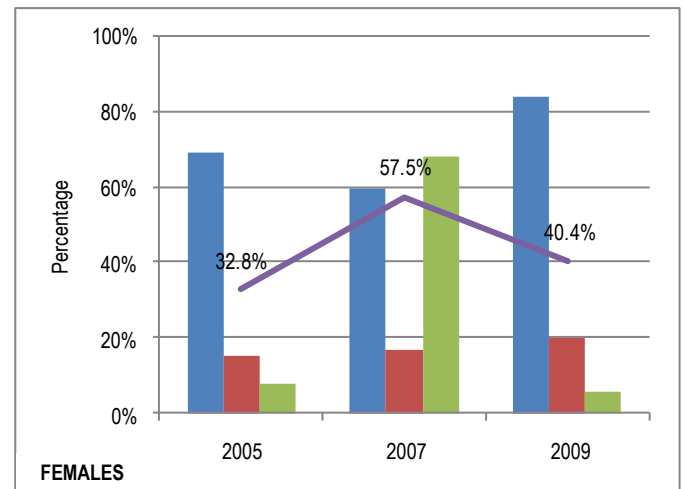
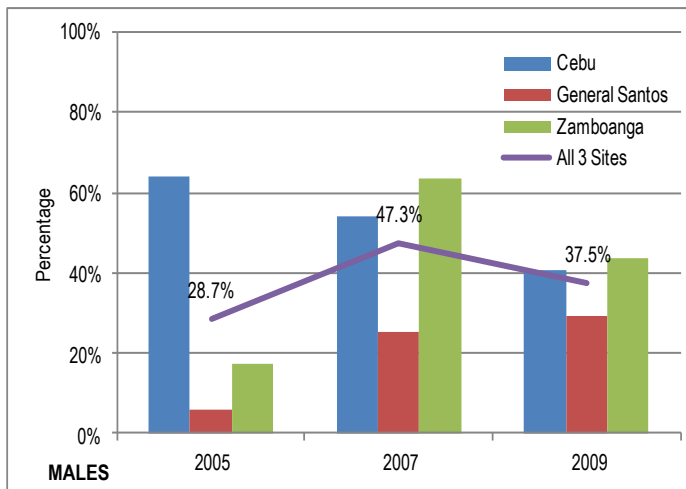


Fig 17. Percentage of IDUs who Received Free Needles or Syringes in the past 12 months

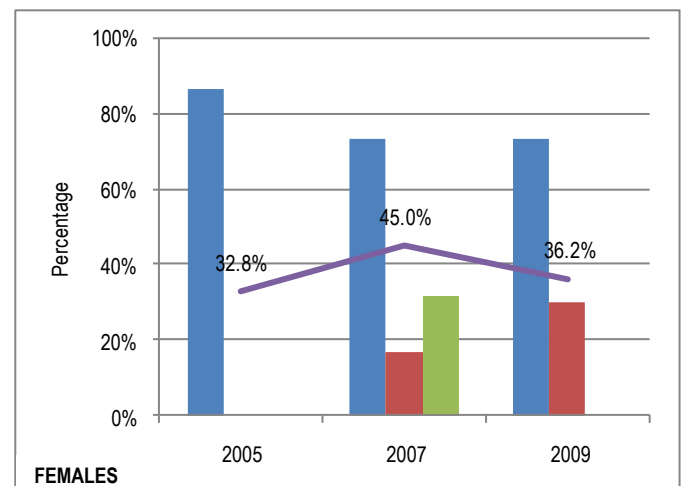
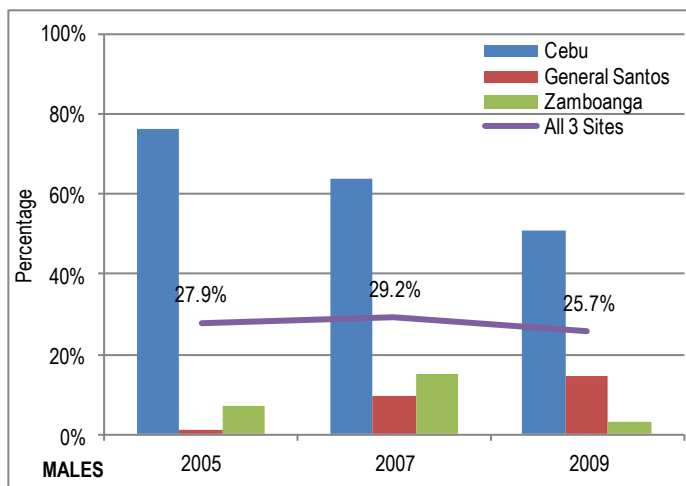
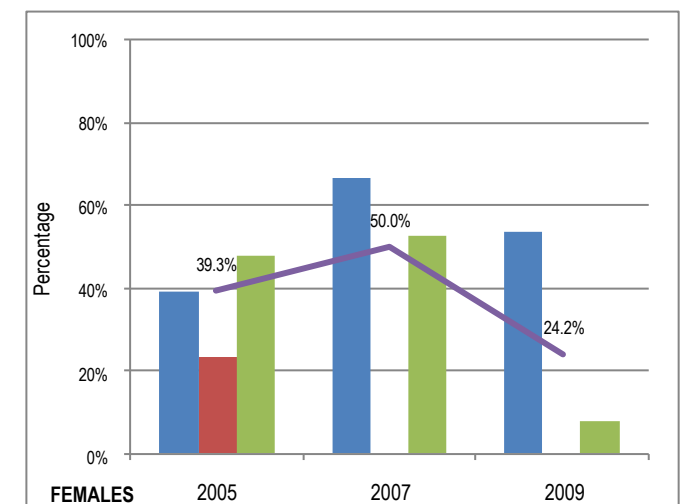
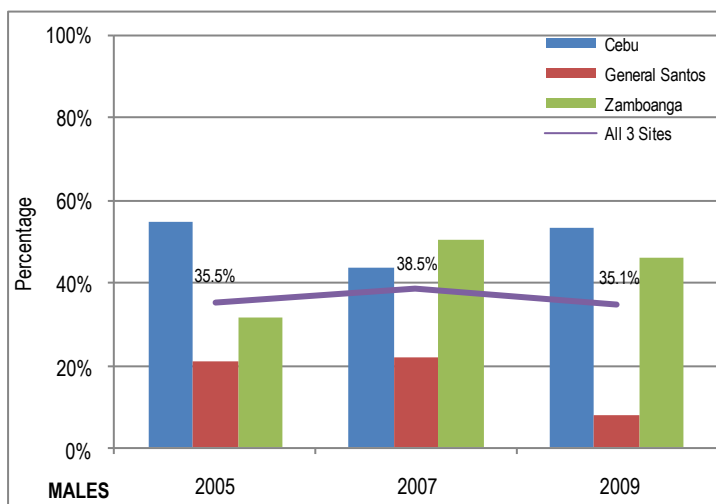


Fig 18. Percentage of IDUs who Attended an HIV Seminar in the past 12 months



## INTERVENTION

Fig 19. Percentage who accessed HIV/STI services of SHC

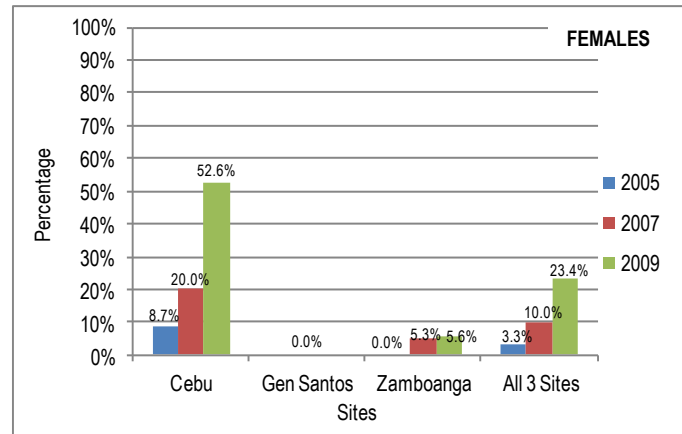
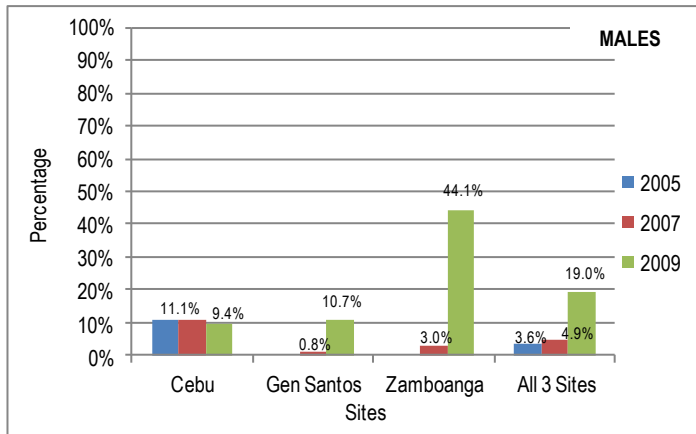


Fig 20. Percentage Ever Tested for HIV &amp; Know their HIV Status by Site

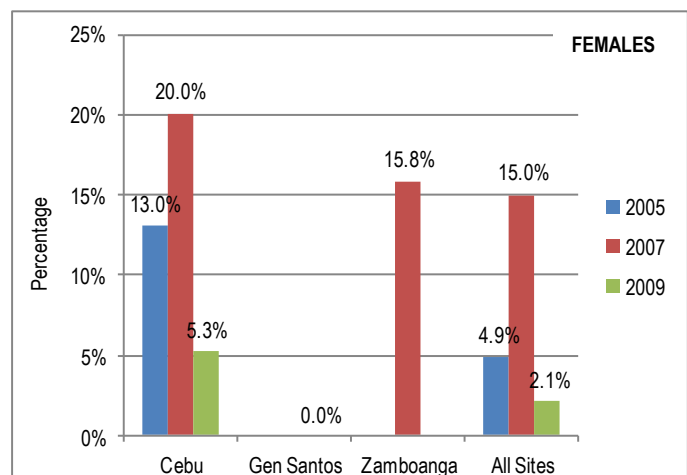
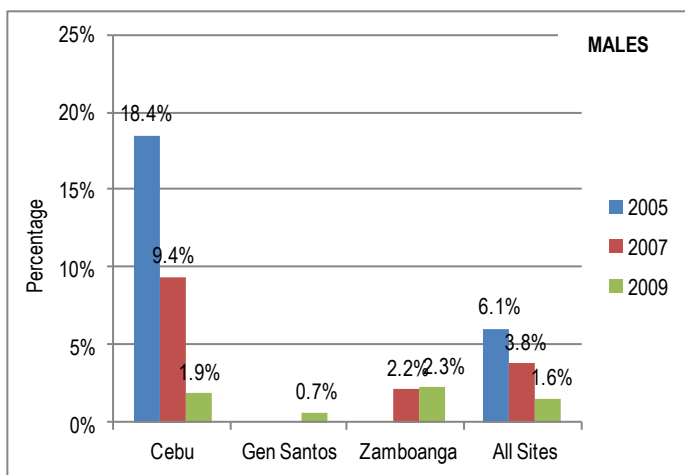
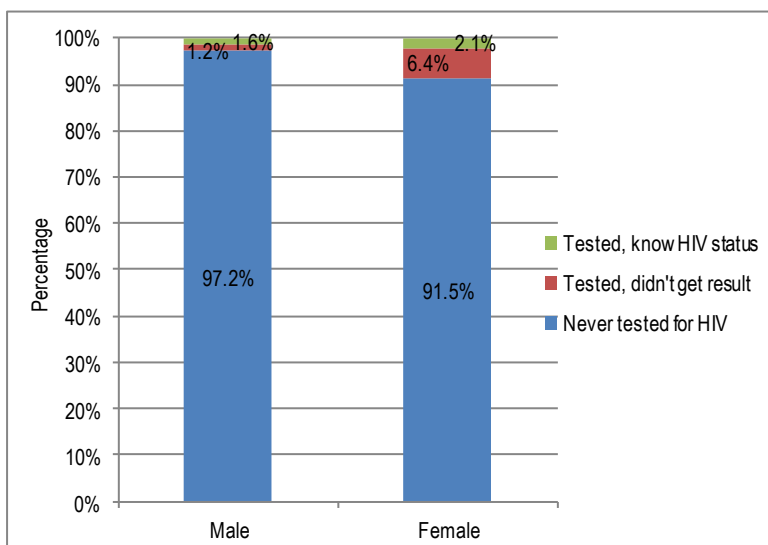


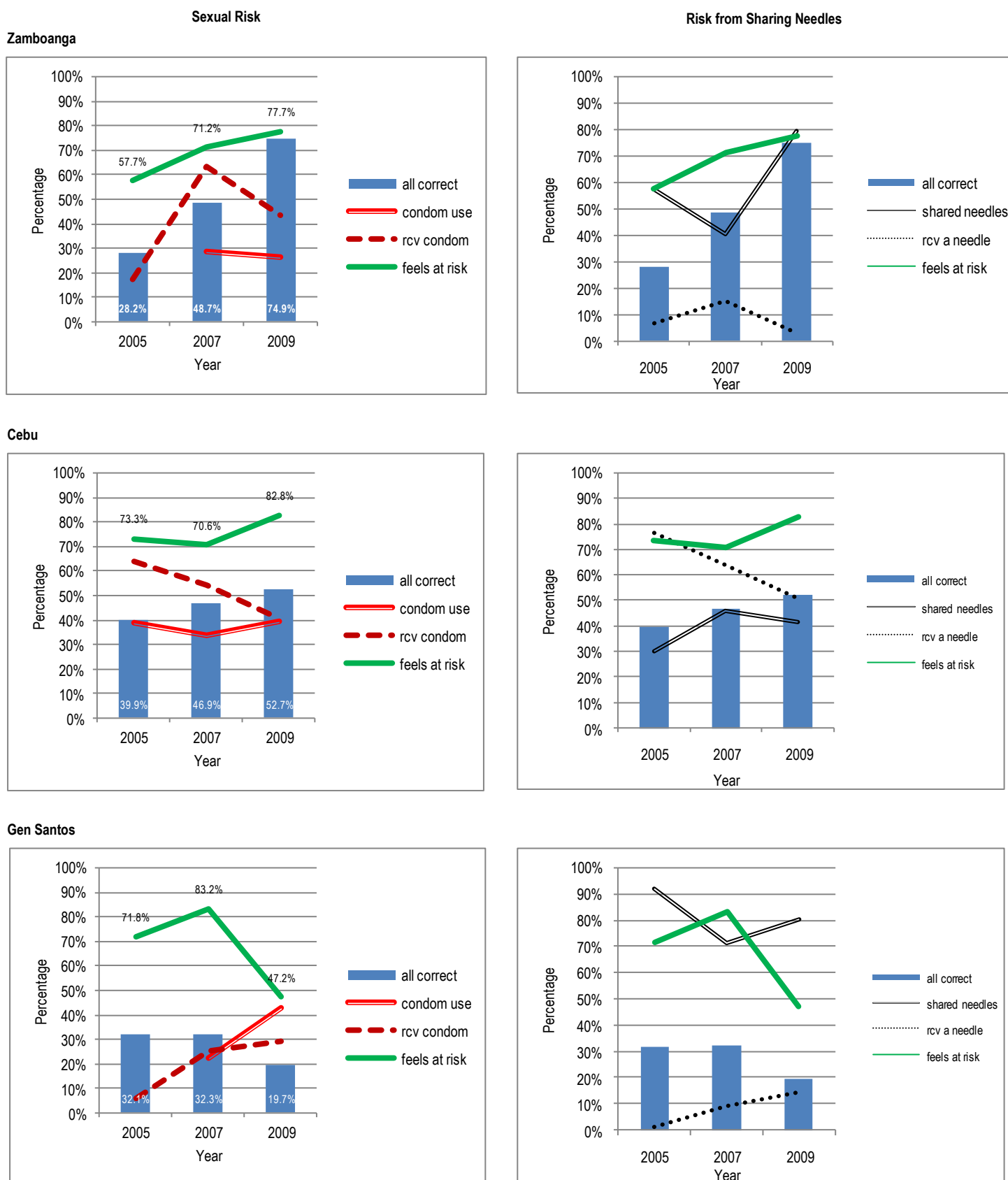
Fig 21. Percentage Ever Tested for HIV &amp; Know their HIV Status by Sex, 2009



- There were no female IDUs aged 15 to 17 years in the 2009 sample.
- All 60 males ages 15 to 17 years had never been tested for HIV at the time of interview.

# KNOWLEDGE OF HIV, RISK BEHAVIOR & INTERVENTION

Fig 22. Percentage who Answered HIV Knowledge Questions Correctly, used a condom, received a condom, feels at risk, shared needles and received a needle by Site & Year



Legend: All correct: All 5 HIV knowledge questions answered correctly. Condom use: Used a condom during last sex. Rcv condom: Received a free condom 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 23. Hepatitis C Prevalence

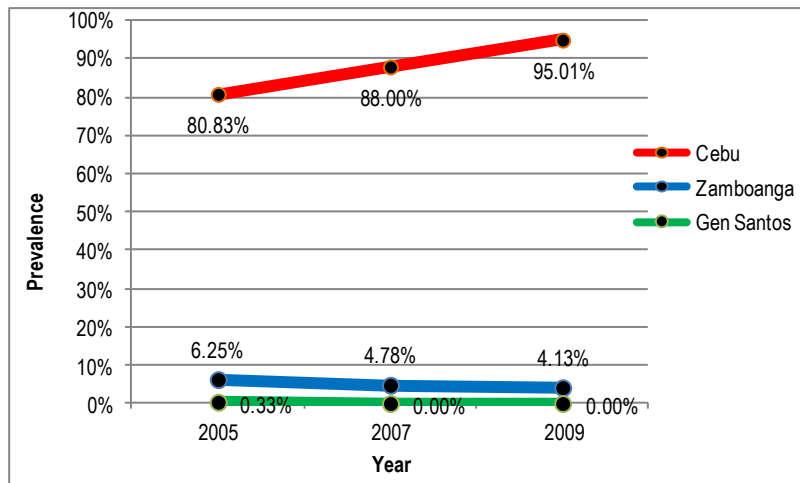
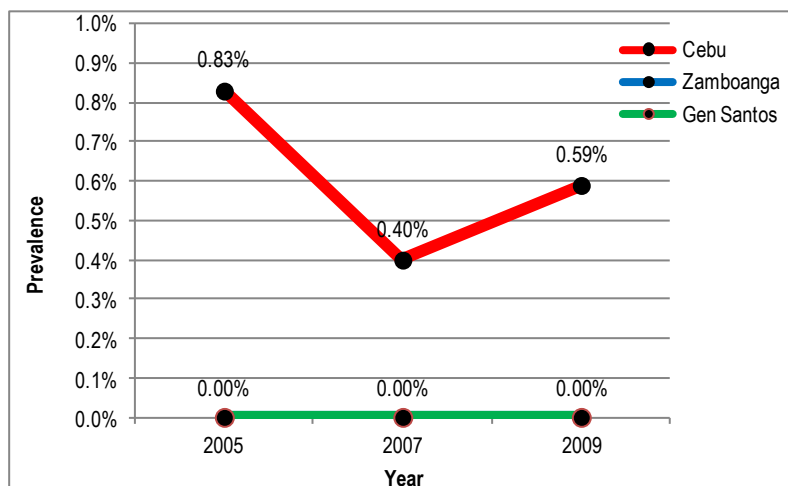


Fig 24. HIV Prevalence



**Youth IDU**



# 2005-2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## YOUTH: INJECTING DRUG USERS

2009 IHBS 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

## DEMOGRAPHIC PROFILE

Table 1. Age profile of Male IDUs

	2005	2007	2009
Total Sample	315	366	468
Age Range (median)	14-24(20)	15-24 (20)	15-24 (20)
<18 years old	9.84%	12.84%	12.82%
18 to 24 yo	90.16%	87.16%	87.18%

Table 2. Age profile of Female IDUs

	2005	2007	2009
Total Sample	30	19	26
Age Range (median)	15-24(21)	16-24 (20)	18-24 (20)
<18 years old	10.00%	10.53%	0%
18 to 24 yo	90.00%	89.47%	100.00%

Fig 1. Distribution of Age by Year

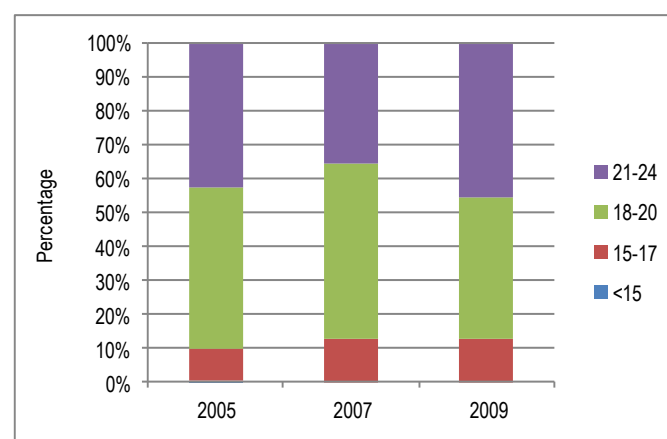


Fig 2. Educational attainment , 2009

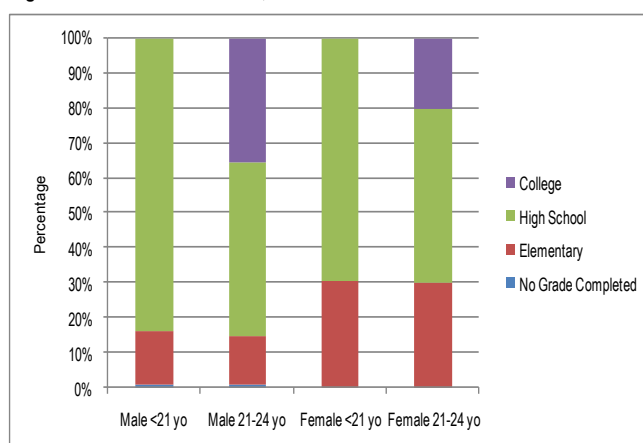


Fig 3. Age of first drug use, of first injecting drug use & of first sex, 2009

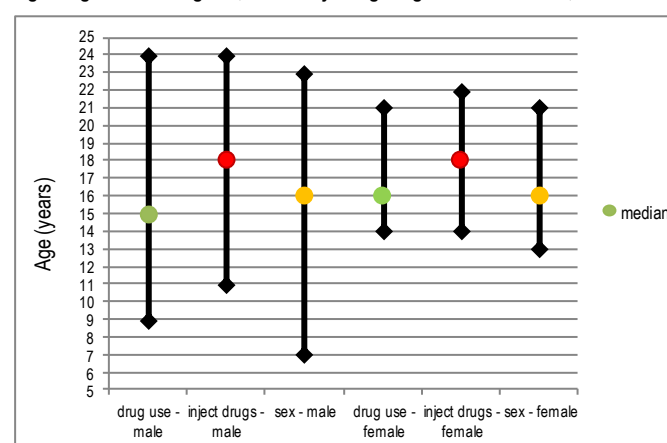


Table 3. Age range & median of first injecting drug use of Male IDUs

	2005	2007	2009
Cebu	10-22 (17)	10-24 (17)	12-24 (18)
General Santos	12-24 (18)	12-24 (17)	11-24 (18)
Zamboanga	12-23 (18)	12-24 (18)	13-24 (18)
All 3 Sites	10-24 (18)	10-24 (17)	11-24 (18)

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

	2005	2007	2009
Cebu	14-24 (19)	16-20 (19)	15-22 (19)
General Santos	16-21 (18)	14-18 (16)	16-21 (18)
Zamboanga	14-23 (18)	16-21 (19)	14-20 (16)
All 3 Sites	14-24 (18)	14-21 (18)	14-22 (18)

## DEMOGRAPHIC PROFILE

Fig 4. Percentages who are Presently Living With a Partner according to Site, 2009

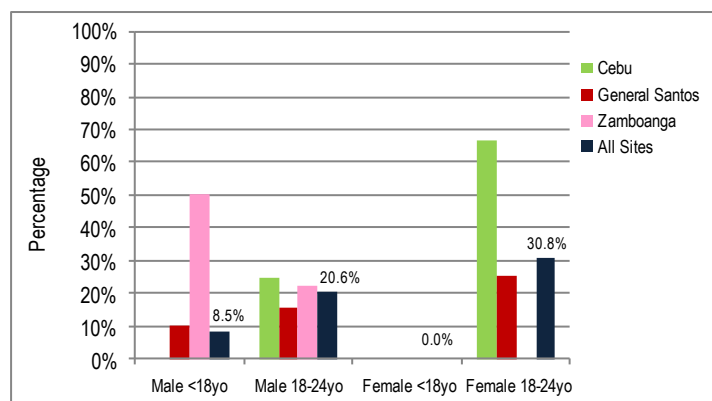


Fig 5. Civil Status , 2009

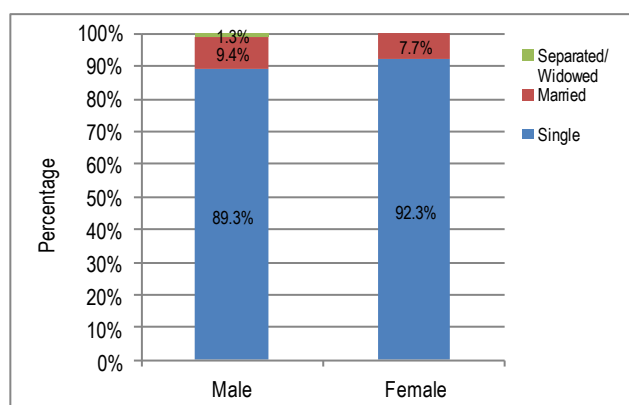
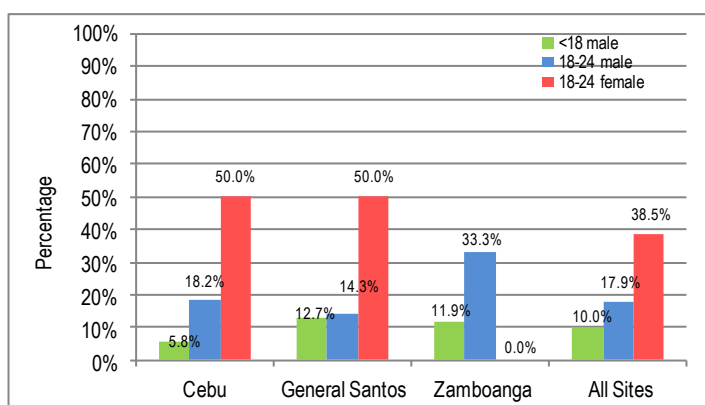


Fig 6. Percentages with partners who also inject drugs by site, 2009



## KNOWLEDGE OF HIV

Fig 7. Percentage who answered HIV knowledge questions correctly, 2009

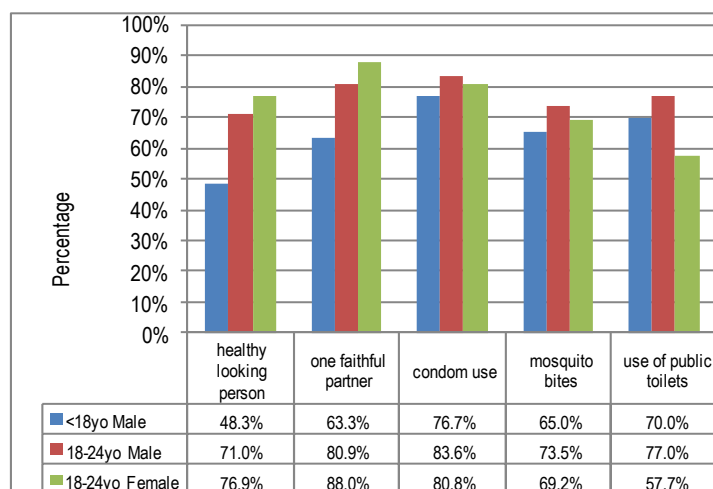
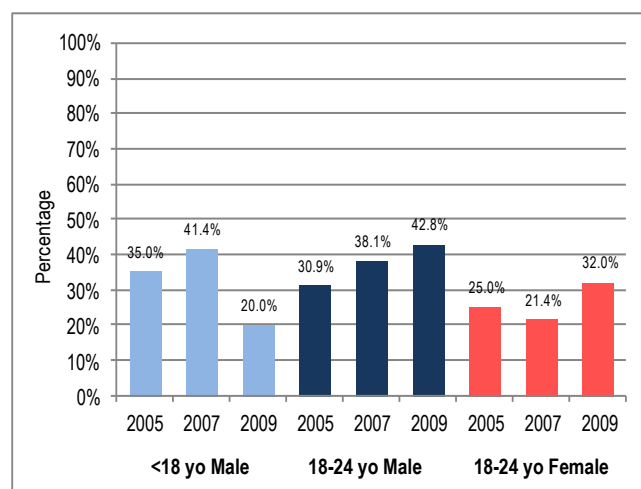


Fig 8. Percentage who answered all HIV knowledge questions correctly





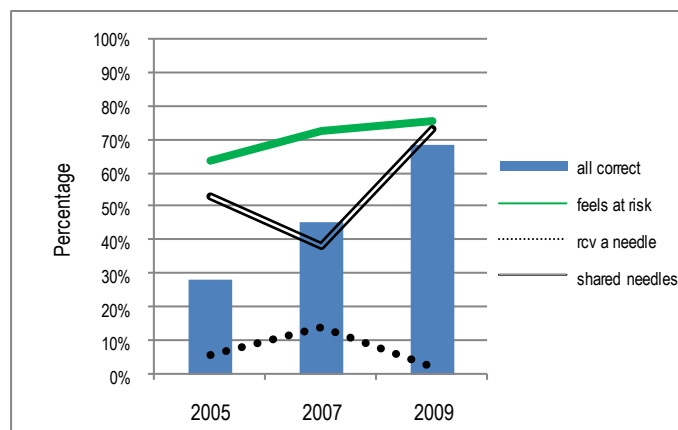
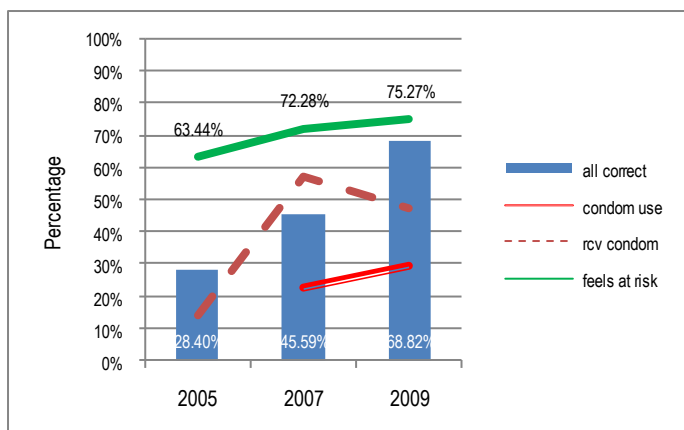
# KNOWLEDGE OF HIV, RISK BEHAVIOR & INTERVENTION

Fig 22. Percentage who Answered HIV Knowledge Questions Correctly, used a condom, received a condom, feels at risk, shared needles and received a needle by Site & Year

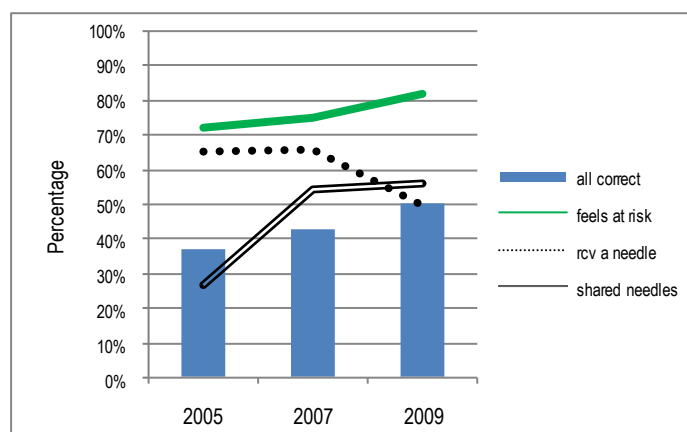
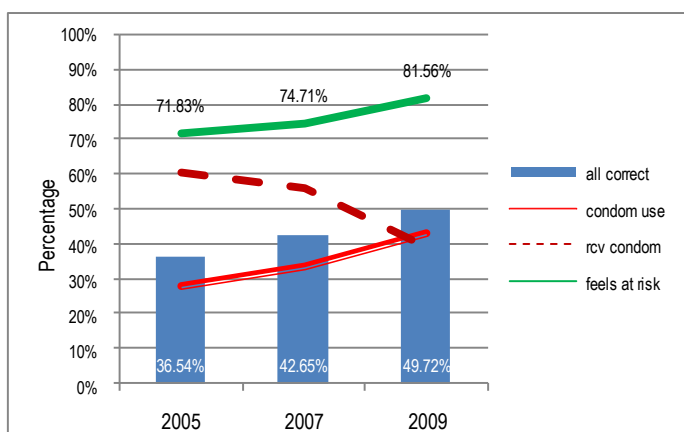
## Sexual Risk

## Risk from Sharing Needles

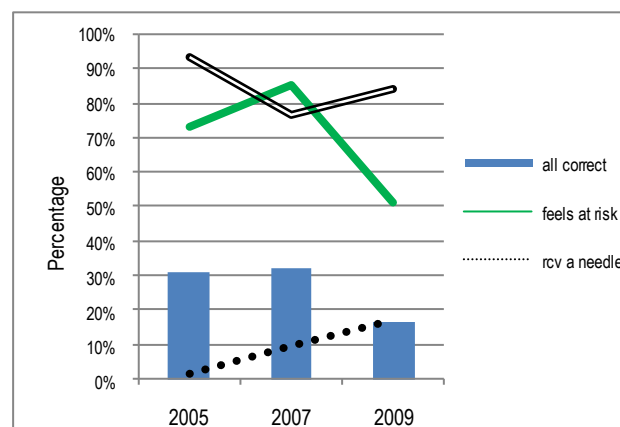
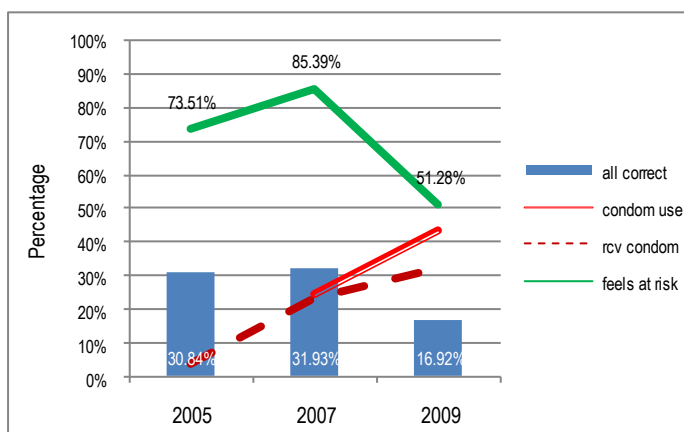
### Zamboanga



### Cebu



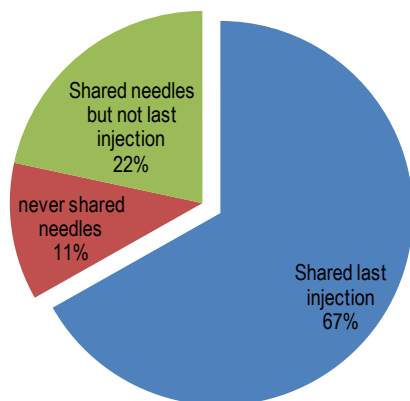
### Gen Santos



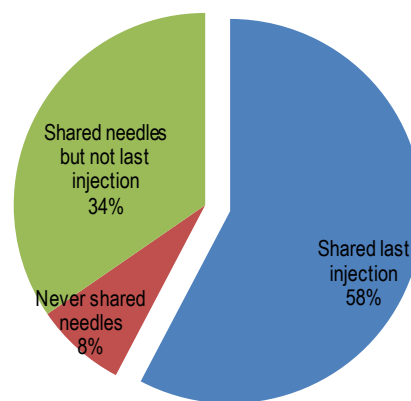
**Legend:**  
**All correct:** All 5 HIV knowledge questions answered correctly. **Condom use:** Used a condom during last sex. **Rcv condom:** Received a free condom in the past 12 months. **Shared needles:** Shared needle during last injection **Rcv a needle:** Received a free syringe & needle in the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

RISK BEHAVIOR

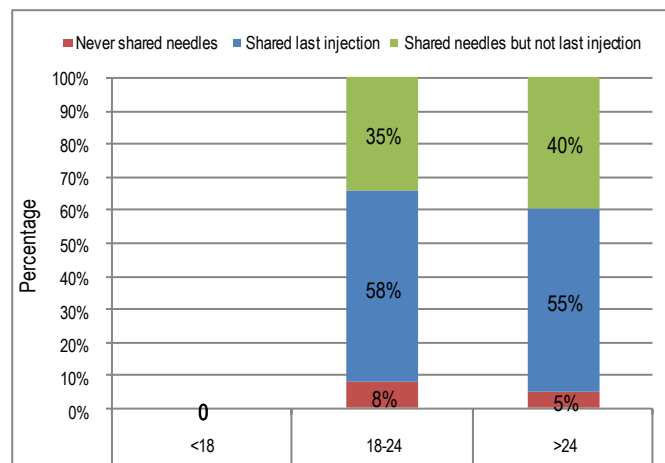
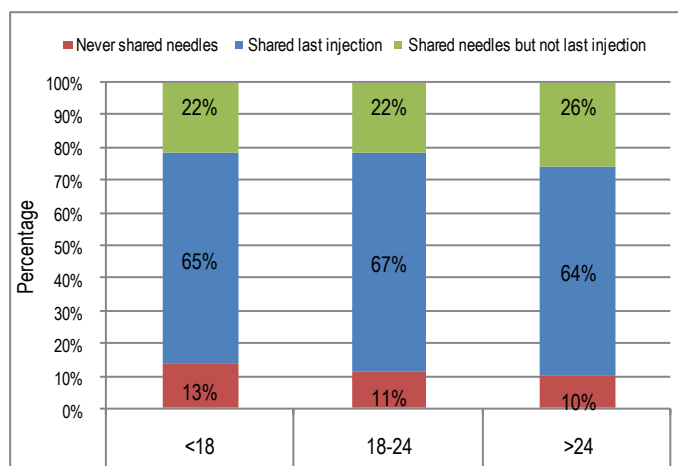
Fig 10. Percentage of needle sharing, 2009



MALES



FEMALES



RISK BEHAVIORS

Fig 11. Percentage of IDUs who accepted money or drugs in exchange for sex

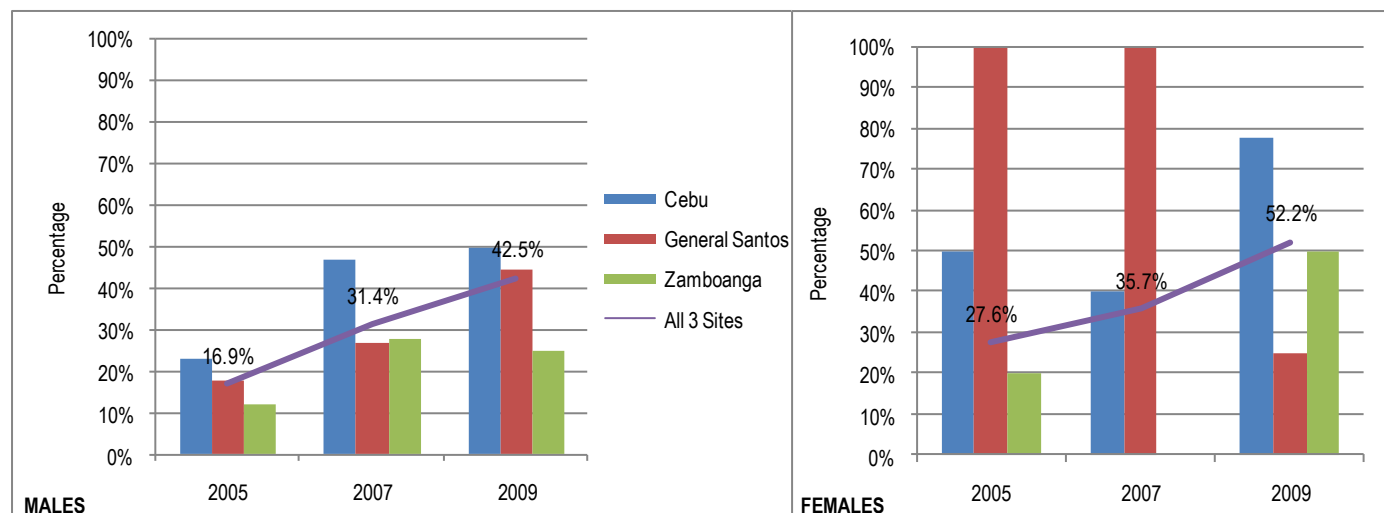


Fig 12. Percentage of IDUs who accepted money or drugs in exchange for sex, 2009

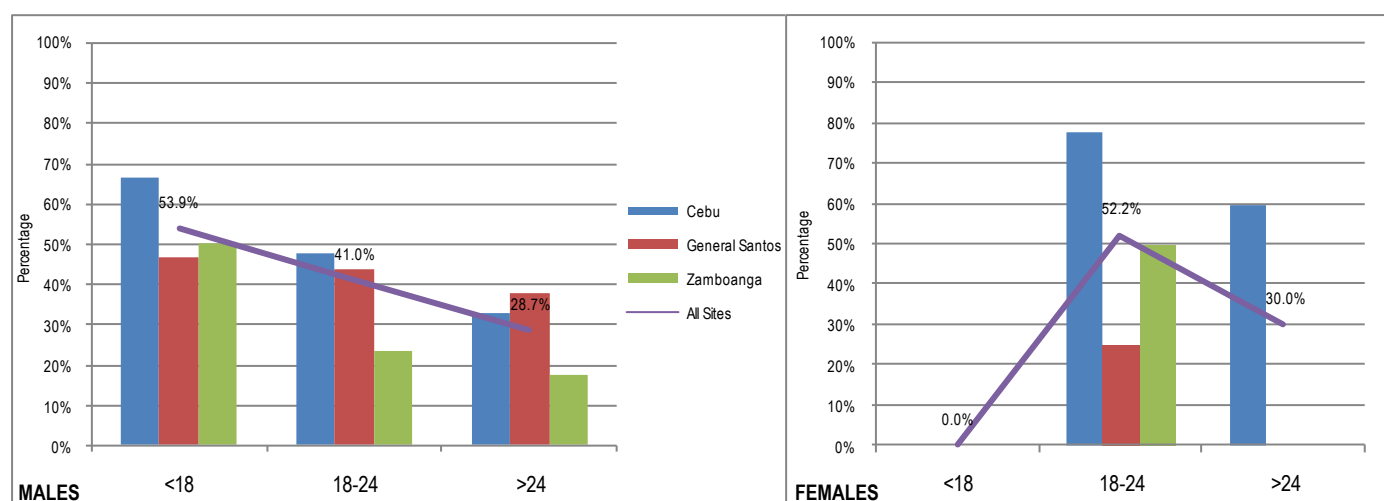


Fig 13. Percentage of male IDUs who had sex with another male in the past 12 months, 2009

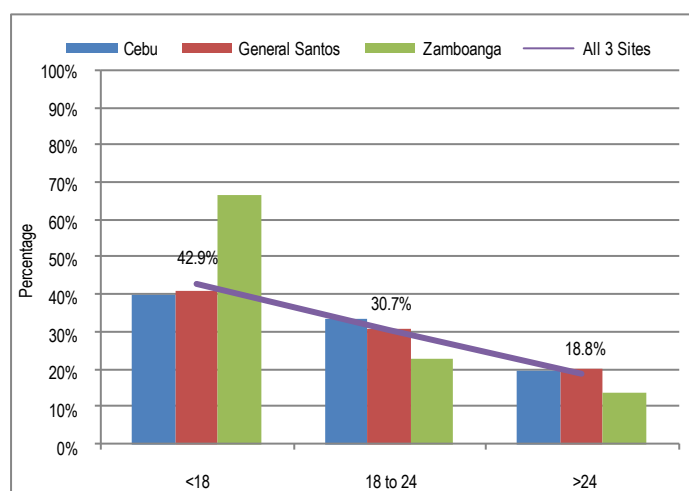
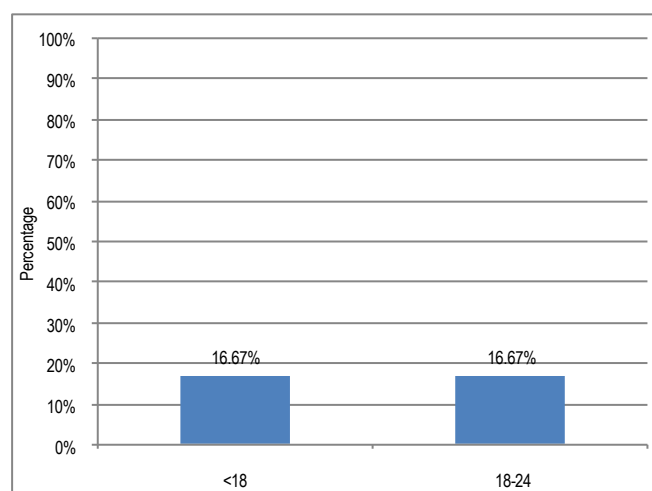


Fig 14. Percentage condom use among IDU-MSM, 2009



## RISK BEHAVIORS

Fig 15. Percentage of male IDUs who were clients of female sex workers, past 12 months, 2009

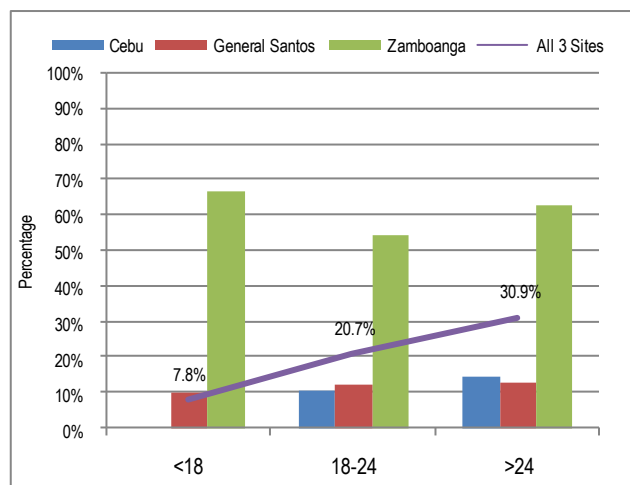


Fig 16. Percentage condom use among male IDU-Clients, 2009

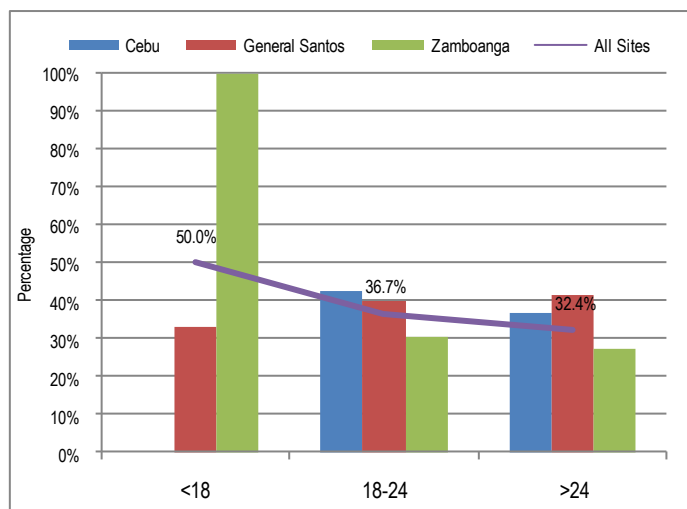
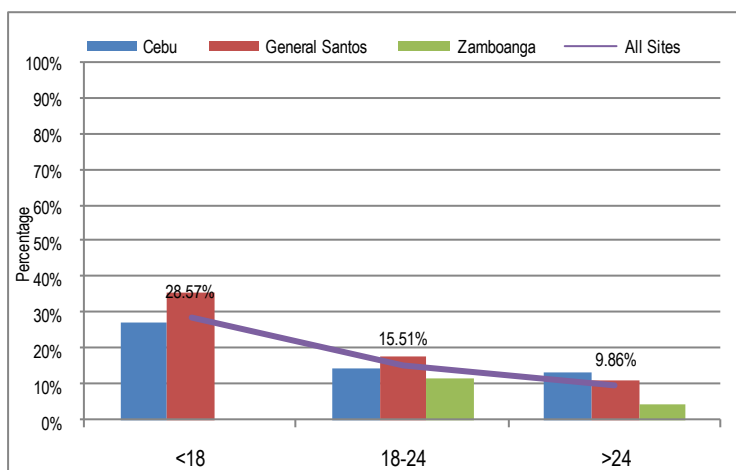


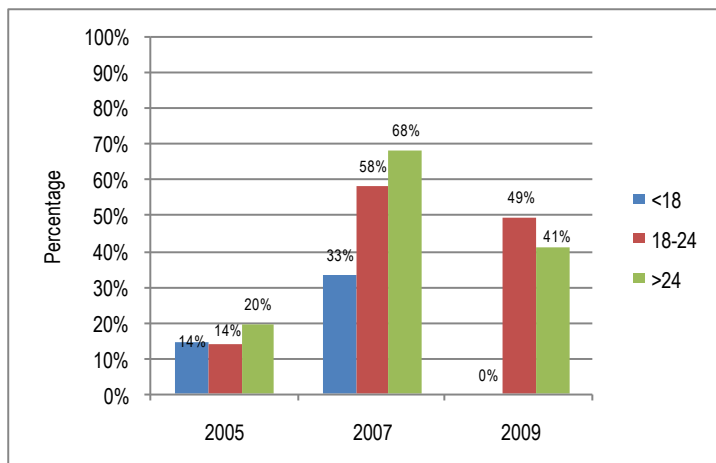
Fig 17. Percentage condom use among male IDUs with wife, girlfriend or live-in partner, 2009



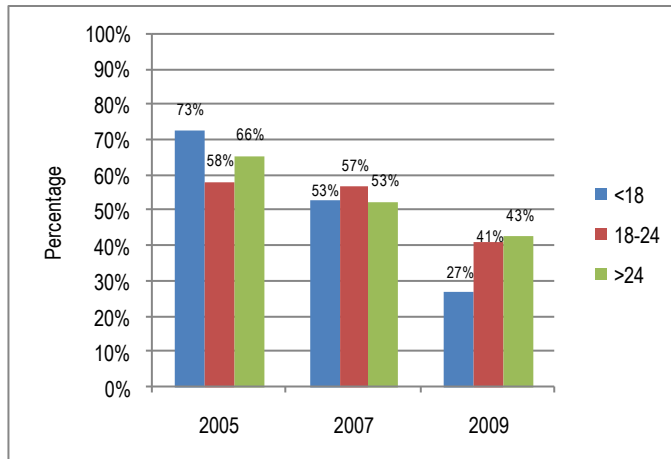
## INTERVENTION

Fig 18. Percentage of Male IDUs who had Received Free Condoms by City

Zamboanga



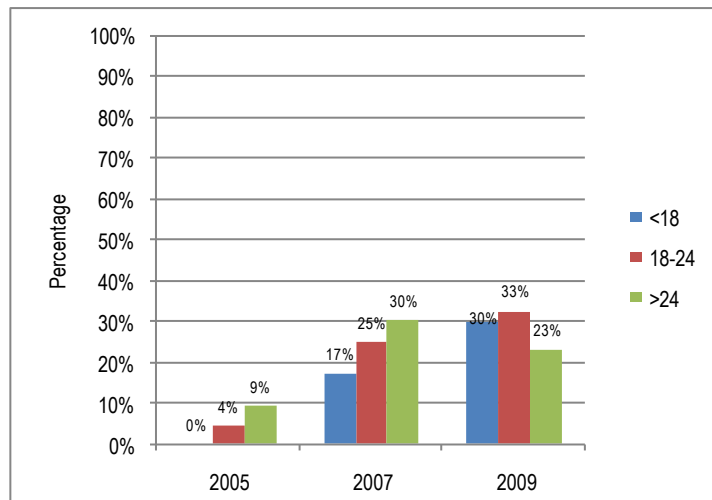
Cebu



## INTERVENTION

Fig 18. Percentage of Male IDUs who had Received Free Condoms by City

## Gen Santos



## All 3 Sites

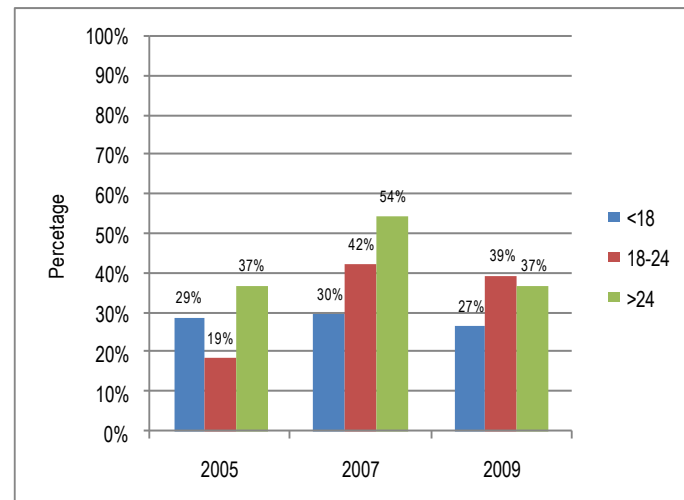
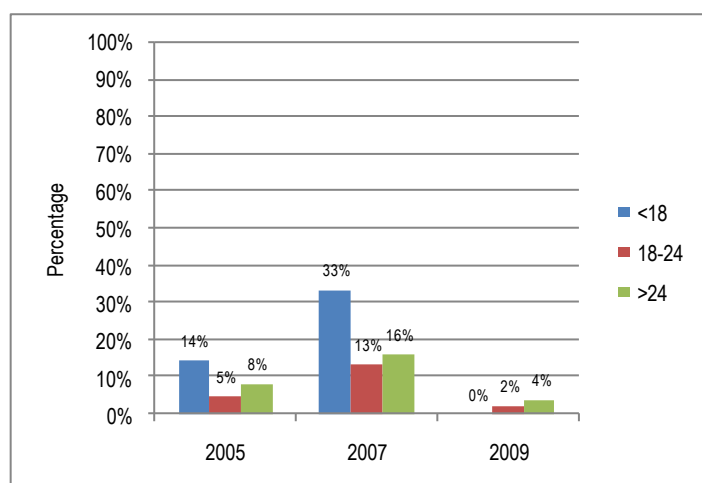
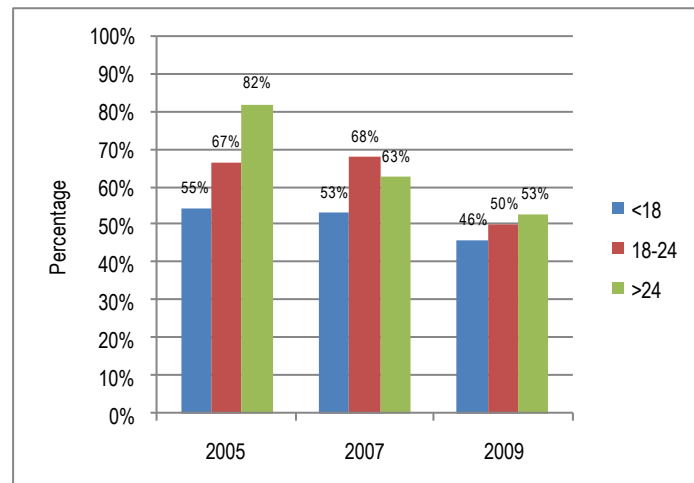


Fig 19. Percentage of Male IDUs who Received Free Needles or Syringes by City

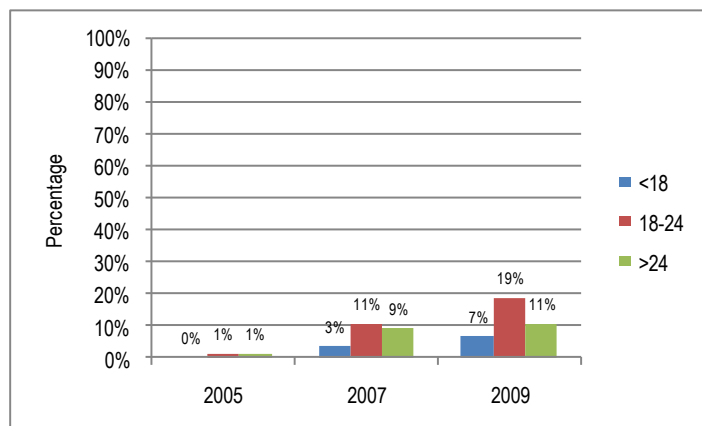
## Zamboanga



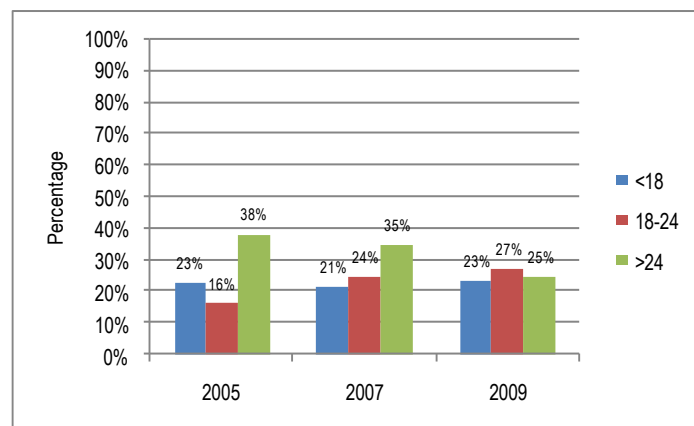
## Cebu



## Gen Santos



## All 3 Sites



INTERVENTION

Fig 20. Percentage of male IDU who accessed HIV/STI services of SHC

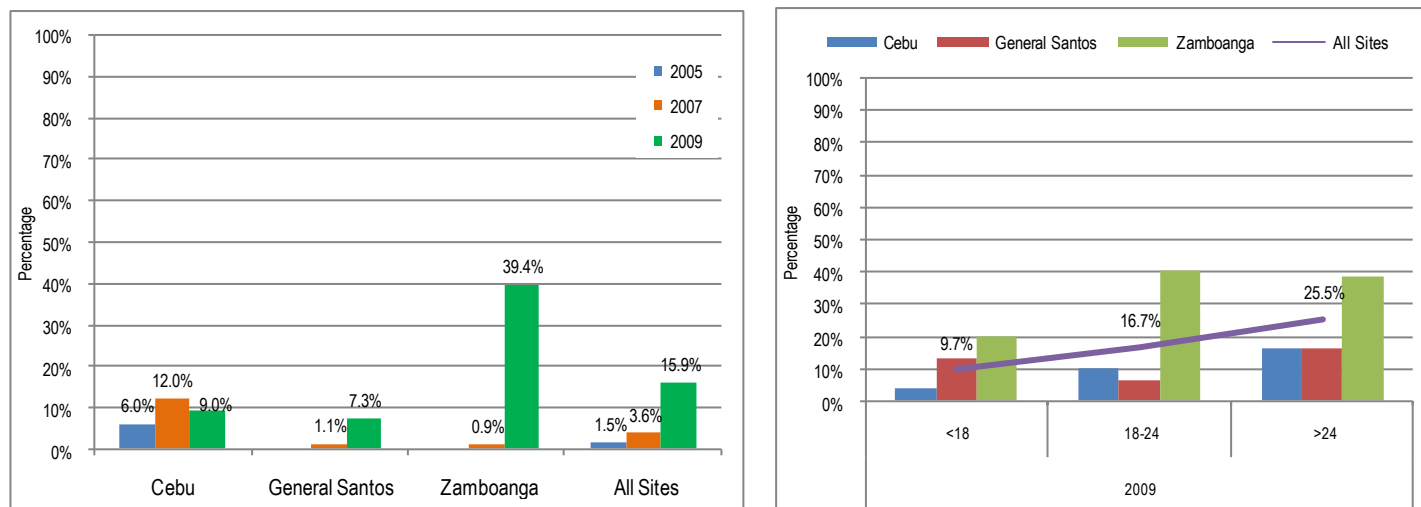
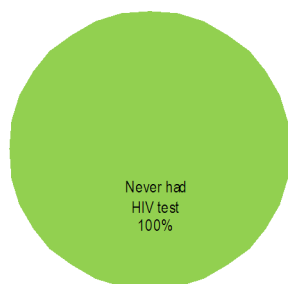
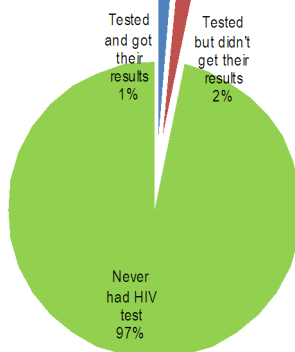


Fig 21. Percentage ever tested for HIV & know their HIV status, 2009

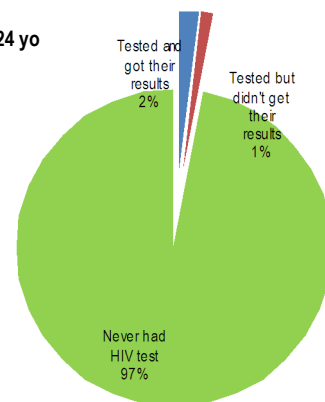
<18 yo



18-24 yo



>24 yo





**2009 Integrated HIV Behavioral Surveillance System**

# **Geographical Area Analysis**

- **Philippines**
- **National Capital Region**
- **Site Specific**

**Philippines**





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## PHILIPPINES

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)	109,731	125,661
*Based in SHC registered establishments (RFSW)	94,049	
Freelance (FFSW)	15,682	31,612
Clients of Female Sex Workers	436,702	1,149,215
Males who have Sex with Males (MSM)	390,733	689,529
Injecting Drug Users (IDU)	3,844	

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS				
	RFSW	FFSW	MSM	IDU
Total Sample	5,043	4,273	4,372	959
Age Range (median)	15-52(23)	15-76(23)	15-65 (22)	15-55 (23)
15-17 years old	0.7%	7.6%	13.6%	6.5%
18 older	99.3%	92.4%	86.4%	93.5%

CIVIL STATUS				
	RFSW	FFSW	MSM	IDU
Single	83.9%	79.2%	93.2%	76.6%
Married	9.5%	11.0%	5.5%	19.8%
Separated/Widow	6.6%	9.7%	1.4%	3.5%

NEW RESIDENT OF THE CITY (1-12months)				
	RFSW	FFSW	MSM	IDU
	79.0%	67.7%	17.7%	9.1%

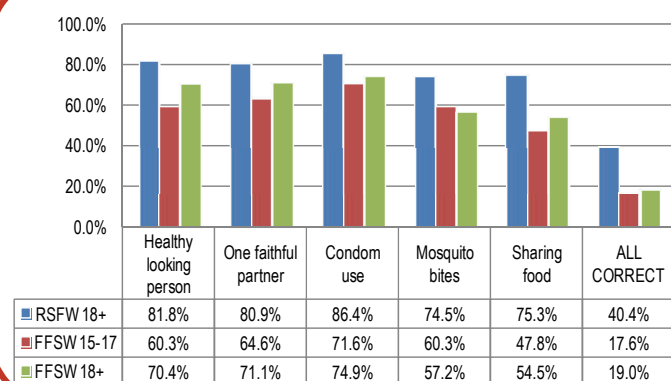
EDUCATIONAL ATTAINMENT				
	RFSW	FFSW	MSM	IDU
None	0.4%	1.6%	0.4%	0.7%
Elementary	10.9%	20.8%	6.5%	17.7%
High School	71.1%	63.6%	49.5%	52.2%
College	17.6%	13.9%	43.6%	29.3%

PRESENTLY LIVING WITH A PARTNER				
	RFSW	FFSW	MSM	IDU
15-17 years old	44.1%	28.5%	6.2%	9.8%
18 years and older	29.3%	37.2%	18.5%	29.2%
Total Sample	29.4%	36.5%	16.8%	27.9%

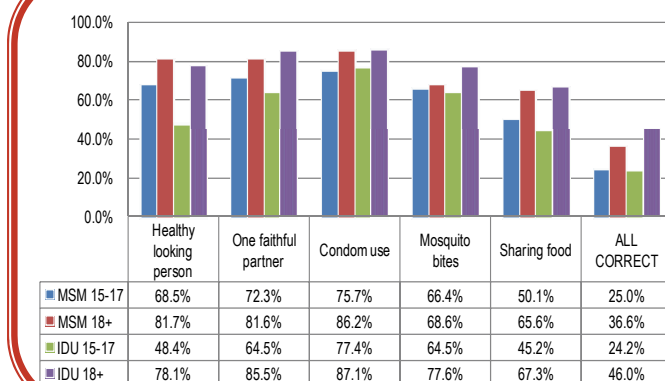
RESPONDENTS WHO HAVE CHILDREN				
	RFSW	FFSW	MSM	IDU
	57.0%	53.8%	12.1%	

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES



RISK BEHAVIORS

AGE PROFILE OF MARPS	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Age of first penetrative sex in years (median)	4-31 (18)	5-37 (17)	5-48 (16)	7-39 (16)	8-17 (15)	5-37 (17)	5-17 (14)	5-48 (16)	10-17 (15)	7-39 (17)
Age of first paid sex in years (median)	10-45 (20)	10-45 (19)	5-48 (17)		11-17 (16)	10-45 (19)	6-17 (15)	5-48 (18)		
Age of first drug use in years (median)				6-46 (16)					9-17 (15)	6-46 (16)
Age of first injected drugs in years (median)				11-54 (18)					13-17 (16)	11-54 (19)
Age of first sex with another male in years (median)			5-48 (16)				5-17 (15)	5-48 (17)		
SEXUAL PRACTICES AND DRUG USE	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Condom use last paid sex (For MSM, last paid anal sex)	73.8%	60.2%	35.7%	24.1%	53.4%	60.8%	16.8%	39.9%	22.2%	24.4%
Condom use last anal sex			31.7%	33.3%			18.3%	33.8%	50.0%	30.4%
Anal receiver			53.6%	4.5%			45.4%	54.8%	6.3%	4.4%
Anal inserter			47.2%	74.0%			51.3%	46.5%	87.5%	72.9%
Both inserter and receiver			13.3%	0.9%			6.9%	14.3%	0.0%	1.0%
Participated in an orgy			15.9%				14.5%	16.2%		
% of MARP who are clients of sex workers past year	3.4%	3.6%	69.7%	25.9%	2.6%	3.6%	58.8%	70.6%	7.5%	27.1%
% of MARPS who sold sex past year			40.7%	35.8%			50.3%	39.2%	51.9%	34.9%
% who used drugs in the past 12 months	10.8%	21.9%	23.1%		27.1%	21.4%	23.4%	23.0%		
% who ever injected drugs among those who used drugs	1.8%	7.5%	6.4%		5.9%	7.7%	8.6%	6.1%		
% who ever shared needles/syringes	40.0%	40.9%	52.4%	86.5%	40.0%	41.0%	100.0%	37.5%	80.3%	86.9%

NUMBER OF SEX PARTNER	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-100 (6)	1-120 (8)	1-60 (4)	1-28 (3)	1-120 (8)	1-100 (9)	1-56 (3)	1-60 (4)	1-8 (2)	1-28 (3)
Number of non-paying partners past month (mean)	1-21 (1)	1-31 (2)	1-60 (2)	1-15 (2)	1-11 (2)	1-31 (2)	1-31 (2)	1-60 (2)	1-6 (2)	1-15 (2)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Attended HIV seminar	72.3%	23.0%	25.4%	32.6%	15.1%	23.7%	15.2%	27.0%	17.6%	33.4%
Received FREE condoms	76.5%	52.7%	41.0%	35.8%	42.3%	53.6%	30.5%	42.7%	27.4%	36.4%
Approached to talk about Injecting Drug Use	40.4%	22.5%	25.6%	45.4%	16.5%	23.0%	18.2%	26.8%	34.4%	46.1%
Received FREE needles				24.4%					22.6%	24.6%
Accessed SHC STI services	97.0%	41.4%	6.7%	20.2%	30.8%	42.3%	1.7%	7.5%	9.7%	21.0%

ATTITUDE TO HIV INTERVENTION	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Feels at risk for HIV	62.1%	63.8%	60.4%	68.1%	62.5%	64.0%	60.5%	60.4%	69.4%	68.0%
Know that SHC provides HIV testing	80.8%	42.2%	37.8%	57.6%	39.4%	42.4%	30.1%	39.0%	39.3%	58.8%
Ever tested for HIV	34.6%	12.6%	8.8%	2.9%	3.4%	13.4%	0.5%	10.2%	0.0%	3.1%
Recently tested for HIV (2009)	24.2%	2.3%	3.7%	0.2%	0.6%	2.5%	0.0%	4.3%	0.0%	0.2%
Ever tested for HIV and got results	27.6%	8.2%	6.8%	1.5%	0.9%	8.8%	0.5%	7.8%	0.0%	1.6%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM	IDU
HIV Prevalence	0.13%	0.39%	0.99%	0.21%
Syphilis Prevalence	0.36%	2.41%	2.09	2.30%

**National Capital Region (NCR)**





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

**N C R**

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)	21,721	37,329
Based in SHC registered establishments (RFSW)	*17,904	**31,632
Freelance (FFSW)	3,817	5,697
Clients of Female Sex Workers	60,743	159,849
Males who have Sex with Males (MSM)	54,349	95,909
Injecting Drug Users (IDU)	1,850	3,140

\*Not an estimate. Based on actual count at the SHC.

\*\*Actual + Estimate of FSW in establishments that do not regularly access SHC

## IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS				
	RFSW	FFSW	MSM	IDU
Total Sample	1,585	1,193	1,435	-
Age Range (median)	15-49 (23)	15-76 (24)	15-65 (24)	-
15-17 years old	0.4%	5.4%	5.0%	-
18 older	99.6%	94.6%	95.0%	-

CIVIL STATUS				
	RFSW	FFSW	MSM	IDU
Single	79.9%	75.8%	88.7%	-
Married	14.5%	17.2%	9.1%	-
Separated/Widow	5.6%	7.0%	2.2%	-

NEW RESIDENT OF THE CITY (1-12months)				
	RFSW	FFSW	MSM	IDU
	73.6%	65.7%	20.3%	-

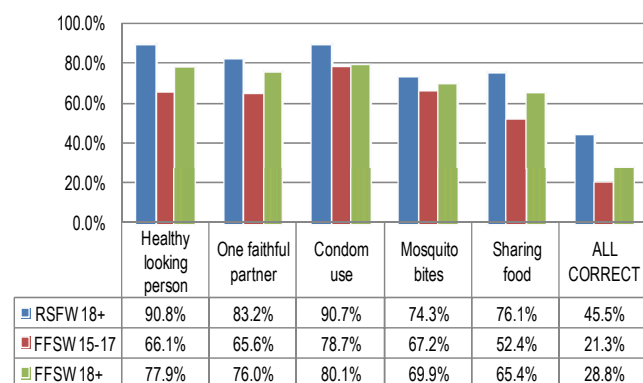
EDUCATIONAL ATTAINMENT				
	RFSW	FFSW	MSM	IDU
None	0.4%	1.0%	0.1%	-
Elementary	7.2%	17.9%	3.5%	-
High School	71.4%	67.7%	45.0%	-
College	21.0%	13.4%	51.3%	-

PRESENTLY LIVING WITH A PARTNER				
	RFSW	FFSW	MSM	IDU
15-17 years old	16.7%	32.7%	16.7%	-
18 years and older	31.9%	41.7%	21.4%	-
Total Sample	31.8%	41.3%	21.2%	-

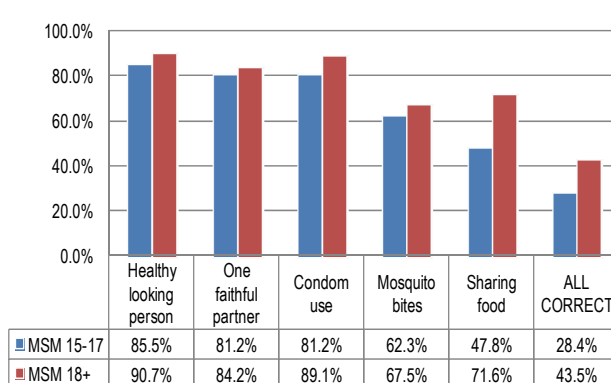
RESPONDENTS WHO HAVE CHILDREN				
	RFSW	FFSW	MSM	IDU
	56.3%	59.9%	18.3%	-

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES



## RISK BEHAVIORS

AGE PROFILE OF MARPS	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Age of first penetrative sex in years (median)	5-30 (18)	6-31 (17)	5-48 (16)	-	12-17 (15)	5-31 (18)	6-17 (14)	5-48 (16)	-	-
Age of first paid sex in years (median)	13-45 (20)	12-44 (20)	5-44 (17)		13-17 (16)	12-44 (20)	9-17 (14)	5-44 (17)		
Age of first drug use in years (median)				-					-	-
Age of first injected drugs in years (median)				-					-	-
Age of first sex with another male in years (median)			5-48 (17)				6-17 (14)	5-48 (17)		

SEXUAL PRACTICES AND DRUG USE	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Condom use last paid sex (For MSM, last paid anal sex)	76.9%	68.3%	58.7%	-	61.1%	68.7%	63.6%	58.5%	-	-
Condom use last anal sex			37.8%	-			18.8%	38.9%	-	-
Anal receiver			44.3%	-			54.7%	43.8%	-	-
Anal inserter			46.0%	-			43.9%	46.1%	-	-
Both inserter and receiver			17.4%	-			12.5%	17.6%	-	-
Participated in an orgy			18.1%				16.9%	18.2%		
% of MARP who are clients of sex workers past year	2.2%	6.6%	68.4%	-	12.7%	6.3%	50.0%	68.9%	-	-
% of MARPS who sold sex past year			39.4%	-			30.6%	39.9%	-	-
% who used drugs in the past 12 months	8.7%	15.0%	25.9%		8.9%	15.3%	21.9%	26.1%		
% who ever injected drugs among those who used drugs	2.2%	4.6%	4.6%		20.0%	4.2%	0.0%	4.8%		
% who ever shared needles/syringes	33.3%	0.0%	25.0%	-	0.0%	0.0%	0.0%	25.0%	-	-

NUMBER OF SEX PARTNER	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Number of paying partners past month (median)	1-100 (4)	1-93 (5)	1-50 (4)	-	1-21 (6)	1-93 (5)	1-10 (3)	1-50 (4)	-	-
Number of non-paying partners past month (median)	1-20 (1)	1-31 (1)	1-60 (1)	-	1-11 (1)	1-31 (1)	1-20 (1)	1-60 (1)	-	-

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Attended HIV seminar	73.7%	26.2%	23.2%	-	14.3%	26.8%	10.0%	23.9%	-	-
Received FREE condoms	82.9%	57.9%	43.9%	-	44.4%	58.7%	36.6%	44.3%	-	-
Approached to talk about Injecting Drug Use	47.2%	26.4%	27.2%	-	16.1%	27.0%	16.9%	27.8%	-	-
Received FREE needles				-					-	-
Accessed SHC STI services	92.9%	34.9%	9.1%	-	20.3%	35.7%	0.0%	9.5%	-	-

ATTITUDE TO HIV INTERVENTION	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Feels at risk for HIV	56.5%	61.3%	62.1%	-	66.1%	61.0%	72.9%	61.6%	-	-
Know that SHC provides HIV testing	75.8%	46.7%	37.7%	-	42.9%	46.9%	26.4%	38.3%	-	-
Ever tested for HIV	17.1%	13.3%	12.6%	-	3.1%	13.9%	0.0%	13.3%	-	-
Recently tested for HIV (2009)	8.0%	3.5%	5.7%	-	0.0%	3.7%	0.0%	6.0%	-	-
Ever tested for HIV and got results	13.5%	9.5%	9.4%	-	3.1%	9.9%	0.0%	9.9%	-	-

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM	IDU
HIV Prevalence	0.23%	0.17%	1.61%	-
Syphilis Prevalence	0.58%	2.36%	2.61%	-

**Site Specific**





**2009**  
**INTEGRATED HIV**  
**BEHAVIORAL**  
**AND SEROLOGIC**  
**SURVEILLANCE**

**FACT SHEETS BY SITE**



# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## ANGELES CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	11,152	
Freelance (FFSW)	56	595
Clients of Female Sex Workers	1,570	4,131
Males who have Sex with Males (MSM)	1,404	2,478
Injecting Drug Users (IDU)	33	65

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	300	300	300
Age Range (median)	18-44 (23)	15-54 (25)	15-51 (22)
15-17 years old	No 15-17 RFSW in the sample	4.0%	12.0%
18 older	100%	96.0%	88.0%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	90.7%	82%	91.2%
Married	5.3%	10.7%	6.8%
Separated/Widow	4.0%	7.3%	2.0%

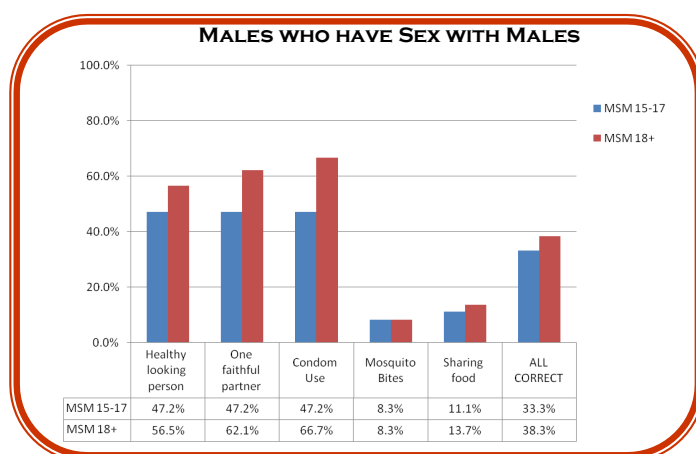
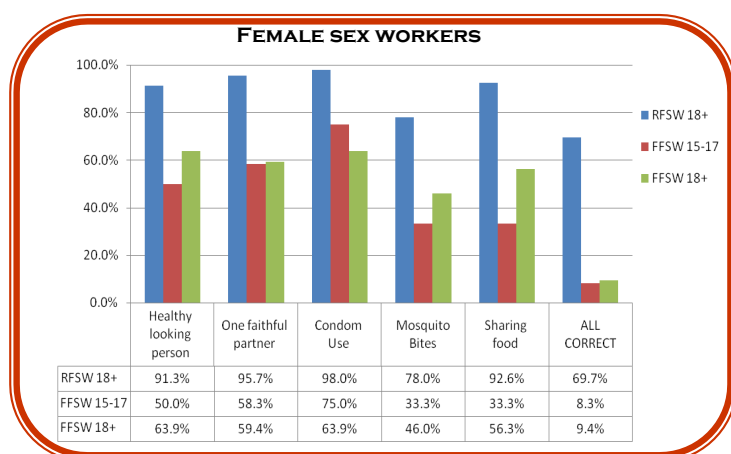
NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	62.9%	44.0%	13.3%

EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	0.7%	0.7%	0.3%
Elementary	10.7%	29.2%	7.8%
High School	75.3%	63.8%	68.5%
College	13.4%	6.4%	23.4%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	-	16.7%	5.6%
18 years and older	20.3%	26.4%	13.3%
Total	20.3%	26.0%	12.3%

RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	53.0%	59.7%	12.9%

## KNOWLEDGE OF HIV



## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	13-26 (18)	9-37 (17)	9-25 (16)	14-17 (15)	9-37 (17)	9-17 (15)	12-25 (17)
Age MARP was first paid for sex (median)	16-36 (21)	14-45 (19)	12-37 (18)	14-17 (15)	14-45 (19)	12-17 (15)	13-37 (18)
Age males had first sex with other males (median)			9-32 (17)			9-17 (15)	12-32 (17)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	89.5%	63.7%	48.9%	75.0%	63.2%	28.6%	52.6%
Condom use last anal sex			57.1%			50.0%	57.9%
Anal receiver			66.0%			55.9%	67.6%
Anal inserter			19.0%			18.8%	19.0%
Both inserter and receiver			7.3%			2.8%	8.0%
Participated in an orgy			8.7%			8.3%	8.7%
% of MARP who are clients of sex workers past year	0.7%	0.7%	85.4%	0%	0.7%	72.2%	87.1%
% of MARPS who sold sex past year			37.7%			38.9%	37.5%
% who used drugs in the past 12 months	1.7%	21.0%	22.6%	25.0%	20.8%	33.3%	21.4%
% who ever injected drugs among those who used drugs	0%	0%	0%	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-20 (5)	1-60 (10)	1-20 (2)	3-10 (6)	1-60 (10)	1-10 (3)	1-20 (2)
Number of non-paying partners past month (mean)	1-6 (1)	1-6 (2)	1-10 (2)	1-6 (2)	1-5 (2)	1-10 (2)	1-6 (1)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	99.7%	8.4%	12.0%	9.1%	8.4%	5.6%	12.9%
Received FREE condoms	51.7%	59.2%	28.0%	63.6%	59.0%	22.2%	28.8%
Approached to talk about Injecting Drug Use	23.3%	20.8%	31.8%	18.2%	20.9%	16.7%	33.8%
Accessed SHC STI services	100%	20.0%	0.3%	50.0%	18.8%	0%	0.4%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	57.9%	74.7%	42.3%	75.0%	74.7%	33.3%	43.6%
Know that SHC provides HIV testing	98.0%	18.3%	61.3%	0%	19.1%	61.1%	61.4%
Ever tested for HIV	11.0%	2.0%	2.0%	0%	2.1%	0%	2.3%
Recently tested for HIV	7.3%	0%	0.3%	0%	0%	0%	0.4%
Ever tested and got HIV results	6.3%	0.7%	2.0%	0%	0.7%	0%	2.3%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0.33%	0.33%	0.33%
Syphilis Prevalence	0.67%	3.67%	1.00%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## BAGUIO CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	1,012	
Freelance (FFSW)	54	1,340
Clients of Female Sex Workers	1,493	3,929
Males who have Sex with Males (MSM)	1,336	2,358
Injecting Drug Users (IDU)	31	62

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	304	305	308
Age Range (median)	18-48 (24)	15-54 (22)	16-56 (23)
15-17 years old	No 15-17 RFSW in the sample	3.9%	2.3%
18 older	100%	96.1%	97.7%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	88.2%	77.7%	90.5%
Married	3.9%	11.5%	7.5%
Separated/Widow	7.9%	10.8%	2.0%

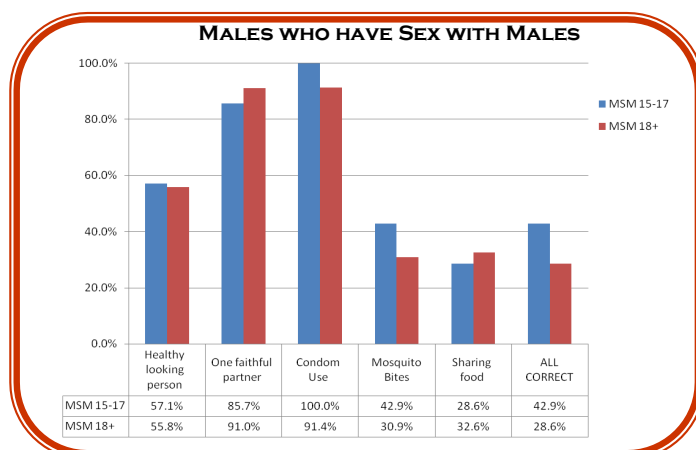
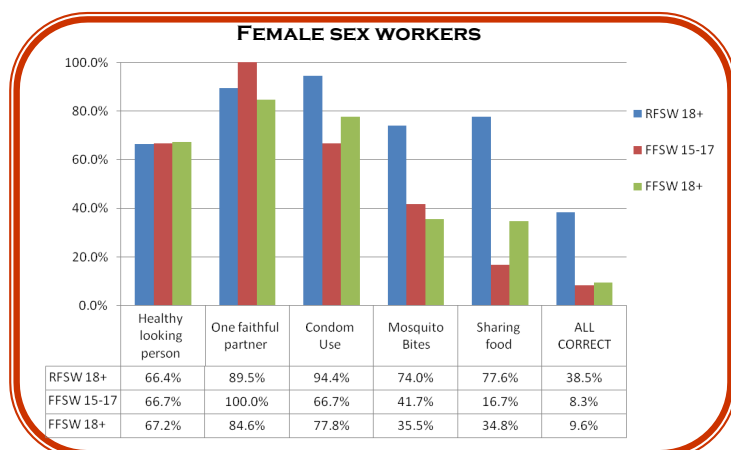
NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	48.5%	55.6%	35.7%

EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	0%	0.7%	0%
Elementary	12.8%	10.8%	2.9%
High School	72.0%	58.7%	43.2%
College	15.1%	29.8%	53.9%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	-	50%	0%
18 years and older	35.5%	39.0%	30.6%
Total	35.5%	39.5%	29.9%

RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	64.5%	41.3%	22.1%

## KNOWLEDGE OF HIV



## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	13-28 (18)	13-30 (18)	6-36 (16)	14-17 (16)	13-30 (18)	13-16 (15)	6-36 (16)
Age MARP was first paid for sex (median)	15-39 (20)	15-41 (20)	15-34 (19)	15-17 (16)	15-41 (20)	16-17 (17)	15-34 (19)
Age males had first sex with other males (median)			6-36 (18)			13-17 (16)	6-36 (18)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	56.6%	23.1%	60.9%	8.3%	23.7%	0%	61.7%
Condom use last anal sex			39.3%			50.0%	39.1%
Anal receiver			41.6%			33.3%	41.8%
Anal inserter			37.1%			33.3%	37.2%
Both inserter and receiver			6.2%			0%	6.3%
Participated in an orgy			12.0%			0%	12.3%
% of MARP who are clients of sex workers past year	6.6%	2.0%	69.8%	0%	2.0%	No 15-17 MSM who are clients	69.8%
% of MARPS who sold sex past year			41.9%			28.6%	42.2%
% who used drugs in the past 12 months	3.3%	3.9%	11.6%	0%	4.1%	0%	11.7%
% who ever injected drugs among those who used drugs	0%	0%	6.7%	No 15-17 FFSW who injected	0%	No 15-17 MSM who injected	6.7%
% who ever shared needles/syringes	No FSW-IDU	No FSW-IDU	1 shared/1 IDU	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-90 (10)	1-60 (4)	1-22 (2)	1-8 (3)	1-60 (5)	1	1-22 (2)
Number of non-paying partners past month (mean)	1-15 (1)	1-8 (1)	1-5(1)	1-5 (2)	1-8 (1)	1	1-5 (1)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	84.9%	8.9%	17.2%	0%	9.2%	0%	17.6%
Received FREE condoms	69.7%	12.8%	30.0%	0%	13.3%	0%	30.7%
Approached to talk about Injecting Drug Use	43.8%	5.4%	7.5%	0%	5.6%	0%	7.7%
Accessed SHC STI services	100%	16.1%	8.1%	8.3%	16.4%	14.3%	8.0%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	65.8%	48.2%	55.5%	41.7%	48.5%	42.9%	55.8%
Know that SHC provides HIV testing	93.1%	34.4%	42.2%	41.7%	34.1%	85.7%	41.2%
Ever tested for HIV	92.4%	10.8%	12.7%	0%	11.3%	0%	13.0%
Recently tested for HIV (2009)	80.9%	1.6%	2.6%	0%	1.7%	0%	2.7%
Ever tested for HIV and got results	87.2%	8.5%	10.7%	0%	8.9%	0%	11.0%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0%	0%
Syphilis Prevalence	0.33%	1.99%	0.66%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## BUTUAN CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	94	
Freelance (FFSW)	53	1,038
Clients of Female Sex Workers	1,476	3,883
Males who have Sex with Males (MSM)	1,320	2,330
Injecting Drug Users (IDU)	31	61

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	98	122	300
Age Range (median)	17-47 (21)	15-49 (18)	15-45 (20)
15-17 years old	5.1%	36.1%	25.3%
18 older	94.9%	63.9%	74.7%

EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	0%	0.8%	0%
Elementary	19.4%	21.3%	9.7%
High School	67.3%	53.3%	46.2%
College	13.3%	24.6%	44.2%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	82.7%	92.6%	97.0%
Married	6.1%	4.9%	2.0%
Separated/Widow	11.2%	2.5%	1.0%

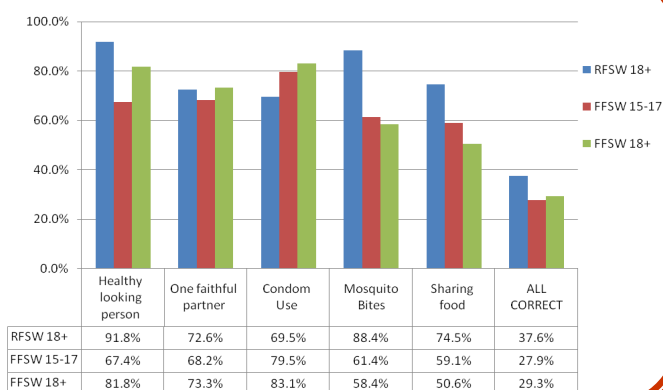
PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	40%	9.1%	5.3%
18 years and older	33.7%	21.6%	9.0%
Total	34%	16.9%	8.0%

NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	44.9%	18.6%	35.7%

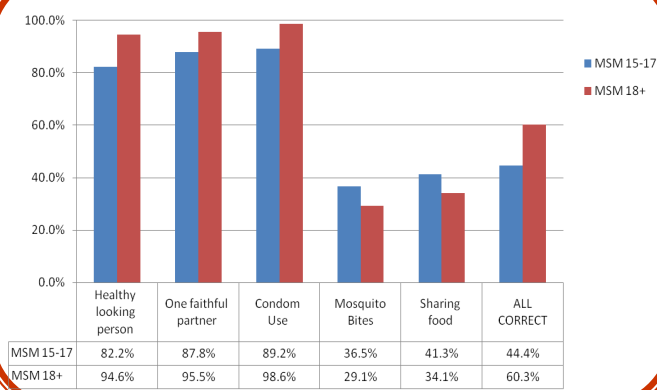
RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	49.0%	19.7%	4.4%

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES



## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	10-29 (17)	11-26 (16)	7-26 (15)	11-17 (15)	13-26 (17)	7-17 (14)	9-26 (15)
Age MARP was first paid for sex (median)	10-37 (19)	11-40 (17)	8-28 (16)	11-17 (15)	14-40 (18)	8-17 (15)	10-28 (16)
Age males had first sex with other males (median)			7-28 (15)			7-17 (14)	10-28 (16)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	75.7%	31.3%	16.7%	29.6%	32.4%	12.5%	18.8%
Condom use last anal sex			27.0%			24.3%	27.9%
Anal receiver			81.9%			76.0%	84.1%
Anal inserter			69.5%			72.4%	68.2%
Both inserter and receiver			3.0%			5.3%	2.2%
Participated in an orgy			14.7%			18.4%	13.4%
% of MARP who are clients of sex workers past year	1.0%	2.5%	44.4%	2.3%	2.6%	52.6%	42.7%
% of MARPS who sold sex past year			30.0%			31.6%	29.5%
% who used drugs in the past 12 months	20.4%	29.2%	32.6%	20.5%	34.2%	31.4%	33.1%
% who ever injected drugs among those who used drugs	0%	5.7%	8.5%	0%	7.7%	0%	11.4%
% who ever shared needles/syringes	NO FSW-IDU	0%	0%	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-20 (4)	1-65 (6)	1-10 (2)	1-20 (5)	1-65 (6)	1-10 (2)	1-10 (2)
Number of non-paying partners past month (mean)	1-5 (2)	1-10 (2)	1-50 (2)	1-10 (2)	1-10 (2)	1-31 (2)	1-50 (2)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	63.3%	5.1%	25.2%	2.3%	6.8%	18.7%	27.4%
Received FREE condoms	56.7%	28.0%	40.7%	27.3%	28.4%	40.0%	40.9%
Approached to talk about Injecting Drug Use	62.9%	11.9%	37.0%	9.1%	13.5%	29.3%	39.6%
Accessed SHC STI services	86.7%	17.2%	3.7%	13.6%	19.5%	0%	4.9%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	70.4%	70.0%	65.0%	72.7%	68.4%	65.3%	64.9%
Know that SHC provides HIV testing	94.9%	47.5%	50.7%	47.7%	47.4%	38.2%	54.9%
Ever tested for HIV	56.1%	2.5%	5.7%	4.6%	1.3%	0%	7.7%
Recently tested for HIV (2009)	38.8%	0%	3.7%	0%	0%	0%	4.9%
Ever tested for HIV and got results	48.0%	0%	5.0%	0%	0%	0%	6.7%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0%	0.33%
Syphilis Prevalence	0%	0%	0%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## CALOOCAN CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	465	
Freelance (FFSW)	245	287
Clients of Female Sex Workers	6,833	17,981
Males who have Sex with Males (MSM)	6,114	10,789
Injecting Drug Users (IDU)	142	284

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	261	151	150
Age Range (median)	18-40 (22)	16-53 (24)	15-65 (24)
15-17 years old	No 15-17 RFSW in the sample	2.0%	10.7%
18 older	100%	98.0%	89.3%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	60.2%	58.9%	92.7%
Married	28.4%	29.8%	5.3%
Separated/Widow	11.5%	11.3%	2.0%

NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	34.1%	27.0%	19.3%

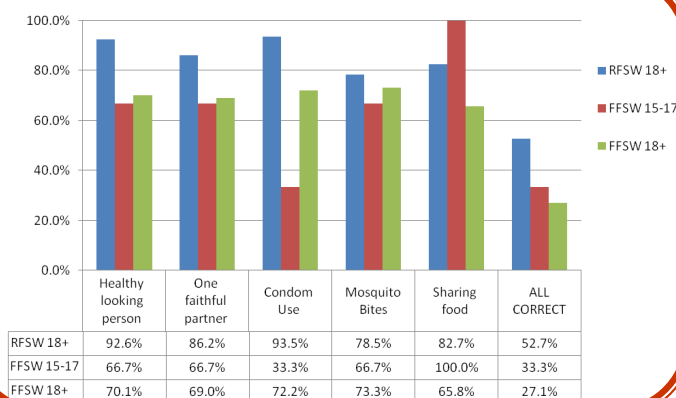
EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	0.8%	0%	0%
Elementary	4.6%	14.8%	6.8%
High School	80.1%	65.1%	48.6%
College	14.6%	20.1%	44.6%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	-	33.3%	18.8%
18 years and older	34.0%	45.5%	15.7%
Total	34.0%	45.3%	16.0%

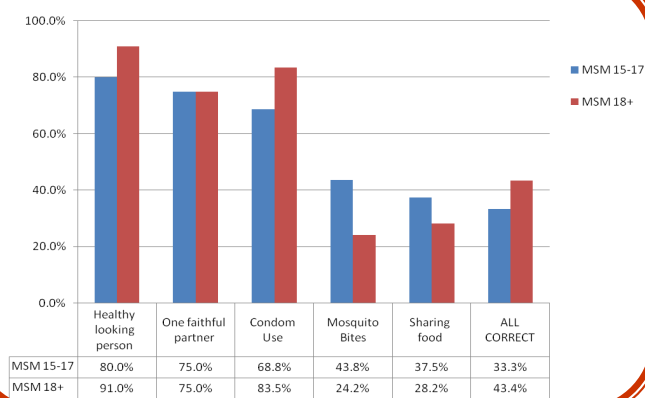
RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	60.2%	65.6%	11.2%

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES





**RISK BEHAVIORS**

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	9-26 (17)	10-23 (18)	7-21 (15)	14-17 (16)	10-23 (18)	8-17 (13)	7-21 (16)
Age MARP was first paid for sex (median)	13-30 (19)	14-40 (20)	9-36 (18)	14-17 (17)	14-40 (20)	13-17 (15)	9-36 (18)
Age males had first sex with other males (median)			7-22 (16)			8-17 (13)	7-22 (16)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	71.8%	53.1%	19.1%	33.3%	53.5%	50.0%	15.8%
Condom use last anal sex			24.7%			12.5%	25.9%
Anal receiver			51.9%			42.9%	52.9%
Anal inserter			36.0%			27.3%	36.8%
Both inserter and receiver			16.0%			0%	17.9%
Participated in an orgy			13.4%			12.5%	13.5%
% of MARP who are clients of sex workers past year	5.8%	3.3%	65.3%	33.3%	2.7%	14.3%	71.0%
% of MARPS who sold sex past year			23.3%			25.0%	23.1%
% who used drugs in the past 12 months	1.9%	8.6%	12.4%	0%	8.8%	0%	13.8%
% who ever injected drugs among those who used drugs	20.0%	0%	0%	0%	0%	0%	0%
% who ever shared needles/syringes	0%	NO FSW-IDU	NO MSM-IDU	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-90 (10)	1-60 (6)	1-50 (6)	1-20 (8)	1-60 (6)	1-2 (1)	1-50 (7)
Number of non-paying partners past month (mean)	1-10 (1)	1-31 (2)	1-21 (3)	1-3 (2)	1-31 (2)	1-7 (2)	1-21 (3)

**INTERVENTION**

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	79.2%	21.1%	18.8%	0%	21.5%	18.8%	18.8%
Received FREE condoms	89.3%	44.7%	36.9%	66.7%	44.2%	18.8%	39.1%
Approached to talk about Injecting Drug Use	80.8%	13.6%	24.8%	0%	13.9%	18.8%	25.6%
Accessed SHC STI services	95.4%	37.1%	5.3%	33.3%	37.2%	0%	6.0%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	30.0%	59.1%	70.3%	33.3%	59.6%	68.8%	70.5%
Know that SHC provides HIV testing	97.7%	64.2%	36.0%	66.7%	64.2%	43.8%	35.1%
Ever tested for HIV	15.3%	6.7%	7.4%	0%	6.8%	0%	8.3%
Recently tested for HIV (2009)	11.1%	4.0%	4.0%	0%	4.1%	0%	4.5%
Ever tested for HIV and got results	13.0%	4.6%	4.7%	0%	5.2%	0%	5.2%

**PREVALENCE**

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0%	0.67%
Syphilis Prevalence	0%	0.67%	1.33%





## CAGAYAN DE ORO CITY

# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	831	
Freelance (FFSW)	98	1,059
Clients of Female Sex Workers	2,740	7,210
Males who have Sex with Males (MSM)	2,451	4,326
Injecting Drug Users (IDU)	57	114

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS		
	RFSW	FFSW
Total Sample	300	299
Age Range (median)	16-49 (23)	15-47 (21)
15-17 years old	1.3%	12.0%
18 older	98.7%	88%

CIVIL STATUS		
	RFSW	FFSW
Single	85%	84.3%
Married	10%	8.0%
Separated/Widow	5.0%	7.7%

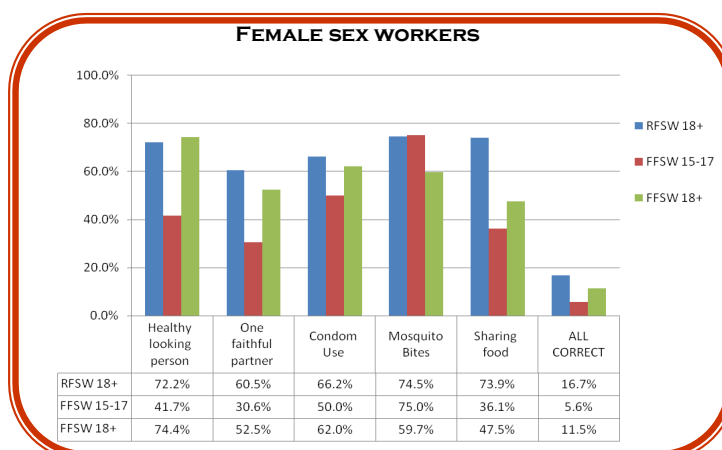
NEW RESIDENT OF THE CITY (1-12months)		
	RFSW	FFSW
	38.2%	41.9%

EDUCATIONAL ATTAINMENT		
	RFSW	FFSW
None	0%	5.7%
Elementary	8.7%	20.7%
High School	71.3%	65.2%
College	20.0%	8.4%

PRESENTLY LIVING WITH A PARTNER		
	RFSW	FFSW
15-17 years old	50%	41.7%
18 years and older	37.2%	51.7%
Total	37.3%	50.5%

RESPONDENTS WHO HAVE CHILDREN		
	RFSW	FFSW
	58.3%	52.5%

## KNOWLEDGE OF HIV



## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL		FFSW	
	RFSW	FFSW	15-17	18 older
Age of first penetrative sex (median)	7-25 (17)	5-28 (16)	8-17 (15)	5-28 (16)
Age MARP was first paid for sex (median)	14-42 (20)	10-38 (18)	14-17 (16)	10-38 (19)

SEXUAL PRACTICES AND DRUG USE	TOTAL		FFSW	
	RFSW	FFSW	15-17	18 older
Condom use last time MARP was paid for sex	73.2%	70.8%	74.3%	70.3%
% of MARP who are clients of sex workers past year	1.0%	1.3%	0%	1.5%
% who used drugs in the past 12 months	24.7%	36.6%	38.9%	36.3%
% who ever injected drugs among those who used drugs	2.7%	7.3%	7.1%	7.4%
% who ever shared needles	2 shared/2 IDU	4 shared/ 8 IDU	-	-

NUMBER OF SEX PARTNERS	TOTAL		FFSW	
	RFSW	FFSW	15-17	18 older
Number of paying partners past month (mean)	1-32 (5)	1-100 (15)	1-50 (15)	1-100 (15)
Number of non-paying partners past month (mean)	1-15 (1)	1-4 (1)	1-4 (1)	1-4 (1)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL		FFSW	
	RFSW	FFSW	15-17	18 older
Attended HIV seminar	77.7%	32.8%	19.4%	34.6%
Received FREE condoms	64.3%	79.6%	66.7%	81.4%
Approached to talk about Injecting Drug Use	23.0%	22.7%	13.9%	24.0%
Accessed SHC STI services	100%	78.3%	58.3%	81%

ATTITUDE TO HIV INTERVENTION	TOTAL		FFSW	
	RFSW	FFSW	15-17	18 older
Feels at risk for HIV	74.3%	72.6%	63.9%	73.8%
Know that SHC provides HIV testing	77.0%	45.5%	36.1%	46.8%
Ever tested for HIV	20.3%	26.4%	8.3%	28.9%
Recently tested for HIV (2009)	0%	1.0%	0%	1.1%
Ever tested for HIV and got results	8.0%	10.4%	2.8%	11.4%

## PREVALENCE

Serologic Data	RFSW	FFSW
HIV Prevalence	0%	0%
Syphilis Prevalence	0%	1.00%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## CEBU CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	2,252	
Freelance (FFSW)	142	1,940
Clients of Female Sex Workers	3,955	10,408
Males who have Sex with Males (MSM)	3,539	6,245
Injecting Drug Users (IDU)	2,027	

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS				
	RFSW	FFSW	MSM	IDU
Total Sample	300	299	300	341
Age Range (median)	18-52 (24)	15-50 (21)	15-47 (20)	15-55 (23)
15-17 years old	No 15-17 RFSW in the sample	16.4%	28.7%	7.6%
18 older	100%	83.6%	71.3%	92.4%

CIVIL STATUS				
	RFSW	FFSW	MSM	IDU
Single	87.7%	91.8%	97.0%	87.7%
Married	6.3%	2.1%	2.3%	8.5%
Separated/Widow	6.0%	6.2%	0.7%	3.8%

NEW RESIDENT OF THE CITY (1-12months)				
	RFSW	FFSW	MSM	IDU
	28.1%	30.8%	13.3%	5.3%

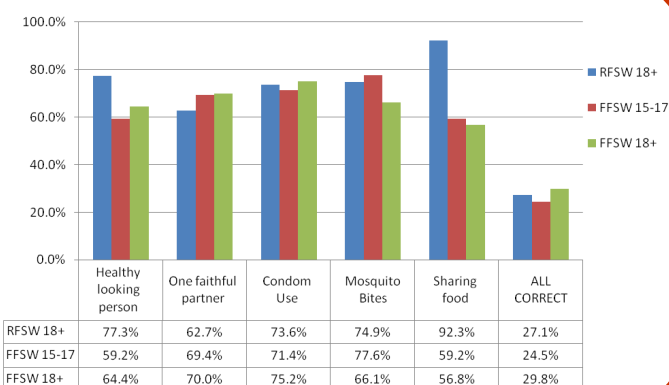
EDUCATIONAL ATTAINMENT				
	RFSW	FFSW	MSM	IDU
None	0.3%	4.1%	0.7%	0.6%
Elementary	9.3%	33.6%	13.7%	17.3%
High School	65.3%	56.8%	55.3%	61.0%
College	25.0%	5.5%	30.3%	21.1%

PRESENTLY LIVING WITH A PARTNER				
	RFSW	FFSW	MSM	IDU
15-17 years old	-	30.6%	4.7%	0%
18 years and older	27.2%	48.2%	14.6%	28.5%
Total Sample	27.2%	45.2%	11.7%	26.3%

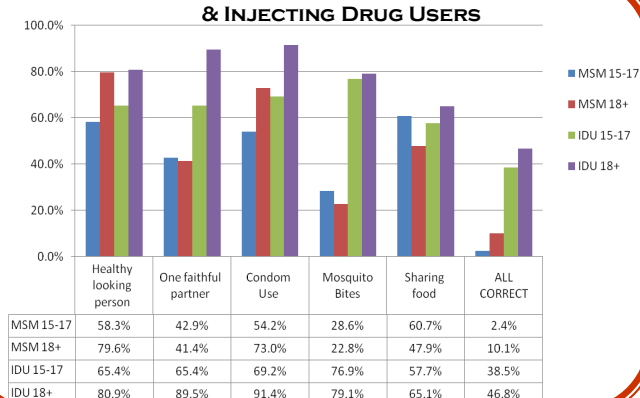
RESPONDENTS WHO HAVE CHILDREN				
	RFSW	FFSW	MSM	IDU
	63.7%	46.2%	8.8%	

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES & INJECTING DRUG USERS



**RISK BEHAVIORS**

AGE PROFILE OF MARPS (in years)	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	4-25 (18)	5-31 (16)	5-25 (14)	9-39 (16)	12-17 (14)	5-31 (17)	5-17 (13)	6-25 (14)	13-16 (15)	9-39 (16)
Age MARP was first paid for sex (median)	15-45 (21)	12-42 (18)	9-28 (16)		13-17 (16)	12-42 (19)	9-17 (15)	10-28 (18)		
Age of first drug use (median)				6-46 (15)					9-17 (15)	6-46 (15)
Age of first injected drugs (median)				12-54 (19)					14-17 (16)	12-54 (20)
Age of first sex with another male (median)			5-26 (15)				5-17 (14)	6-26 (15)		

SEXUAL PRACTICES	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	91.4%	82.5%	25.3%	71.4%	84.8%	32.3%	20.8%
Condom use last anal sex			29.9%			26.7%	31.1%
Anal receiver			55.5%			44.7%	59.6%
Anal inserter			50.7%			41.0%	54.6%
Both inserter and receiver			23.0%			7.0%	29.4%
Participated in an orgy			33.3%			32.6%	33.6%
% of MARP who are clients of sex workers past year	3.0%	2.3%	60.2%	0%	2.8%	55.6%	61.1%
% of MARPS who sold sex past year			54.7%			64.0%	50.9%

SEXUAL PRACTICES OF IDUS			
	IDU		IDU
% who are ever MSM	66.2%	% with non-paying partner	72.6%
Condom use last anal sex	37.5%	% who sold sex (sex worker)	43.9%
Anal Receiver	5.1%	Condom use last sex with paying partner	30.7%
Anal Inserter	69.7%	% who are clients of sex workers	12.1%
Both anal receiver and inserter	2.1%	Condom use last sex with sex worker	35.1%

NUMBER OF SEX PARTNER	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-52 (6)	1-120 (14)	1-50 (4)	1-20 (3)	1-120 (13)	1-90 (15)	1-30 (3)	1-50 (4)	1-8 (3)	1-20 (3)
Number of non-paying partners past month (mean)	1-20 (2)	1-4 (1)	1-20 (3)	1	1-2 (1)	1-4 (1)	1-8 (2)	1-20 (3)	Data not available	1

**RISK BEHAVIORS**

DRUG USE	TOTAL	TOTAL	TOTAL	TOTAL	FFSW	FFSW	MSM	MSM	IDU	IDU
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
% who used drugs in the past 12 months	17.7%	61.3%	27.0%		57.1%	62.1%	29.4%	26.2%		
% who ever injected drugs among those who used drugs	0%	19.6%	28.2%		10.7%	21.2%	45.5%	21.4%		
% who ever shared needles/syringes	No FSW-IDU	14 shared/35 IDU	8 shared/11 IDU	92.9%	-	-	-	-	92.3%	93.0%
% who shared needles during last injection				40.7%					42.3%	40.6%
% who ever injected in shooting gallery				96.5%					96.2%	96.5%

**INTERVENTION**

EXPOSURE TO HIV INTERVENTION	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Attended HIV seminar	60.0%	32.0%	28.1%	53.5%	32.7%	31.8%	19.8%	31.5%	50.0%	53.7%
Received FREE condoms	81.7%	86.0%	38.4%	43.4%	75.5%	88.0%	25.6%	43.6%	26.9%	44.8%
Approached to talk about Injecting Drug Use	26.7%	34.0%	7.4%	60.0%	36.7%	33.5%	5.9%	8.1%	52.0%	60.6%
Received FREE needles				52.8%					46.2%	53.3%
Accessed SHC STI services	100%	71.9%	2.3%	12.0%	53.1%	75.6%	0%	3.3%	3.9%	12.7%

ATTITUDE TO HIV INTERVENTION	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Feels at risk for HIV	48.3%	59.3%	49.3%	82.1%	61.2%	58.9%	46.4%	50.5%	84.6%	81.9%
Know that SHC provides HIV testing	62.0%	56.2%	11.7%	61.0%	46.9%	58.0%	10.5%	12.2%	50.0%	61.9%
Ever tested for HIV	80.3%	23.4%	3.4%	3.8%	4.1%	27.2%	1.2%	4.2%	0%	4.1%
Recently tested for HIV (2009)	71.7%	2.3%	2.3%	0.6%	2.0%	2.4%	0%	3.3%	0%	0.6%
Ever tested for HIV and got results	65.7%	13.7%	3.0%	2.1%	0%	16.4%	1.2%	3.7%	0%	2.2%

**PREVALENCE**

Serologic Data	RFSW	FFSW	MSM	IDU
HIV Prevalence	0.33%	4.00%	1.00%	0.59%
Syphilis Prevalence	0%	7.00%	2.00%	3.23%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## DAVAO CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	5,502	
Freelance (FFSW)	243	472
Clients of Female Sex Workers	6,756	17,780
Males who have Sex with Males (MSM)	6,045	10,668
Injecting Drug Users (IDU)	140	281

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	300	300	300
Age Range (median)	18-48 (25)	15-49 (22)	16-48 (22)
15-17 years old	No 15-17 RFSW in the sample	5.3%	14.3%
18 older	100%	94.7%	85.7%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	83.3%	82.8%	98.67%
Married	9.7%	13.4%	0.67%
Separated/Widow	7.0%	3.8%	0.67%

NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	40.9%	27.7%	41.0%

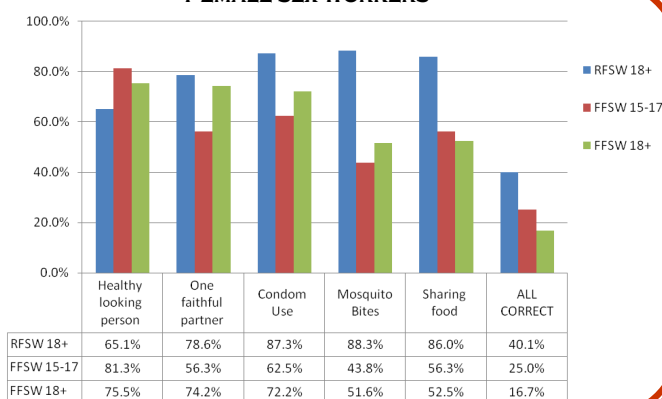
EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	0%	1.4%	1.0%
Elementary	10%	23.4%	5.7%
High School	69.9%	66.7%	59.5%
College	20.1%	8.6%	33.8%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	-	46.7%	2.3%
18 years and older	38.9%	52.4%	15.9%
Total Sample	38.9%	52.1%	13.9%

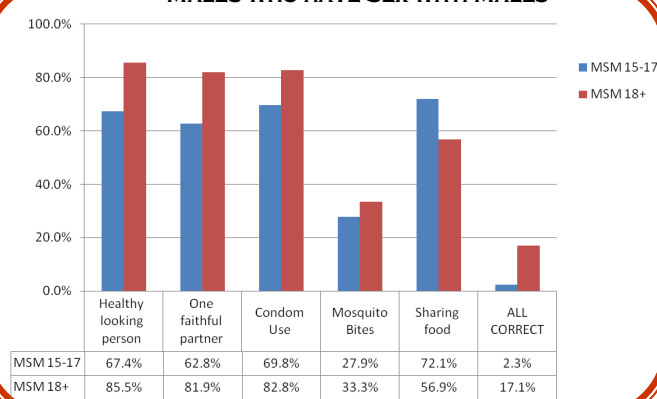
RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	75.3%	64.0%	7.3%

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES



**RISK BEHAVIORS**

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 above
Age of first penetrative sex (median)	9-29 (17)	8-27 (16)	5-24 (14)	12-16 (15)	8-27 (16)	7-16 (13)	5-24 (15)
Age MARP was first paid for sex (median)	13-43 (22)	11-42 (19)	6-29 (17)	11-17 (16)	11-42 (19)	9-17 (15)	6-29 (18)
Age males had first sex with other males (median)			5-28 (15)			7-17 (13)	5-28 (15)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	83.8%	73.3%	29.1%	60.0%	74.0%	13.3%	32.8%
Condom use last anal sex			24.9%			10.3%	27.4%
Anal receiver			59.5%			57.5%	59.8%
Anal inserter			36.0%			26.3%	37.5%
Both inserter and receiver			20.0%			11.6%	21.4%
Participated in an orgy			15.3%			9.3%	16.3%
% of MARP who are clients of sex workers past year	2.0%	3.0%	69.5%	0%	3.2%	69.2%	69.5%
% of MARPS who sold sex past year			40.3%			46.5%	39.3%
% who used drugs in the past 12 months	20.0%	29.6%	20.7%	66.7%	27.5%	12.5%	22.0%
% who ever injected drugs among those who used drugs	0%	9.3%	7.5%	0%	10.5%	0%	8.1%
%who ever shared needles or syringe	No FSW-IDU	3 shared/8 IDU	1 shared/3 IDU	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-50 (4)	1-90 (13)	1-60 (5)	1-45 (9)	1-90 (13)	1-56 (6)	1-60 (5)
Number of non-paying partners past month (mean)	1-4 (1)	1-8 (1)	1-40 (3)	1-6 (2)	1-8 (1)	1-25 (4)	1-40 (2)

**INTERVENTION**

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	93.7%	50.5%	42.0%	46.7%	50.7%	32.6%	43.6%
Received FREE condoms	75.7%	63.2%	52.9%	62.5%	63.3%	42.9%	54.5%
Approached to talk about Injecting Drug Use	55.0%	35.2%	23.2%	33.3%	35.3%	16.3%	24.4%
Accessed SHC STI services	99.7%	67.3%	4.3%	50.0%	68.3%	0%	5.1%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	67.7%	83.2%	63.6%	93.3%	82.6%	48.8%	66.0%
Know that SHC provides HIV testing	86.0%	38.7%	24.7%	43.8%	38.4%	23.3%	24.9%
Ever tested for HIV	31.7%	28.0%	4.0%	0%	29.6%	0%	4.7%
Recently tested for HIV (2009)	13.3%	8.7%	2.3%	0%	9.2%	0%	2.7%
Ever tested for HIV and got results	15.0%	16.7%	1.7%	0%	17.6%	0%	2.0%

**PREVALENCE**

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0%	3.67%
Syphilis Prevalence	0%	0.33%	0.67%







## GENERAL SANTOS CITY

# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC Registered Establishments (RFSW)	381	
Freelance (FFSW)	94	1,294
Clients of Female Sex Workers	2,619	6,892
Males who have Sex with Males (MSM)	2,343	4,135
Injecting Drug Users (IDU)	627	

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS				
	RFSW	FFSW	MSM	IDU
Total Sample	300	300	304	304
Age Range (median)	17-46 (23)	15-49 (21)	15-47 (19)	16-42 (22)
15-17 years old	1.3%	10.3%	29.0%	10.2%
18 older	98.7%	89.7%	71.0%	89.8%

EDUCATIONAL ATTAINMENT				
	RFSW	FFSW	MSM	IDU
None	0.7%	3.0%	0%	0.3%
Elementary	14.7%	22.5%	8.9%	6.3%
High School	72.7%	58.7%	47.2%	52.5%
College	12.0%	15.8%	43.9%	40.9%

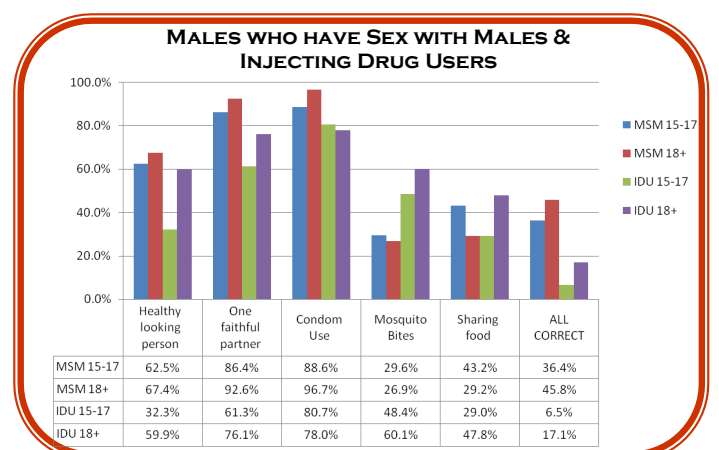
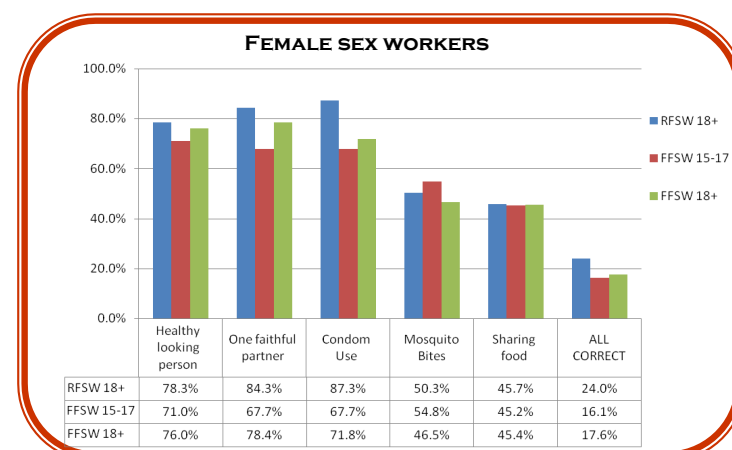
CIVIL STATUS				
	RFSW	FFSW	MSM	IDU
Single	89.3%	93.0%	98.3%	84.5%
Married	9.7%	3.0%	1.0%	14.5%
Separated/Widow	1.0%	4.0%	0.7%	1.0%

PRESENTLY LIVING WITH A PARTNER				
	RFSW	FFSW	MSM	IDU
15-17 years old	25.0%	16.1%	5.7%	10.0%
18 years and older	25.5%	34.2%	12.0%	22.9%
Total Sample	25.5%	32.3%	10.2%	21.6%

NEW RESIDENT OF THE CITY (1-12months)				
	RFSW	FFSW	MSM	IDU
	33.7%	21.6%	11.8%	7.9%

RESPONDENTS WHO HAVE CHILDREN				
	RFSW	FFSW	MSM	IDU
	58.0%	41.3%	3.0%	

## KNOWLEDGE OF HIV



## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	12-26 (17)	8-24 (16)	7-26 (15)	7-29 (16)	12-17 (14)	8-24 (16)	8-17 (15)	7-26 (15)	10-17 (16)	7-29 (16)
Age MARP was first paid for sex (median)	14-37 (20)	11-37 (18)	9-31 (17)		13-17 (16)	11-37 (19)	11-17 (15)	9-31 (18)		
Age of first drug use (median)				9-28 (16)					11-17 (15)	9-28 (16)
Age of first injected drugs (median)				11-39 (18)					13-17 (16)	11-39 (18)
Age of first sex with another male (median)			7-26 (16)				8-17 (15)	7-26 (16)		

SEXUAL PRACTICES	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	78.9%	60.7%	14.1%	61.3%	60.7%	10.6%	17.8%
Condom use last anal sex			21.5%			7.9%	26.9%
Anal receiver			45.7%			20.0%	54.4%
Anal inserter			57.7%			69.1%	52.7%
Both inserter and receiver			15.5%			9.1%	18.1%
Participated in an orgy			13.8%			13.6%	13.9%
% of MARP who are clients of sex workers past year	0.3%	0.3%	71.6%	0%	0.4%	83.3%	70.6%
% of MARPS who sold sex past year			43.8%			69.3%	33.3%

SEXUAL PRACTICES OF IDUS			
	IDU		IDU
% who are ever MSM	50.4%	% with non-paying partner	77.4%
Condom use last anal sex	35.3%	% who sold sex (sex worker)	41.3%
Anal Receiver	7.0%	Condom use last sex with paying partner	23.4%
Anal Inserter	78.4%	% who are clients of sex workers	11.7%
Both anal receiver and inserter	0%	Condom use last sex with sex worker	42.9%

NUMBER OF SEX PARTNER	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-30 (5)	1-50 (7)	1-20 (2)	1-88 (7)	1-20 (6)	1-50 (7)	1-20 (2)	1-8 (2)	1-88 (11)	1-88 (6)
Number of non-paying partners past month (mean)	1-7 (1)	1-13 (1)	1-20 (1)	1	1-3 (1)	1-13 (1)	1-3 (1)	1-20 (1)	1	1

## RISK BEHAVIORS

DRUG USE	TOTAL	TOTAL	TOTAL	TOTAL	FFSW	FFSW	MSM	MSM	IDU	IDU
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
% who used drugs in the past 12 months	11.7%	19.8%	24.3%		6.5%	21.4%	38.5%	19.3%		
% who ever injected drugs among those who used drugs	0%	6.8%	0%		0%	7.0%	0%	0%		
% who ever shared needles/syringes	No FSW-IDU	3 shared/4 IDU	No MSM-IDU	80.7%	-	-	-	-	73.3%	81.5%
% who shared needles during last injection				80.9%					83.9%	80.6%
% who ever injected in shooting gallery				46.1%					35.5%	47.3%

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Attended HIV seminar	36.3%	8.7%	17.5%	7.5%	0%	9.7%	3.4%	23.3%	5.3%	7.7%
Received FREE condoms	80.9%	16.1%	24.3%	29.6%	6.5%	17.2%	12.5%	29.2%	32.3%	29.3%
Approached to talk about Injecting Drug Use	12.7%	3.7%	11.9%	23.4%	0%	4.1%	4.9%	14.6%	22.6%	23.4%
Received FREE needles				15.5%					6.5%	16.5%
Accessed SHC STI services	100%	11.7%	5.3%	10.2%	3.2%	12.6%	4.6%	5.6%	12.9%	9.9%

ATTITUDE TO HIV INTERVENTION	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Feels at risk for HIV	69.7	46.6%	60.5%	47.9%	48.4%	46.4%	62.5%	59.7%	58.1%	46.7%
Know that SHC provides HIV testing	99.3%	14.0%	14.1%	18.1%	16.1%	13.8%	9.1%	16.2%	19.4%	18.0%
Ever tested for HIV	20.3%	1.3%	5.9%	1.0%	0%	1.5%	0%	8.3%	0%	1.1%
Recently tested for HIV (2009)	2.7%	0%	0.7%	0%	0%	0%	0%	0.9%	0%	0%
Ever tested for HIV and got results	10.3%	0.7%	2.6%	0.7%	0%	0.7%	0%	3.7%	0%	0.7%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM	IDU
HIV Prevalence	0%	0.33%	0.67%	0%
Syphilis Prevalence	0.33%	2.00%	1.33%	0.33%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## ILOILO CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	740	
Freelance (FFSW)	74	787
Clients of Female Sex Workers	2,071	5,449
Males who have Sex with Males (MSM)	1,853	3,270
Injecting Drug Users (IDU)	43	86

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS		
	RFSW	FFSW
Total Sample	300	300
Age Range (median)	18-52 (24)	16-46 (23)
15-17 years old	No 15-17 RFSW in the sample	1.0%
18 older	100%	99.0%

CIVIL STATUS		
	RFSW	FFSW
Single	88.7%	88.3%
Married	9.3%	7.3%
Separated/Widow	2.0%	4.3%

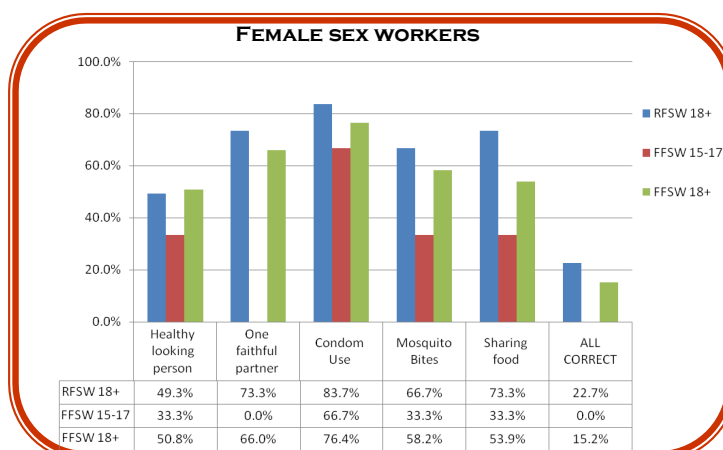
NEW RESIDENT OF THE CITY (1-12months)	
RFSW	FFSW
45.7%	37.0%

EDUCATIONAL ATTAINMENT		
	RFSW	FFSW
None	0%	0.3%
Elementary	11.3%	13.7%
High School	73.0%	74.0%
College	15.7%	12.0%

PRESENTLY LIVING WITH A PARTNER		
	RFSW	FFSW
15-17 years old	-	33.3%
18 years and older	35.3%	38.1%
Total	35.3%	38.0%

RESPONDENTS WHO HAVE CHILDREN	
RFSW	FFSW
61.3%	62.3%

## KNOWLEDGE OF HIV



## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL		FFSW	
	RFSW	FFSW	15-17	18 older
Age of first penetrative sex (median)	8-26 (18)	8-25 (17)	15-17 (16)	8-25 (17)
Age MARP was first paid for sex (median)	13-40 (20)	12-38 (19)	15-16 (16)	12-38 (19)

SEXUAL PRACTICES AND DRUG USE	TOTAL		FFSW	
	RFSW	FFSW	15-17	18 older
Condom use last time MARP was paid for sex	53.0%	60.7%	66.7%	60.6%
% of MARP who are clients of sex workers past year	1.3%	1.3%	0%	1.4%
% who used drugs in the past 12 months	18.0%	37.7%	33.3%	37.7%
% who ever injected drugs among those who used drugs	3.7%	1.8%	0%	1.8%
% who ever shared needles/syringes	0%	2 shared/ 2 IDU	-	-

NUMBER OF SEX PARTNERS	TOTAL		FFSW	
	RFSW	FFSW	15-17	18 older
Number of paying partners past month (mean)	1-90 (7)	1-90 (12)	3-9 (6)	1-90 (12)
Number of non-paying partners past month (mean)	1-12 (2)	1-10 (1)	1	1-10 (1)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL		FFSW	
	RFSW	FFSW	15-17	18 older
Attended HIV seminar	83.0%	41.0%	33.3%	41.1%
Received FREE condoms	81.7%	63.2%	33.3%	63.5%
Approached to talk about Injecting Drug Use	38.7%	21.1%	0%	21.3%
Accessed SHC STI services	98.7%	79.0%	33.3%	79.5%

ATTITUDE TO HIV INTERVENTION	TOTAL		FFSW	
	RFSW	FFSW	15-17	18 older
Feels at risk for HIV	65.7%	77%	33.3%	77.4%
Know that SHC provides HIV testing	57.3%	41.7%	33.3%	41.8%
Ever tested for HIV	3.0%	1.3%	0%	1.4%
Recently tested for HIV	0.3%	0.3%	0%	0.3%
Ever tested and got HIV results	2.3%	1.0%	0%	1.0%

## PREVALENCE

Serologic Data	RFSW	FFSW
HIV Prevalence	0.33%	0%
Syphilis Prevalence	0%	5.33%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## LAOAG CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	608	
Freelance (FFSW)	18	133
Clients of Female Sex Workers	507	1,333
Males who have Sex with Males (MSM)	453	800
Injecting Drug Users (IDU)	11	21

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS	
	RFSW
Total Sample	166
Age Range (median)	15-42 (22)
15-17 years old	0.6%
18 older	99.4%

EDUCATIONAL ATTAINMENT	
	RFSW
None	1.2%
Elementary	13.3%
High School	77.7%
College	7.8%

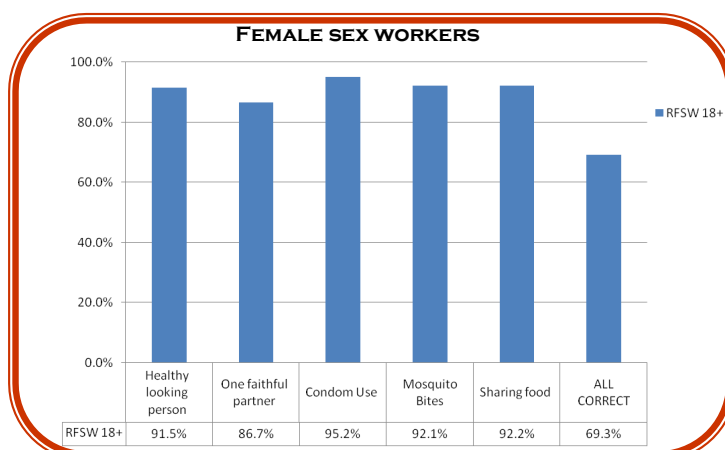
CIVIL STATUS	
	RFSW
Single	94.6%
Married	3.6%
Separated/Widow	1.8%

PRESENTLY LIVING WITH A PARTNER	
	RFSW
15-17 years old	0%
18 years and older	12.1%
Total Sample	12.0%

LENGTH OF STAY IN THE CITY	
	RFSW
Recent resident (1-12 months)	88.6%

HAVE CHILDREN	
	RFSW
Total Sample	60.2%

## KNOWLEDGE OF HIV



**RISK BEHAVIORS**

AGE PROFILE OF MARPS (in years)	TOTAL
	<b>RFSW</b>
Age of first penetrative sex (median)	5-31 (17)
Age MARP was first paid for sex (median)	14-37 (20)

SEXUAL PRACTICES AND DRUG USE	TOTAL
	<b>RFSW</b>
Condom use last time MARP was paid for sex	60.8%
% of MARP who are clients of sex workers past year	0%
% who used drugs in the past 12 months	2.4%
% who ever injected drugs among those who used drugs	0%

NUMBER OF SEX PARTNERS	TOTAL
	<b>RFSW</b>
Number of paying partners past month (mean)	1-20 (3)
Number of non-paying partners past month (mean)	1-2 (1)

**INTERVENTION**

EXPOSURE TO HIV INTERVENTION	TOTAL
	<b>RFSW</b>
Attended HIV seminar	78.9%
Received FREE condoms	69.1%
Approached to talk about Injecting Drug Use	58.8%
Accessed SHC STI services	100%

ATTITUDE TO HIV INTERVENTION	TOTAL
	<b>RFSW</b>
Feels at risk for HIV	91.6%
Know that SHC provides HIV testing	75.3%
Ever tested for HIV	65.1%
Recently tested for HIV	56.6%
Ever tested and got HIV results	51.2%

**PREVALENCE**

Serologic Data	RFSW
HIV Prevalence	0%
Syphilis Prevalence	0.63%





## MAKATI CITY

# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	25,805	
Freelance (FFSW)	101	351
Clients of Female Sex Workers	2,806	7,384
Males who have Sex with Males (MSM)	2,510	4,430
Injecting Drug Users (IDU)	58	117

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	297	187	140
Age Range (median)	18-40 (23)	16-47 (21)	16-56 (24)
15-17 years old	No 15-17 RFSW in the sample	3.2%	2.1%
18 older	100%	96.8%	97.9%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	79.1%	82.9%	87.7%
Married	14.9%	12.8%	8.7%
Separated/Widow	6.1%	4.3%	3.6%

NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	37.3%	41.8%	49.3%

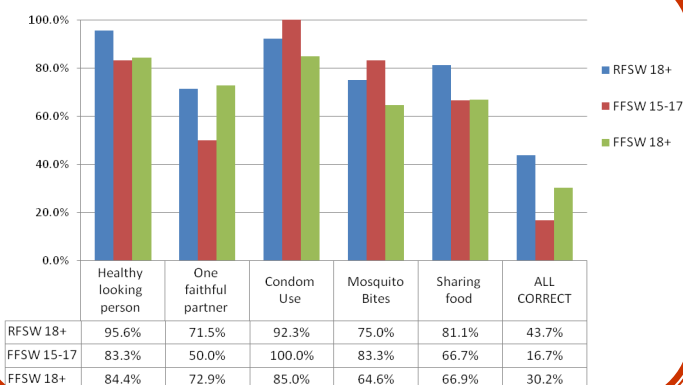
EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	1.0%	0.5%	0%
Elementary	5.1%	13.4%	0.7%
High School	65.4%	67.2%	40.7%
College	28.5%	18.8%	58.6%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	-	33.3%	0%
18 years and older	23.8%	37.1%	11.1%
Total Sample	23.8%	37.0%	10.9%

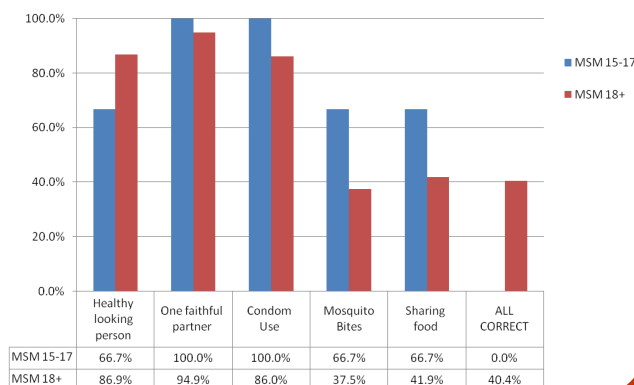
RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	61.6%	55.1%	17.9%

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES





**RISK BEHAVIORS**

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	11-30 (18)	12-26 (18)	6-27 (16)	14-17(16)	12-26 (18)	14-17 (14)	6-27 (16)
Age MARP was first paid for sex (median)	15-36 (21)	15-35 (20)	12-28 (18)	15-17 (16)	11-35 (20)	14-17 (14)	12-28 (19)
Age males had first sex with other males (median)			6-27 (17)			14-17 (14)	6-27 (17)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	89.8%	79.5%	45.8%	83.3%	79.3%	100%	43.5%
Condom use last anal sex			32.9%			100%	32.1%
Anal receiver			35.8%			0%	36.6%
Anal inserter			42.5%			33.3%	42.7%
Both inserter and receiver			12.1%			0%	12.4%
Participated in an orgy			15.7%			0%	16.1%
% of MARP who are clients of sex workers past year	2.0%	1.1%	90.0%	16.7%	0.6%	No 15-17 MSM who are clients	90.0%
% of MARPS who sold sex past year			44.3%			66.7%	43.8%
% who used drugs in the past 12 months	18.2%	14.4%	19.6%	16.7%	14.4%	0%	20.0%
% who ever injected drugs among those who used drugs	0%	0%	0%	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-30 (4)	1-29 (5)	1-15 (2)	1-12 (6)	1-29 (5)	2	1-15 (2)
Number of non-paying partners past month (mean)	1-8 (1)	1-2 (1)	1-5 (1)	1	1-2 (1)	1	1-5 (2)

**INTERVENTION**

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	91.2%	37.4%	13.0%	16.7%	38.1%	0%	13.2%
Received FREE condoms	92.0%	61.0%	47.5%	33.3%	61.9%	33.3%	47.8%
Approached to talk about Injecting Drug Use	44.3%	25.7%	21.4%	0%	26.5%	0%	21.9%
Accessed SHC STI services	96.3%	32.1%	2.9%	16.7%	32.6%	0%	2.9%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	50.2%	66.8%	69.1%	66.7%	66.9%	66.7%	69.1%
Know that SHC provides HIV testing	79.8%	39.0%	26.4%	33.3%	39.2%	0%	27.0%
Ever tested for HIV	12.5%	14.4%	4.3%	0%	14.9%	0%	4.4%
Recently tested for HIV (2009)	5.4%	4.3%	1.4%	0%	4.4%	0%	1.4%
Ever tested for HIV and got results	10.1%	10.7%	3.6%	0%	11.5%	0%	3.7%

**PREVALENCE**

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0.53%	0.71%
Syphilis Prevalence	0.34%	0.53%	0.71%





## MANDALUYONG CITY

# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	738	
Freelance (FFSW)	54	148
Clients of Female Sex Workers	1,511	3,977
Males who have Sex with Males (MSM)	1,352	2,386
Injecting Drug Users (IDU)	31	63

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	305	151	154
Age Range (median)	15-49 (25)	16-46 (23)	15-59 (24)
15-17 years old	0.7%	7.9%	7.8%
18 older	99.3%	92.1%	92.2%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	89.2%	81.5%	92.8%
Married	9.8%	12.6%	7.2%
Separated/Widow	1.0%	6.0%	0%

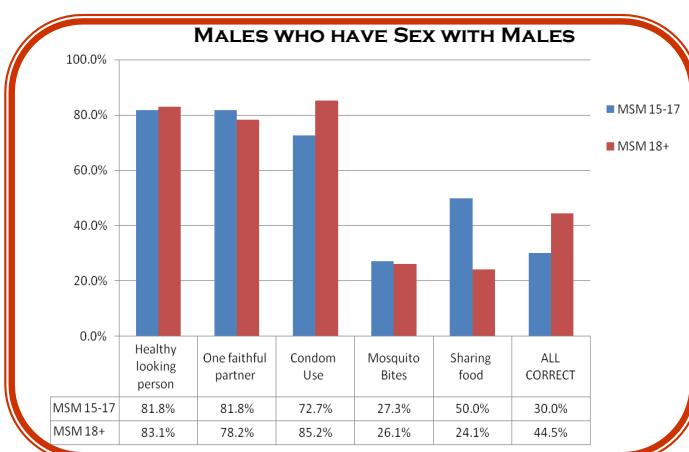
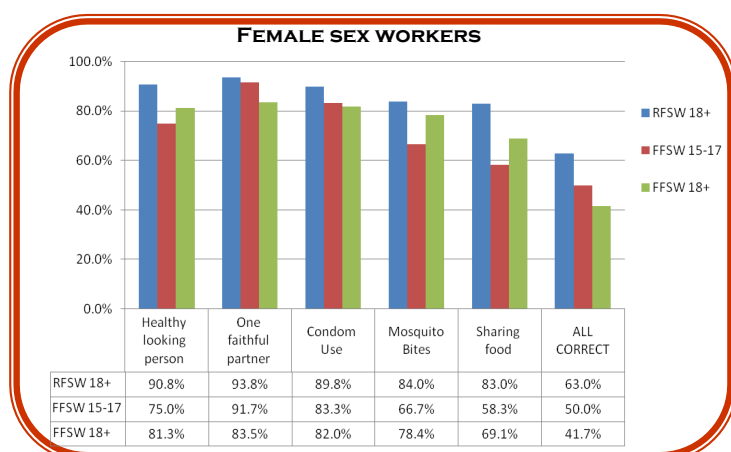
NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	34.4%	41.7%	22.7%

EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	0%	0%	0%
Elementary	13.1%	9.3%	5.84%
High School	80.3%	77.5%	61.04%
College	6.6%	13.2%	33.12%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	50.0%	33.3%	16.7%
18 years and older	31.5%	43.9%	27.5%
Total Sample	31.7%	43%	26.7%

RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	60.3%	58.9%	14.3%

## KNOWLEDGE OF HIV



**RISK BEHAVIORS**

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 above
Age of first penetrative sex (median)	12-27 (18)	9-30 (18)	7-27 (15)	15-17 (16)	9-30 (18)	7-16 (13)	7-27 (15)
Age MARP was first paid for sex (median)	14-45 (20)	14-42 (20)	8-44 (18)	15-17 (16)	14-42 (20)	9-15 (15)	8-44 (18)
Age males had first sex with other males (median)			7-28 (16)			7-16 (14)	7-28 (16)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	49.5%	35.1%	31.0%	25.0%	36.0%	50.0%	29.6%
Condom use last anal sex			17.2%			11.1%	17.9%
Anal receiver			64.7%			72.7%	63.9%
Anal inserter			33.9%			33.3%	34.0%
Both inserter and receiver			19.5%			16.7%	19.7%
Participated in an orgy			13.1%			16.7%	12.8%
% of MARP who are clients of sex workers past year	0.3%	18.5%	63.8%	25.0%	18.0%	100%	62.5%
% of MARPS who sold sex past year			31.8%			50.0%	30.0%
% who used drugs in the past 12 months	2.0%	3.3%	31.6%	8.3%	2.9%	20.0%	32.4%
% who ever injected drugs among those who used drugs	0%	0%	7.7%	0%	0%	0%	8.0%
% who ever shared needles/syringes	No FSW-IDU	No FSW-IDU	0%	-	-	-	0%

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-10 (1)	1-20 (2)	1-25 (3)	1-8 (3)	1-20 (2)	2-5 (4)	1-25 (3)
Number of non-paying partners past month (mean)	1-3 (1)	1-6 (1)	1-20 (3)	1-2 (1)	1-6 (1)	1-6 (3)	1-20 (3)

**INTERVENTION**

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	88.9%	28.5%	12.5%	25.0%	28.8%	0%	13.6%
Received FREE condoms	89.8%	45.7%	50.0%	25.0%	47.5%	50.0%	50.0%
Approached to talk about Injecting Drug Use	56.1%	29.8%	19.3%	16.7%	30.9%	25.0%	18.8%
Accessed SHC STI services	98.0%	60.9%	2.0%	33.3%	63.3%	0%	2.1%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	74.4%	51.7%	67.6%	83.3%	48.9%	81.8%	66.4%
Know that SHC provides HIV testing	87.9%	53.6%	56.5%	33.3%	55.4%	25.0%	59.2%
Ever tested for HIV	1.6%	8.6%	2.6%	0%	9.4%	0%	2.8%
Recently tested for HIV (2009)	0.3%	2.7%	0.7%	0%	2.9%	0%	0.7%
Ever tested for HIV and got results	1.6%	4.6%	2.0%	0%	5.0%	0%	2.1%

**PREVALENCE**

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0%	3.25%
Syphilis Prevalence	0.99%	0%	1.30%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## MANILA CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
Based in SHC registered establishments (RFSW)	0	
Freelance (FFSW)	295	2,396
Clients of Female Sex Workers	8,213	21,613
Males who have Sex with Males (MSM)	7,349	12,968
Injecting Drug Users (IDU)	171	341

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS		
	FFSW	MSM
Total Sample	214	300
Age Range (median)	15-54 (24)	16-62 (24)
15-17 years old	6.5%	4.0%
18 older	93.5%	96.0%

EDUCATIONAL ATTAINMENT		
	FFSW	MSM
None	3.3%	0.3%
Elementary	26.1%	2.7%
High School	68.8%	19.1%
College	3.8%	77.9%

CIVIL STATUS		
	FFSW	MSM
Single	80.7%	93.3%
Married	16.0%	3.0%
Separated/Widow	3.3%	3.7%

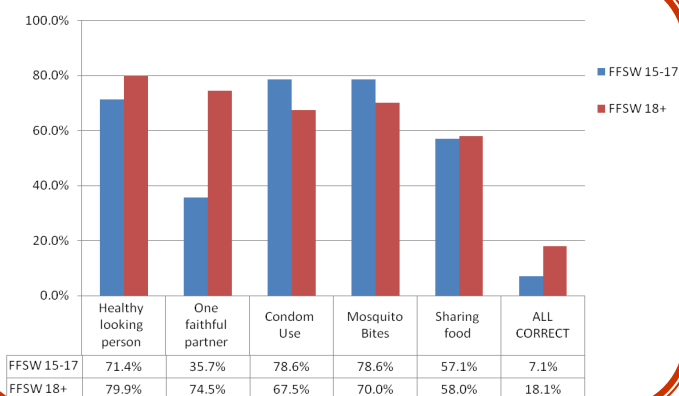
PRESENTLY LIVING WITH A PARTNER		
	FFSW	MSM
15-17 years old	21.4%	16.7%
18 years and older	47.7%	18.1%
Total Sample	46.0%	18.1%

NEW RESIDENT OF THE CITY (1-12months)		
	FFSW	MSM
	18.5%	11.7%

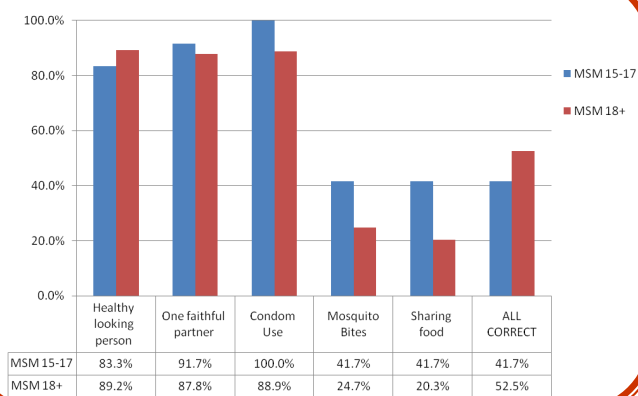
RESPONDENTS WHO HAVE CHILDREN		
	FFSW	MSM
	51.9%	7.9%

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES



## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL		FFSW		MSM	
	FFSW	MSM	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	6-26 (17)	7-23 (17)	12-17 (14)	6-26 (17)	13-17 (15)	7-23 (17)
Age MARP was first paid for sex (median)	13-36 (18)	9-19 (9)	13-17 (15)	13-36 (19)	Data not available	9-19 (9)
Age males had first sex with other males (median)		7-28 (18)			15-17 (15)	7-28 (18)

SEXUAL PRACTICES AND DRUG USE	TOTAL		FFSW		MSM	
	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	76.7%	61.3%	57.1%	78.1%	1 MSW	60.0%
Condom use last anal sex		33.6%			27.3%	33.9%
Anal receiver		63.3%			60.0%	63.5%
Anal inserter		76.5%			81.8%	76.2%
Both inserter and receiver		40.3%			33.3%	40.6%
Participated in an orgy		21.6%			41.7%	20.7%
% of MARP who are clients of sex workers past year	3.3%	45.2%	0%	3.5%	100%	43.3%
% of MARPS who sold sex past year		13.0%			16.7%	12.9%
% who used drugs in the past 12 months	20.9%	26.6%	7.1%	21.2%	0%	27.3%
% who ever injected drugs among those who used drugs	16.3%	4.8%	1 injected	14.3%	No 15-17 MSM who injected drugs	4.8%
% who ever shared needles/syringes	0%	0%	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL		FFSW		MSM	
	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-25 (10)	1-32 (12)	2-20 (11)	1-25 (10)	3-7 (5)	1-32 (12)
Number of non-paying partners past month (mean)	1-10 (1)	1-60 (5)	1-10 (4)	1-2 (1)	1-15 (3)	1-60 (5)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL		FFSW		MSM	
	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	7.6%	6.4%	7.1%	7.6%	0%	6.6%
Received FREE condoms	58.0%	29.1%	50.0%	58.6%	33.3%	28.9%
Approached to talk about Injecting Drug Use	35.7%	41.8%	35.7%	35.7%	16.7%	42.8%
Accessed SHC STI services	13.6%	6.0%	0%	14.5%	0%	6.3%

ATTITUDE TO HIV INTERVENTION	TOTAL		FFSW		MSM	
	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	85.4%	73.3%	100%	84.3%	83.3%	72.9%
Know that SHC provides HIV testing	51.9%	29.3%	78.6%	50.0%	25.0%	29.5%
Ever tested for HIV	5.1%	11.5%	7.1%	5.0%	0%	11.9%
Recently tested for HIV (2009)	1.4%	0%	0%	1.5%	0%	0%
Ever tested for HIV and got results	4.7%	8.7%	7.1%	4.5%	0%	9.0%

## PREVALENCE

Serologic Data	FFSW	MSM
HIV Prevalence	0%	3.68%
Syphilis Prevalence	5.58%	3.01%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## MARIKINA CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	1,184	
Freelance (FFSW)	75	182
Clients of Female Sex Workers	2,100	5,526
Males who have Sex with Males (MSM)	1,879	3,316
Injecting Drug Users (IDU)	44	87

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	43	54	117
Age Range (median)	18-33 (23)	15-76 (25)	15-53 (26)
15-17 years old	No 15-17 RFSW in the sample	22.2%	2.6%
18 older	100%	77.8%	97.4%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	90.7%	47.6%	90.6%
Married	4.7%	23.8%	7.7%
Separated/Widow	4.7%	28.6%	1.71%

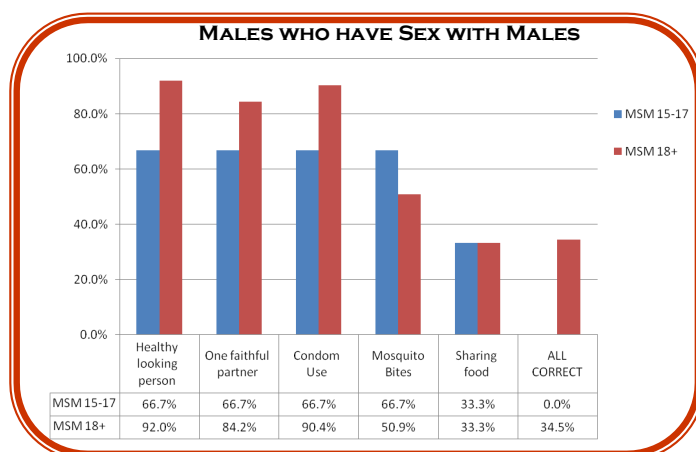
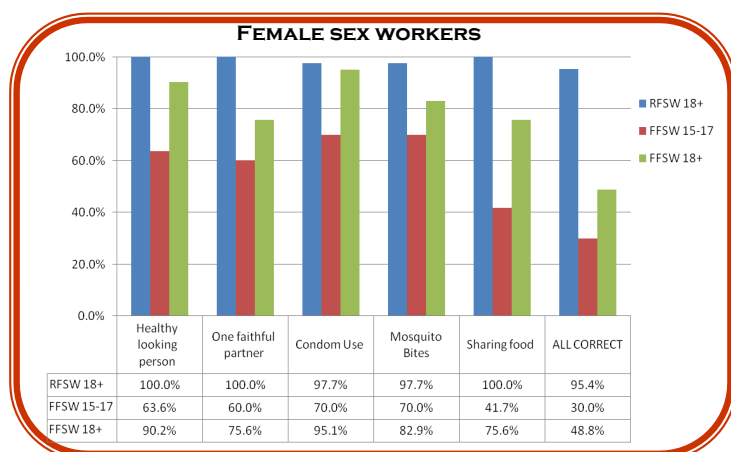
NEW RESIDENT OF THE CITY (1-12months)		
RFSW	FFSW	MSM
27.9%	35.0%	29.9%

EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	2.3%	4.8%	0%
Elementary	7.0%	23.8%	3.5%
High School	72.1%	52.4%	51.3%
College	18.6%	19.0%	45.2%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	-	50.0%	33.3%
18 years and older	53.5%	62.5%	9.7%
Total Sample	53.5%	60.0%	10.4%

RESPONDENTS WHO HAVE CHILDREN		
RFSW	FFSW	MSM
74.4%	83.3%	16.7%

## KNOWLEDGE OF HIV



# MARIKINA CITY

## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 above
Age of first penetrative sex (median)	12-25 (18)	12-31 (16)	7-20 (16)	12-15 (14)	13-31 (16)	14-17 (15)	7-20 (16)
Age MARP was first paid for sex (median)	16-33 (21)	14-44 (20)	14-28 (17)	14-17 (15)	14-44 (21)	15-17 (16)	14-28 (17)
Age males had first sex with other males (median)			9-25 (16)			14-17 (16)	9-25 (16)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	78.1%	77.8%	76.5%	100%	71.4%	1 MSW	75.0%
Condom use last anal sex			71.1%			100%	69.4%
Anal receiver			32.1%			50.0%	31.8%
Anal inserter			27.4%			100%	25.5%
Both inserter and receiver			13.7%			33.3%	13.2%
Participated in an orgy			15.4%			33.3%	14.9%
% of MARP who are clients of sex workers past year	4.7%	1.9%	78.7%	0%	2.4%	No 15-17 MSM who are clients	78.7%
% of MARPS who sold sex past year			44.4%			66.7%	43.9%
% who used drugs in the past 12 months	9.5%	30.0%	21.1%	40.0%	26.7%	No 15-17 MSM who used drugs	21.1%
% who ever injected drugs among those who used drugs	0%	0%	28.6%	0%	0%	No 15-17 MSM who injected drugs	28.6%
% who ever shared needles/syringes	No FSW-IDU	No FSW-IDU	No MSM-IDU	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-18 (4)	1-30 (9)	1-25 (6)	2-21 (9)	1-30 (9)	4-10 (6)	1-25 (6)
Number of non-paying partners past month (mean)	1-20 (2)	1-6 (1)	1-7 (2)	1-2 (1)	1-6 (1)	Data not available	1-7 (2)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	74.4%	55.0%	9.5%	40.0%	60.0%	0%	9.7%
Received FREE condoms	97.6%	88.5%	30.2%	54.6%	97.6%	33.3%	30.1%
Approached to talk about Injecting Drug Use	79.5%	42.1%	12.5%	0%	53.3%	0%	12.8%
Accessed SHC STI services	100%	16.7%	4.3%	8.3%	19.1%	0%	4.4%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	76.7%	45.0%	36.8%	40.0%	46.7%	33.3%	36.8%
Know that SHC provides HIV testing	100%	24.1%	18.0%	8.3%	28.6%	66.7%	16.7%
Ever tested for HIV	14.6%	36.5%	7.9%	0%	47.5%	0%	8.1%
Recently tested for HIV (2009)	2.3%	3.7%	2.6%	0%	4.8%	0%	2.6%
Ever tested for HIV and got results	9.3%	25.9%	2.6%	0%	33.3%	0%	2.6%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0%	0.34%
Syphilis Prevalence	1.50%	1.82%	2.75%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## PASAY CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	902	
Freelance (FFSW)	72	2,389
Clients of Female Sex Workers	1,993	5,246
Males who have Sex with Males (MSM)	1,784	3,147
Injecting Drug Users (IDU)	41	83

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	300	188	200
Age Range (median)	18-48 (22)	15-45 (28)	16-64 (24)
15-17 years old	No 15-17 RFSW in the sample	2.7%	5.0%
18 older	100%	97.3%	95.0%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	76.3%	74.5%	90.5%
Married	16.7%	14.9%	7.0%
Separated/Widow	7.0%	10.6%	2.5%

NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	29.4%	30.6%	13.0%

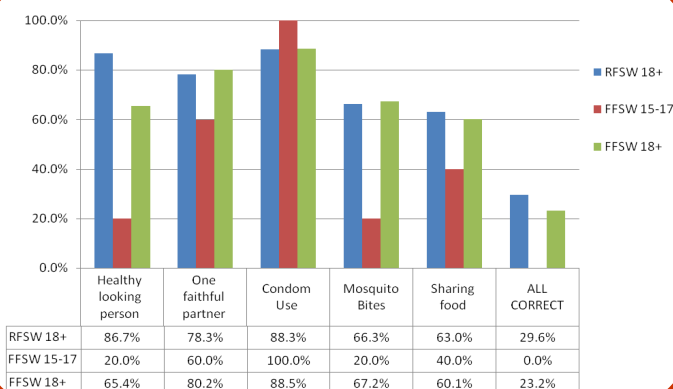
EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	0%	0.5%	0%
Elementary	6.0%	26.9%	4.0%
High School	72.7%	63.4%	46.5%
College	21.3%	9.1%	49.5%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	-	0%	0%
18 years and older	32.0%	28.3%	18.8%
Total	32.0%	27.5%	17.9%

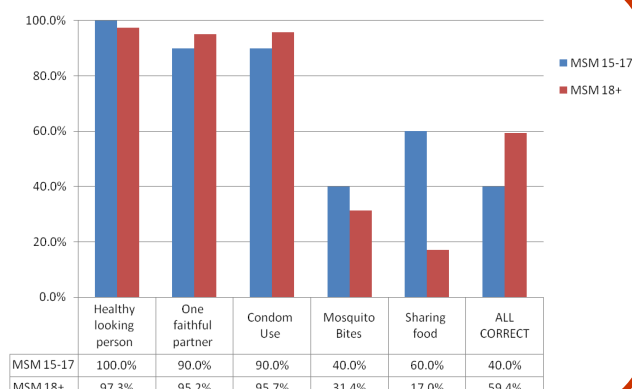
RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	47.3%	53.2%	15.4%

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES





## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 above
Age of first penetrative sex (median)	5-25 (18)	11-28 (17)	5-35 (15)	14-17 (16)	11-28 (17)	9-17 (14)	5-35 (16)
Age MARP was first paid for sex (median)	12-39 (19)	13-41 (20)	11-35 (19)	15-17 (17)	13-41 (20)	11-17 (16)	11-35 (19)
Age males had first sex with other males (median)			5-35 (17)			11-17 (15)	5-35 (17)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	96.3%	92.6%	56.0%	80.0%	92.9%	50.0%	56.3%
Condom use last anal sex			31.2%			0%	32.5%
Anal receiver			39.5%			30.0%	40.0%
Anal inserter			30.4%			30.0%	30.4%
Both inserter and receiver			3.5%			10.0%	3.2%
Participated in an orgy			9.1%			10.0%	9.0%
% of MARP who are clients of sex workers past year	1.0%	6.4%	66.0%	0%	6.6%	No 15-17 MSM who are clients	66.0%
% of MARPS who sold sex past year			44.0%			30.0%	44.7%
% who used drugs in the past 12 months	12.3%	19.3%	10.4%	0%	19.8%	37.5%	8.2%
% who ever injected drugs among those who used drugs	5.4%	0%	7.1%	0%	0%	0%	9.1%
% who ever shared needles/syringes	1 shared/2 IDU	No FSW-IDU	No MSM-IDU	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-30 (6)	1-185 (12)	1-10 (4)	3-11 (8)	1-185 (12)	1	1-10 (4)
Number of non-paying partners past month (mean)	1-11 (1)	1-20 (3)	1-7 (1)	1	1-20 (3)	1-2 (1)	1-7 (1)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	45.7%	16.6%	27.6%	0%	17.0%	30.0%	27.4%
Received FREE condoms	61.5%	67.0%	25.9%	20.0%	68.3%	40.0%	25.1%
Approached to talk about Injecting Drug Use	28.2%	32.8%	9.6%	20.0%	33.2%	10.0%	9.6%
Accessed SHC STI services	80.7%	36.2%	3.5%	20.0%	36.6%	0%	3.7%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	65.6%	46.0%	40.4%	20.0%	46.7%	70.0%	38.8%
Know that SHC provides HIV testing	50.0%	25.5%	32.5%	20.0%	25.7%	10.0%	33.7%
Ever tested for HIV	15.7%	14.0%	7.6%	0%	14.4%	0%	8.0%
Recently tested for HIV (2009)	3.0%	0.5%	2.5%	0%	0.6%	0%	2.6%
Ever tested for HIV and got results	8.7%	9.0%	6.5%	0%	9.3%	0%	6.8%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	1.00%	0.53%	1.49%
Syphilis Prevalence	0.67%	2.66%	3.96%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## PASIG CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	514	
Freelance (FFSW)	111	371
Clients of Female Sex Workers	3,103	8,166
Males who have Sex with Males (MSM)	2,776	4,900
Injecting Drug Users (IDU)	65	129

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	85	64	100
Age Range (median)	18-34 (24)	15-43 (25)	15-48 (25)
15-17 years old	N 15-17 RFSW in the sample	3.1%	11.0%
18 older	100%	96.9%	89.0%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	85.9%	78.1%	91%
Married	11.8%	14.1%	8.0%
Separated/Widow	2.4%	7.8%	1.0%

NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	45.2%	23.8%	21.0%

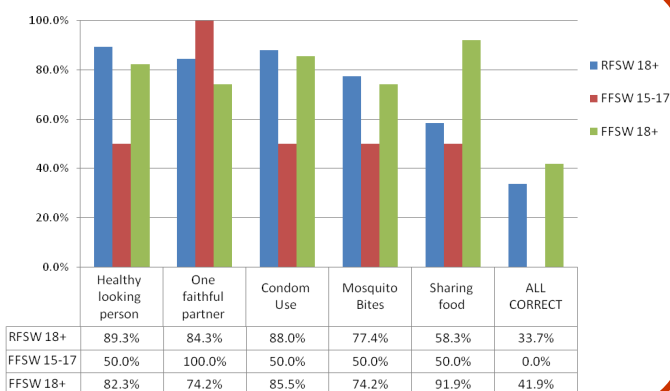
EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	0%	1.6%	1.0%
Elementary	9.4%	12.9%	1.0%
High School	77.6%	74.2%	43.8%
College	12.9%	11.3%	54.2%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	-	50%	18.2%
18 years and older	43.9%	35.6%	10.1%
Total Sample	43.9%	36.1%	11.0%

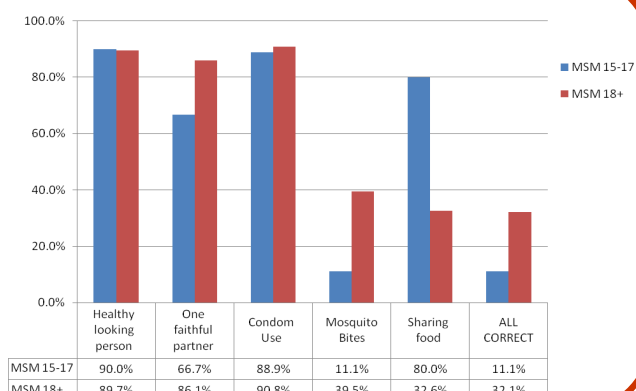
RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	50.6%	75.0%	8.2%

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES



## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	14-23 (17)	12-25 (17)	6-48 (15)	13-14 (14)	12-25 (17)	9-16 (14)	6-48 (15)
Age MARP was first paid for sex (median)	15-32 (20)	14-39 (19)	9-25 (18)	14	14-39 (19)	15-16 (16)	9-25 (18)
Age males had first sex with other males (median)			6-48 (15)			9-16 (14)	6-48 (15)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	21.7%	14.3%	27.3%	0%	14.5%	Data not available	27.3%
Condom use last anal sex			26.4%			0%	29.2%
Anal receiver			79.6%			88.9%	78.5%
Anal inserter			34.5%			0%	37.7%
Both inserter and receiver			15.0%			0%	16.9%
Participated in an orgy			20.4%			0%	22.7%
% of MARP who are clients of sex workers past year	0%	21.9%	79.0%	50.0%	21.0%	100%	78.3%
% of MARPS who sold sex past year			22.0%			9.1%	23.6%
% who used drugs in the past 12 months	11.3 %	10.9%	17.1%	0%	11.3%	33.3%	15.8%
% who ever injected drugs among those who used drugs	0%	0%	14.3%	0%	0%	0%	14.3%
% who ever shared needles/syringes	No FSW-IDU	No FSW-IDU	1 shared/ 1 IDU	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-50 (6)	1-30 (5)	1-31 (8)	3-6 (5)	1-30 (5)	Data not available	1-31 (8)
Number of non-paying partners past month (mean)	1-6 (1)	1-5 (1)	1-50 (4)	2	1-5 (1)	1-20 (5)	1-50 (4)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	81.9%	31.3%	12%	0%	32.3%	11.1%	12.1%
Received FREE condoms	67.5%	32.8%	54.7%	0%	33.9%	30.0%	57.7%
Approached to talk about Injecting Drug Use	4.9%	11.5%	26.3%	0%	11.9%	30.0%	25.9%
Accessed SHC STI services	97.7%	40.6%	4.0%	0%	41.9%	0%	4.5%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	81.0%	25.0%	56.3%	50.0%	24.2%	80.0%	53.5%
Know that SHC provides HIV testing	89.4%	79.7%	43.0%	50.0%	80.7%	27.3%	44.9%
Ever tested for HIV	12.9%	10.9%	7.4%	0%	11.3%	0%	8.2%
Recently tested for HIV (2009)	3.5%	1.6%	3.0%	0%	1.6%	0%	3.4%
Ever tested for HIV and got results	11.8%	7.8%	6.0%	0%	8.1%	0%	6.7%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0%	0%
Syphilis Prevalence	1.18%	3.13%	8.25%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## PUERTO GALERA

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	250	
Freelance (FFSW)	5	398
Clients of Female Sex Workers	139	365
Males who have Sex with Males (MSM)	124	219
Injecting Drug Users (IDU)	3	6

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	118	155	165
Age Range (median)	17-42 (21)	18-37 (23)	18-58 (27)
15-17 years old	1.7%	No 15-17 FFSW in the sample	No 15-17 MSM in the sample
18 older	98.3%	100%	100%

EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	1.7%	0%	0%
Elementary	8.5%	14.0%	5.0 %
High School	75.2%	69.3%	67.0%
College	14.5%	16.7%	28.0%

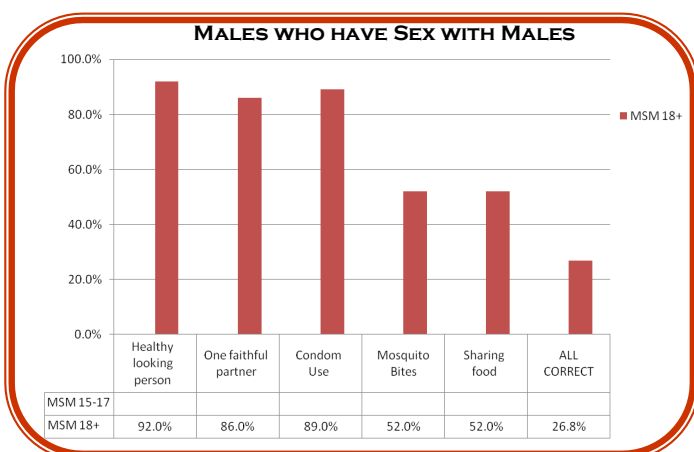
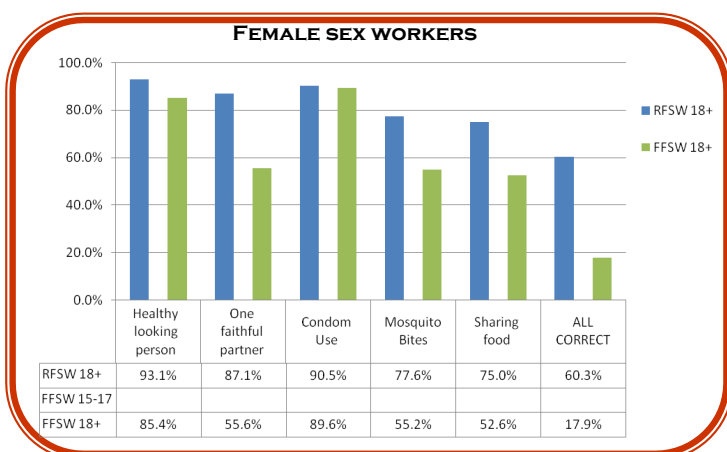
CIVIL STATUS			
	RFSW	FFSW	MSM
Single	94%	81.9%	86.4%
Married	2.6%	3.4%	11.7%
Separated/Widow	3.4%	14.7%	1.9%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	0%	-	-
18 years and older	12.3%	18.4%	30.4%
Total Sample	12.1%	18.4%	30.4%

NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	79.1%	69.3%	37.0%

RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	40.7%	63.9%	17.7%

## KNOWLEDGE OF HIV



**RISK BEHAVIORS**

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 above
Age of first penetrative sex (median)	14-23 (18)	14-25 (18)	12-28 (18)	-	14-25 (18)	-	12-28 (18)
Age MARP was first paid for sex (median)	16-32 (19)	17-31 (20)	14-48 (20)	-	17-31 (20)	-	14-48 (20)
Age males had first sex with other males (median)			12-30 (18)			-	12-30 (18)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	89.3%	81.1%	34.4%	-	81.1%	-	34.4%
Condom use last anal sex			44.8%			-	44.8%
Anal receiver			90.6%			-	90.6%
Anal inserter			50.7%			-	50.7%
Both inserter and receiver			7.3%			-	7.3%
Participated in an orgy			9.1%			-	9.1%
% of MARP who are clients of sex workers past year	5.1%	1.9%	53.3%	-	1.9%	-	53.3%
% of MARPS who sold sex past year			46.1%			-	46.1%
% who used drugs in the past 12 months	7.8%	11.4%	36.5%	-	11.4	-	36.5%
% who ever injected drugs among those who used drugs	12.5%	0%	8.7%	-	0%	-	8.7%
%who ever shared needles or syringe	1 shared/ 1 IDU	No FSW-IDU	0%	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-35 (6)	1-20 (6)	1-5 (2)	-	1-20 (6)	-	1-5 (2)
Number of non-paying partners past month (mean)	1-2 (1)	1-3 (1)	1-30 (2)	-	1-3 (1)	-	1-30 (2)

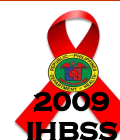
**INTERVENTION**

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	50.0%	7.0%	32.7%	-	7.0%	-	32.7%
Received FREE condoms	93.9%	72.7%	45.1%	-	72.7%	-	45.1%
Approached to talk about Injecting Drug Use	69.6%	53.0%	63.3%	-	53.0%	-	63.3%
Accessed SHC STI services	97.5%	5.8%	0.6%	-	5.8%	-	0.6%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	74.1%	85.2%	67.3%	-	85.2%	-	67.3%
Know that SHC provides HIV testing	62.7%	1.3%	58.8%	-	1.3%	-	58.8%
Ever tested for HIV	32.5%	3.3%	4.4%	-	3.3%	-	4.4%
Recently tested for HIV (2009)	22.0%	0%	0.6%	-	0%	-	0.6%
Ever tested for HIV and got results	15.3%	2.6%	3.0%	-	2.6%	-	3.0%

**PREVALENCE**

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0%	0%
Syphilis Prevalence	0.40%	0%	1.14%





## PUERTO PRINCESA CITY

# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	650	
Freelance (FFSW)	37	1,080
Clients of Female Sex Workers	1,041	2,740
Males who have Sex with Males (MSM)	931	1,644
Injecting Drug Users (IDU)	22	43

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	300	186	300
Age Range (median)	17-36 (22)	15-46 (21)	15-48 (20)
15-17 years old	2.3%	13.4%	26.0%
18 older	97.7%	86.6%	74.0%

EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	0%	0.5%	0.3%
Elementary	7.1%	4.9%	9.0%
High School	71.7%	70.3%	46.3%
College	21.2%	24.3%	44.3%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	85.7%	75.1%	98.0%
Married	7.7%	9.7%	1.7%
Separated/Widow	6.7%	15.1%	0.3%

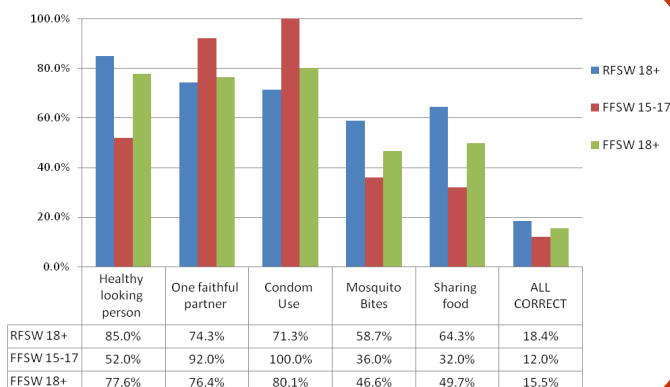
PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	28.6%	8.0%	0%
18 years and older	17.1%	20.1%	7.7%
Total	17.3%	18.5%	5.7%

NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	74.2%	43.8%	13.3%

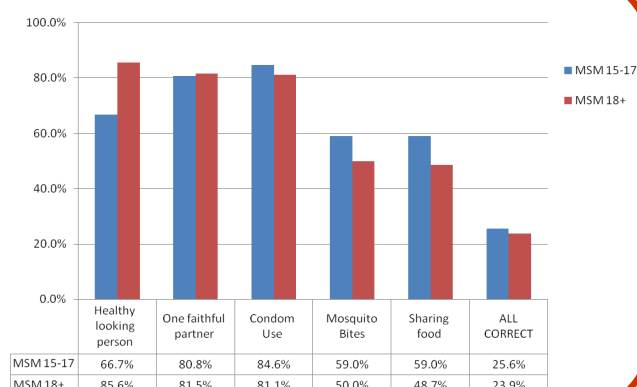
RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	46.0%	42.5%	3.7%

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES



**RISK BEHAVIORS**

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	13-26 (18)	11-28 (17)	7-28 (15)	12-17 (15)	11-28 (17)	7-17 (14)	10-28 (16)
Age MARP was first paid for sex (median)	13-33 (21)	12-40 (19)	12-28 (17)	13-17 (16)	12-40 (20)	13-17 (15)	12-28 (17)
Age males had first sex with other males (median)			7-28 (16)			7-17 (15)	10-28 (16)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	64.7%	25.0%	8.2%	20.0%	25.8%	4.0%	10.0%
Condom use last anal sex			11.4%			14.5%	10.3%
Anal receiver			41.7%			34.6%	44.1%
Anal inserter			54.2%			59.0%	52.5%
Both inserter and receiver			5.3%			3.9%	5.9%
Participated in an orgy			11.0%			3.9%	13.5%
% of MARP who are clients of sex workers past year	2.3%	9.7%	82.1%	0%	11.2%	80.0%	82.4%
% of MARPS who sold sex past year			34.3%			38.5%	32.9%
% who used drugs in the past 12 months	5.3%	6.0%	4.8%	8.0%	5.6%	3.9%	5.1%
% who ever injected drugs among those who used drugs	0%	0%	0%	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-30 (4)	1-60 (4)	1-14 (2)	1-10 (3)	1-60 (4)	1-14 (3)	1-6 (2)
Number of non-paying partners past month (mean)	1-21 (2)	1-10 (1)	1-13 (2)	1-3 (1)	1-10 (1)	1-7 (2)	1-13 (2)

**INTERVENTION**

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	38.5%	20.0%	18.3%	16.0%	20.6%	14.1%	19.8%
Received FREE condoms	61.5%	15.6%	36.7%	4.0%	17.5%	37.2%	36.5%
Approached to talk about Injecting Drug Use	11.8%	10.7%	26.2%	12.0%	10.5%	29.3%	25.1%
Accessed SHC STI services	99.3%	32.3%	1.7%	8.0%	36.0%	0%	2.3%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	56.3%	41.1%	74.0%	32.0%	42.5%	75.6%	73.4%
Know that SHC provides HIV testing	93.3%	65.6%	42.7%	60.0%	66.5%	43.6%	42.3%
Ever tested for HIV	14.1%	6.5%	2.3%	0%	7.5%	0%	3.2%
Recently tested for HIV (2009)	8.7%	3.2%	1.0%	0%	3.7%	0%	1.4%
Ever tested for HIV and got results	10.0%	4.3%	1.7%	0%	5.0%	0%	2.3%

**PREVALENCE**

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0%	0.33%
Syphilis Prevalence	0%	1.11%	1.33%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## QUEZON CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	13,104	
Freelance (FFSW)	476	539
Clients of Female Sex Workers	13,251	34,872
Males who have Sex with Males (MSM)	11,856	20,923
Injecting Drug Users (IDU)	275	551

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	294	184	274
Age Range (median)	15-39 (23)	15-43 (23)	15-52 (23)
15-17 years old	0.7%	4.3	1.8%
18 older	99.3%	95.7%	98.2%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	89.1%	76.1%	76.6%
Married	6.8%	19.0%	21.5%
Separated/Widow	4.1%	4.9%	1.8%

NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	39.2%	25.0%	38.7%

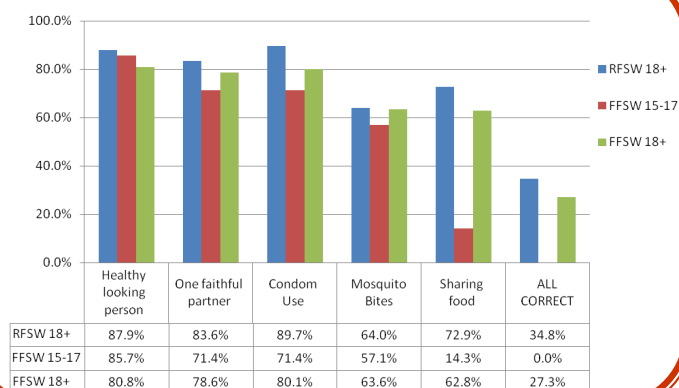
EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	0%	0.5%	0%
Elementary	6.1%	14.7%	3.3%
High School	57.5%	66.8%	61.3%
College	36.4%	17.9%	35.4%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	0%	50.0%	40.0%
18 years and older	30.6%	50.0%	39.9%
Total Sample	30.4%	50.0%	39.9%

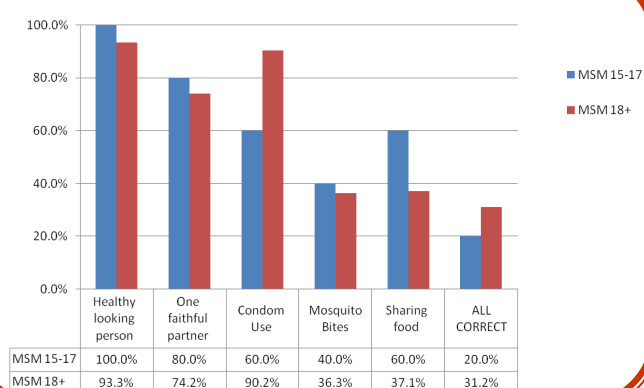
RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	51.7%	72.8%	41.8%

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES





# QUEZON CITY

## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	12-24 (18)	11-26 (17)	6-23 (16)	13-16 (15)	11-26 (17)	6-15 (14)	6-23 (16)
Age MARP was first paid for sex (median)	14-37 (21)	13-39 (19)	10-30 (19)	15-17 (16)	13-39 (20)	15-16 (16)	10-30 (19)
Age males had first sex with other males (median)			6-28 (18)			6-15 (14)	6-28 (18)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	92.4%	79.2%	79.6%	100%	78.3%	50.0%	80.2%
Condom use last anal sex			70.7%			20.0%	72.4%
Anal receiver			14.3%			60.0%	13.5%
Anal inserter			49.6%			60.0%	49.4%
Both inserter and receiver			6.9%			20.0%	6.7%
Participated in an orgy			27.9%			20.0%	28.1%
% of MARP who are clients of sex workers past year	2.0%	3.3%	50.0%	12.5%	2.8%	No 15-17 MSM who are clients	50.0%
% of MARPS who sold sex past year			79.9%			40.0%	80.7%
% who used drugs in the past 12 months	7.8%	19.6%	45.1%	12.5%	19.9%	50.0%	44.9%
% who ever injected drugs among those who used drugs	0%	2.8%	1.3%	0%	2.9%	0%	1.4%
% who ever shared needles/syringes	No FSW-IDU	0%	0%	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-170 (19)	1-51 (9)	1-25 (7)	2-15 (8)	1-51 (9)	5-6 (6)	1-25 (7)
Number of non-paying partners past month (mean)	1-6 (1)	1-31 (4)	1-22 (3)	1-11 (4)	1-31 (4)	5	1-22 (3)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	61.4%	43.4%	62.2%	25.0%	44.3%	0%	63.4%
Received FREE condoms	84.9%	66.5%	73.9%	87.5%	65.5%	80.0%	73.8%
Approached to talk about Injecting Drug Use	37.6%	20.9%	39.1%	0%	21.8%	0%	39.9%
Accessed SHC STI services	91.8%	41.3%	29.6%	37.5%	41.5%	0%	30.1%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	48.6%	67.6%	67.7%	62.5%	67.8%	60.0%	67.8%
Know that SHC provides HIV testing	58.5%	36.4%	53.9%	12.5%	37.5%	0%	53.9%
Ever tested for HIV	42.5%	24.6%	34.2%	12.5%	25.1%	0%	34.8%
Recently tested for HIV (2009)	23.1%	9.2%	22.6%	0%	9.7%	0%	23.1%
Ever tested for HIV and got results	35.4%	17.4%	26.3%	12.5%	17.6%	0%	26.8%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0.34%	0%	1.44%
Syphilis Prevalence	0%	3.33%	1.44%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## SANTIAGO CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	1,060	
Freelance (FFSW)	22	408
Clients of Female Sex Workers	624	1,643
Males who have Sex with Males (MSM)	559	986
Injecting Drug Users (IDU)	13	26

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	206	90	171
Age Range (median)	16-39 (21)	16-44 (22)	15-53 (22)
15-17 years old	1.9%	4.4%	19.9%
18 older	98.1%	95.6%	80.1%

EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	1.5%	1.1%	0%
Elementary	27.8%	47.2%	4.19%
High School	61.5%	51.7%	45.51%
College	9.3%	0%	50.3%

CIVIL STATUS			
	RFSW	FFSW	MSM
Single	85.9%	54.4%	93.0%
Married	3.9%	6.7%	7.0%
Separated/Widow	10.2%	38.9%	0%

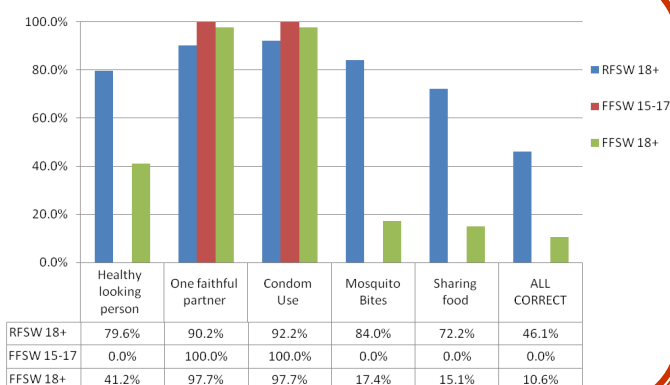
PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	50.0%	0%	17.7%
18 years and older	25.0%	18.1%	22.4%
Total	25.5%	17.2%	21.4%

NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	82.9%	59.6%	21.1%

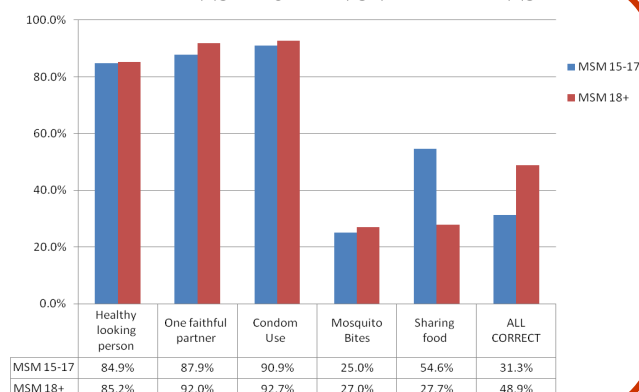
RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	40.8%	54.4%	9.0%

## KNOWLEDGE OF HIV

### FEMALE SEX WORKERS



### MALES WHO HAVE SEX WITH MALES



## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 above
Age of first penetrative sex (median)	13-27 (17)	13-21 (18)	6-42 (16)	15-17 (16)	13-21 (18)	10-16 (14)	6-42 (16)
Age MARP was first paid for sex (median)	14-30 (19)	13-43 (20)	10-31 (18)	16-17 (17)	13-43 (20)	10-17 (15)	14-31 (18)
Age males had first sex with other males (median)			6-42 (16)			10-17 (15)	6-42 (17)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	39.9%	34.8%	17.1%	0%	36.5%	0%	21.4%
Condom use last anal sex			17.3%			6.3%	19.2%
Anal receiver			72.5%			50.0%	77.6%
Anal inserter			43.2%			36.4%	44.8%
Both inserter and receiver			19.9%			8.8%	22.6%
Participated in an orgy			12.4%			9.1%	13.1%
% of MARP who are clients of sex workers past year	2.9%	0%	62.4%	0%	0%	33.3%	63.4%
% of MARPS who sold sex past year			37.4%			61.8%	31.4%
% who used drugs in the past 12 months	10.2%	2.2%	27.5%	25.0%	1.2%	22.2%	28.2%
% who ever injected drugs among those who used drugs	0%	0%	0%	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-33 (5)	1-10 (4)	1-40 (3)	2-5 (3)	1-10 (4)	1-15 (3)	1-40 (1)
Number of non-paying partners past month (mean)	1-11 (2)	1-3 (1)	1-42 (3)	No 15-17 FFSW with non-paying partner	1-3 (1)	1-5 (2)	1-42 (3)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	51.9%	7.9%	21.8%	0%	8.2%	9.1%	24.8%
Received FREE condoms	70.8%	11.2%	39.1%	0%	11.8%	9.1%	46.3%
Approached to talk about Injecting Drug Use	33.5%	14.8%	25.0%	0%	15.5%	21.2%	25.9%
Accessed SHC STI services	96.6%	3.3%	5.3%	0%	3.5%	0%	6.6%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	84.5%	93.3%	72.4%	66.7%	94.2%	69.7%	73.0%
Know that SHC provides HIV testing	82.0%	12.2%	29.2%	0%	12.8%	20.6%	31.4%
Ever tested for HIV	53.4%	2.3%	7.7%	0%	2.3%	0%	9.5%
Recently tested for HIV (2009)	46.6%	0%	4.1%	0%	0%	0%	5.1%
Ever tested for HIV and got results	40.3%	2.2%	6.4%	0%	2.3%	0%	8.0%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0%	0%
Syphilis Prevalence	0%	0%	0.58%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## SURIGAO CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	361	
Freelance (FFSW)	23	752
Clients of Female Sex Workers	654	1,720
Males who have Sex with Males (MSM)	585	1,032
Injecting Drug Users (IDU)	14	27

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	72	44	114
Age Range (median)	17-41 (21)	16-41 (19)	15-57 (19)
15-17 years old	5.6%	27.3%	25.4%
18 older	94.4%	72.7%	74.6%

EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	1.4%	0%	0%
Elementary	19.4%	22.7%	5.3%
High School	73.6%	56.8%	50.0%
College	5.6%	20.5%	44.7%

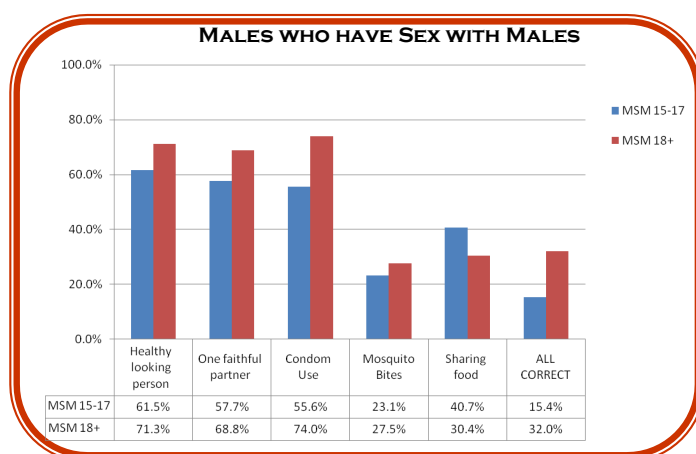
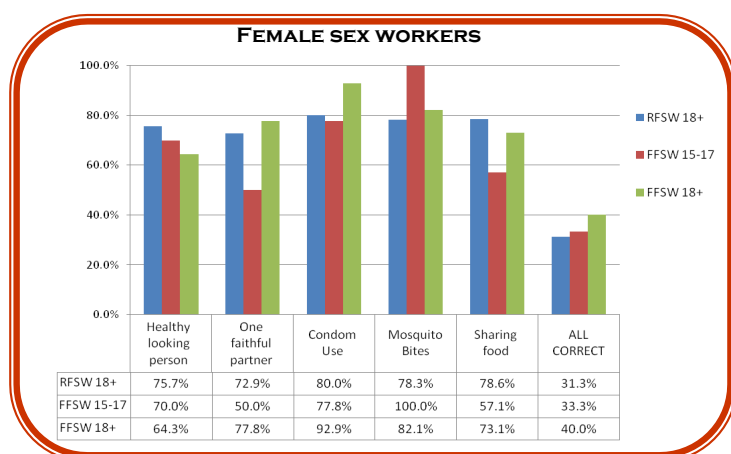
CIVIL STATUS			
	RFSW	FFSW	MSM
Single	93.1%	90.9%	99.1%
Married	4.2%	4.5%	0%
Separated/Widow	2.8%	4.5%	0.9%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	66.7%	42.9%	3.6%
18 years and older	49.2%	34.5%	8.2%
Total	50.0%	36.1%	6.9%

NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	50.7%	25.6%	21.9%

RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	44.4%	52.3%	4.7%

## KNOWLEDGE OF HIV



## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	10-25 (17)	12-22 (16)	6-21 (15)	14-17 (16)	12-22 (17)	6-16 (14)	8-21 (15)
Age MARP was first paid for sex (median)	10-37 (18)	13-28 (19)	6-28 (16)	15-17 (16)	13-28 (19)	6-17 (15)	10-28 (16)
Age males had first sex with other males (median)			6-21 (15)			6-16 (14)	8-21 (16)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	56.9%	29.3%	35.3%	41.7%	24.1%	33.3%	36.0%
Condom use last anal sex			33.7%			25.0%	36.4%
Anal receiver			93.8%			92.3%	94.3%
Anal inserter			90.2%			69.2%	97.4%
Both inserter and receiver			10.5%			6.9%	11.8%
Participated in an orgy			12.4%			6.9%	14.3%
% of MARP who are clients of sex workers past year	4.2%	6.8%	38.0%	0%	9.4%	22.2%	41.5%
% of MARPS who sold sex past year			49.1%			58.6%	45.9%
% who used drugs in the past 12 months	18.1%	34.9%	36.9%	41.7%	32.3%	33.3%	38.0%
% who ever injected drugs among those who used drugs	7.7%	0%	3.7%	0%	0%	0%	14.3%
% who ever shared needles/syringes	0%	No FSW-IDU	0%	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-30 (5)	1-40 (8)	1-12 (4)	1-40 (12)	1-30 (6)	1-10 (4)	1-12 (4)
Number of non-paying partners past month (mean)	1-3 (1)	1-3 (2)	1-15 (3)	3	1-3 (2)	1-10 (4)	1-15 (3)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	50.7%	13.5%	29.0%	10.0%	14.8%	21.4%	31.7%
Received FREE condoms	80.9%	77.1%	50.9%	66.7%	80.8%	37.9%	55.8%
Approached to talk about Injecting Drug Use	42.6%	53.3%	39.0%	44.4%	57.1%	33.3%	41.1%
Accessed SHC STI services	97.2%	45.5%	4.4%	41.7%	46.9%	3.5%	4.7%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	67.6%	82.4%	52.8%	62.5%	88.5%	51.9%	53.2%
Know that SHC provides HIV testing	83.3%	52.3%	56.1%	50.0%	53.1%	48.3%	58.8%
Ever tested for HIV	11.6%	4.9%	2.9%	0%	6.9%	0%	3.8%
Recently tested for HIV (2009)	0%	0%	1.8%	0%	0%	0%	2.4%
Ever tested for HIV and got results	9.7%	4.6%	0.9%	0%	6.3%	0%	1.2%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0%	0%
Syphilis Prevalence	0%	0%	0%





# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## TUGUEGARAO CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	778	
Freelance (FFSW)	23	261
Clients of Female Sex Workers	641	1686
Males who have Sex with Males (MSM)	573	1,012
Injecting Drug Users (IDU)	13	27

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS			
	RFSW	FFSW	MSM
Total Sample	99	80	76
Age Range (median)	17-32 (22)	16-51 (23)	15-52 (25)
15-17 years old	1.0%	5.0%	15.8%
18 older	99.0%	95.0%	84.2%

EDUCATIONAL ATTAINMENT			
	RFSW	FFSW	MSM
None	0%	0%	0%
Elementary	3.0%	4.6%	5.3%
High School	74.7%	58.5%	28.0%
College	22.2%	36.9%	66.7%

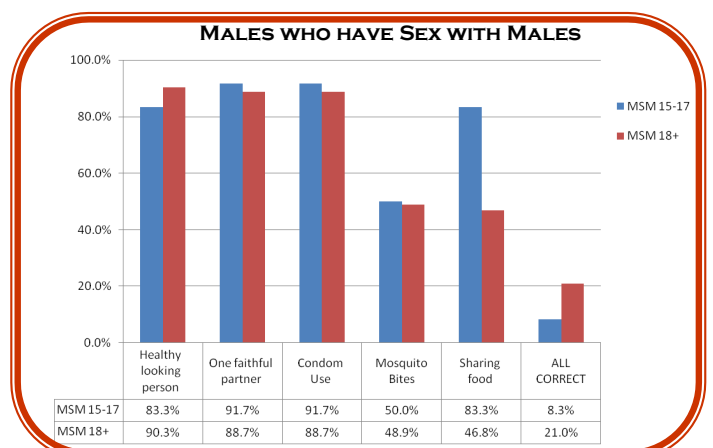
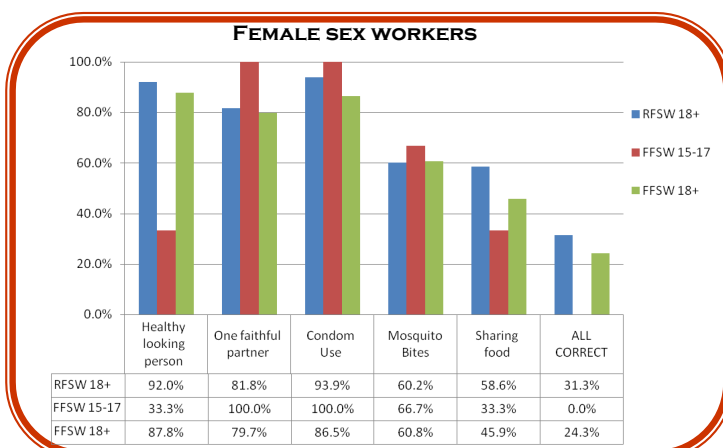
CIVIL STATUS			
	RFSW	FFSW	MSM
Single	79.8%	75.4%	97.3%
Married	6.1%	4.6%	2.7%
Separated/Widow	14.1%	20.0%	0%

PRESENTLY LIVING WITH A PARTNER			
	RFSW	FFSW	MSM
15-17 years old	0%	33.3%	0%
18 years and older	16.5%	17.7%	11.5%
Total Sample	16.3%	18.5%	9.6%

NEW RESIDENT OF THE CITY (1-12months)			
	RFSW	FFSW	MSM
	82.7%	56.5%	17.1%

RESPONDENTS WHO HAVE CHILDREN			
	RFSW	FFSW	MSM
	55.6%	57.5%	10.7%

## KNOWLEDGE OF HIV



## RISK BEHAVIORS

AGE PROFILE OF MARPS (in years)	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	14-23 (17)	13-24 (17)	8-24 (15)	15-17 (16)	13-24 (17)	12-16 (14)	8-24 (16)
Age MARP was first paid for sex (median)	17-29 (20)	16-30 (19)	12-24 (17)	16-17 (16)	16-30 (19)	12-17 (15)	16-24 (18)
Age males had first sex with other males (median)			8-24 (16)			12-17 (15)	8-24 (16)

SEXUAL PRACTICES AND DRUG USE	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	68.8%	51.9%	0%	50.0%	51.9%	0%	0%
Condom use last anal sex			36.1%			33.3%	36.7%
Anal receiver			46.2%			0%	55.6%
Anal inserter			28.3%			45.5%	24.5%
Both inserter and receiver			10.5%			0%	12.5%
Participated in an orgy			18.7%			8.3%	20.6%
% of MARP who are clients of sex workers past year	3.0%	3.8%	89.1%	0%	4.0%	66.7%	90.7%
% of MARPS who sold sex past year			31.6%			83.3%	21.9%
% who used drugs in the past 12 months	6.1%	4.9%	20.8%	0%	5.1%	50.0%	18.2%
% who ever injected drugs among those who used drugs	16.7%	0%	0%	0%	0%	0%	0%
% who ever shared needles/syringes	0%	No FSW-IDU	No MSM-IDU	-	-	-	-

NUMBER OF SEX PARTNERS	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-50 (5)	1-20 (3)	1-6 (2)	1-3 (2)	1-20 (3)	1-5 (2)	1-6 (2)
Number of non-paying partners past month (mean)	1-5 (1)	1-5 (1)	1-20 (2)	1	1-5 (1)	2-4 (3)	1-20 (2)

## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Attended HIV seminar	80.8%	14.8%	39.7%	0%	15.3%	16.7%	44.3%
Received FREE condoms	84.9%	20.3%	48.0%	33.3%	19.7%	50.0%	47.5%
Approached to talk about Injecting Drug Use	46.5%	17.0%	30.6%	0%	17.5%	0%	36.7%
Accessed SHC STI services	98.0%	21.3%	7.9%	0%	22.4%	16.7%	6.3%

ATTITUDE TO HIV INTERVENTION	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Feels at risk for HIV	65.7%	61.3%	47.3%	0%	63.3%	50.0%	46.8%
Know that SHC provides HIV testing	68.7%	36.3%	50.0%	0%	38.2%	58.3%	48.4%
Ever tested for HIV	83.8%	14.7%	9.7%	0%	15.3%	0%	11.7%
Recently tested for HIV (2009)	75.8%	8.8%	4.0%	0%	9.2%	0%	4.7%
Ever tested for HIV and got results	83.8%	12.5%	5.3%	0%	13.2%	0%	6.3%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM
HIV Prevalence	0%	0%	0%
Syphilis Prevalence	0%	0%	0%







# 2009 INTEGRATED HIV BEHAVIORAL AND SEROLOGIC SURVEILLANCE

## ZAMBOANGA CITY

MOST AT-RISK POPULATION	Population Size Estimate (Low)	Population Size Estimate (High)
Female Sex Workers (FSW)		
*Based in SHC registered establishments (RFSW)	1,205	
Freelance (FFSW)	138	354
Clients of Female Sex Workers	3,830	10,079
Males who have Sex with Males (MSM)	3,427	6,047
Injecting Drug Users (IDU)	1,190	

\*Not an estimate. Based on actual count at the SHC.

### IHBSS 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.

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

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

## DEMOGRAPHIC PROFILE OF MARPS

AGE PROFILE OF RESPONDENTS				
	RFSW	FFSW	MSM	IDU
Total Sample	295	300	299	314
Age Range (median)	17-46 (23)	15-49 (24)	15-56 (22)	16-51 (27)
15-17 years old	0.7%	3.0%	11.7%	1.6%
18 older	99.3%	97.0%	88.3%	98.4%

EDUCATIONAL ATTAINMENT				
	RFSW	FFSW	MSM	IDU
None	0.7%	1.7%	3.0%	0.6%
Elementary	19.0%	32.3%	11.1%	29.5%
High School	67.8%	53.0%	50.3%	42.6%
College	12.5%	13.0%	35.6%	27.2%

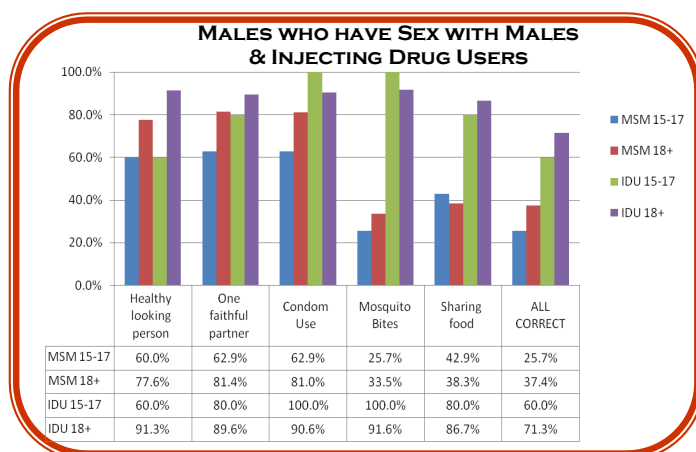
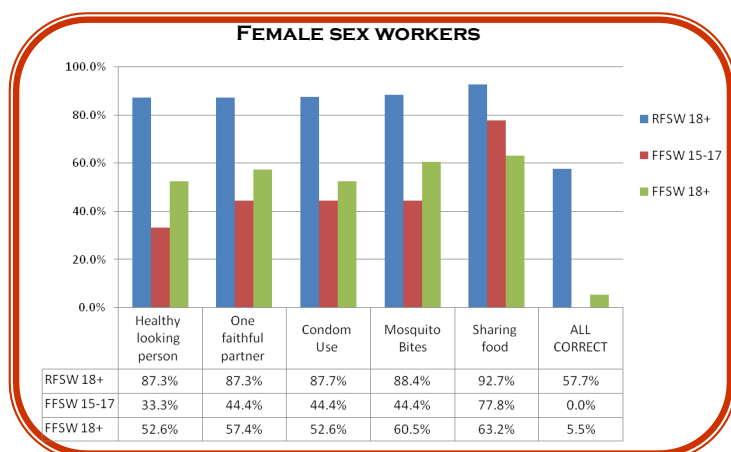
CIVIL STATUS				
	RFSW	FFSW	MSM	IDU
Single	64.7%	50.3%	96.3%	57.0%
Married	10.8%	18.0%	3.4%	37.3%
Separated/Widow	24.4%	31.7%	0.3%	5.7%

PRESENTLY LIVING WITH A PARTNER				
	RFSW	FFSW	MSM	IDU
15-17 years old	0%	66.7%	5.7%	60.0%
18 years and older	33.3%	25.8%	17.9%	35.3%
Total Sample	33.1%	27.0%	16.5%	35.7%

NEW RESIDENT OF THE CITY (1-12months)				
	RFSW	FFSW	MSM	IDU
	45.1%	37.0%	18.1%	14.7%

RESPONDENTS WHO HAVE CHILDREN				
	RFSW	FFSW	MSM	IDU
	57.3%	65.7%	7.7%	

## KNOWLEDGE OF HIV





**RISK BEHAVIORS**

AGE PROFILE OF MARPS (in years)	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Age of first penetrative sex (median)	8-28 (17)	12-28 (17)	6-30 (15)	11-29 (17)	14-17 (16)	12-28 (17)	13-17(14)	6-30 (16)	15-16 (16)	11-29 (17)
Age MARP was first paid for sex (median)	14-41 (20)	13-34 (19)	11-31 (17)		14-17 (17)	13-34 (19)	13-16 (15)	11-31 (18)		
Age of first drug use in years (median)				9-41 (16)					13-15 (14)	9-41 (16)
Age of first injected drugs (median)				12-42 (18)					15-17 (15)	12-42 (18)
Age of first sex with another male (median)			6-30 (16)				13-17 (15)	6-30 (16)		

SEXUAL PRACTICES	TOTAL			FFSW		MSM	
	RFSW	FFSW	MSM	15-17	18 older	15-17	18 older
Condom use last time MARP was paid for sex (For MSM, last paid anal sex)	85.6%	53.2%	21.0%	55.6%	53.1%	0%	25.5%
Condom use last anal sex			24.4%			6.3%	26.8%
Anal receiver			86.8%			88.9%	86.7%
Anal inserter			79.3%			83.3%	78.6%
Both inserter and receiver			7.7%			0%	8.7%
Participated in an orgy			15.1%			11.4%	15.5%
% of MARP who are clients of sex workers past year	19.7%	1.3%	88.6%	0%	1.4%	61.5%	90.7%
% of MARPS who sold sex past year			46.8%			68.6%	43.9%

SEXUAL PRACTICES OF IDUS			
	IDU		IDU
% who are ever MSM	38.4%	% with non-paying partner	57.4%
Condom use last anal sex	0%	% who sold sex (sex worker) past year	21.8%
Anal Receiver	3.7%	Condom use last sex with paying partner	12.5%
Anal Inserter	76.9%	% who are clients of sex workers past year	55.0%
Both anal receiver and inserter	0%	Condom use last sex with sex worker	25.8%

NUMBER OF SEX PARTNER	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Number of paying partners past month (mean)	1-52 (6)	1-90 (4)	1-10 (3)	1-9 (4)	1-6 (3)	1-90 (4)	1-4 (3)	1-10 (3)	1-2 (2)	1-9 (4)
Number of non-paying partners past month (mean)	1-20 (2)	1-16 (2)	1-17 (3)	1-4 (2)	1-4 (2)	1-16 (2)	1-10 (2)	1-17 (3)	Data not available	1-4 (2)

# ZAMBOANGA CITY

## RISK BEHAVIORS

DRUG USE	TOTAL	TOTAL	TOTAL	TOTAL	FFSW	FFSW	MSM	MSM	IDU	IDU
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
% who used drugs in the past 12 months	9.3%	11.7%	13.8%		44.4%	10.7%	18.8%	13.2%		
% who ever injected drugs among those who used drugs	0%	2.9%	0%		0%	3.2%	0%	0%		
% who ever shared needles/syringes	No FSW-IDU	1 shared/ 1 IDU	No MSM-IDU	84.9%	-	-	-	-	80.3%	86.9%
% who shared needles during last injection				80.9%					80.0%	80.9%
% who ever injected in shooting gallery				85.7%					100%	85.4%

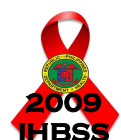
## INTERVENTION

EXPOSURE TO HIV INTERVENTION	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Attended HIV seminar	94.9%	13.3%	46.6%	37.0%	0%	13.8%	31.4%	48.7%	0%	37.7%
Received FREE condoms	92.4%	61.0%	58.2%	33.6%	66.7%	60.8%	47.1%	59.6%	0%	34.1%
Approached to talk about Injecting Drug Use	66.9%	22.0%	27.8%	51.0%	33.3%	21.7%	34.3%	26.9%	20.0%	51.3%
Received FREE needles				2.2%					0%	2.3%
Accessed SHC STI services	99.3%	63.7%	21.4%	38.9%	66.7%	63.6%	5.7%	23.5%	20.0%	39.2%

ATTITUDE TO HIV INTERVENTION	TOTAL				FFSW		MSM		IDU	
	RFSW	FFSW	MSM	IDU	15-17	18 older	15-17	18 older	15-17	18 older
Feels at risk for HIV	40.6%	52.7%	60.2%	72.3%	66.7%	52.2%	68.6%	59.1%	60.0%	72.5%
Know that SHC provides HIV testing	96.3%	74.7%	38.1%	67.8%	44.4%	75.6%	40.0%	37.9%	80.0%	67.6%
Ever tested for HIV	83.5%	21.3%	21.6%	3.8%	22.2%	21.3%	5.7%	23.7%	0%	3.9%
Recently tested for HIV (2009)	69.5%	1.0%	9.0%	0%	11.1%	0.7%	0%	10.2%	0%	0%
Ever tested for HIV and got results	78.0%	17.7%	19.7%	1.6%	11.1%	17.9%	5.7%	21.6%	0%	1.6%

## PREVALENCE

Serologic Data	RFSW	FFSW	MSM	IDU
HIV Prevalence	0%	0%	0%	0%
Syphilis Prevalence	1.00%	2.33%	9.67%	3.17%





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