

Key indicators for Frontiers Prevention Project: Report on baseline study in Andhra Pradesh, India

Updated February 2006



Acknowledgements

The participation of female sex workers and men who have sex with men in this study, and the facilitation of this study by the various non-governmental organisations in Andhra Pradesh and the Andhra Pradesh State AIDS Control Society (including its Technical Resource Unit) are gratefully acknowledged.

Thanks too for the inputs into the development and implementation of this baseline (including input to the design and testing of the instruments) from India HIV/AIDS Alliance (Delhi and Andhra Pradesh offices), LEPR India and many other teams at the Alliance secretariat.

The Frontiers Prevention Project, including this study, is supported by a grant from the **Bill & Melinda Gates Foundation**. The opinions expressed in this report do not necessarily reflect the views of this organisation.

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Introduction

India was estimated to have 5.1 million persons living with HIV by the end of 2003, the second-highest number for any country in the world after South Africa, according to the National AIDS Control Organisation of India (NACO) and the Joint United Nations Programme on HIV/AIDS (UNAIDS).

The state of Andhra Pradesh has one of the higher estimated prevalences of HIV among Indian states, based on sentinel surveillance data, which indicate that the HIV prevalence among pregnant women included in the sentinel surveillance in the year 2002 was 1.25%. India, including Andhra Pradesh, faces a risk of a larger HIV epidemic if adequate control measures are not applied effectively. Prevention focused on high-risk populations, if effective, could greatly reduce this threat. The Frontiers Prevention Project (FPP) has been planned in Andhra Pradesh to contribute to this effort towards HIV control. FPP is based on two principles designed to increase the effectiveness of the intervention strategies:

1. A campaign of intervention strategies addressing key populations, defined as those at especially high risk of acquiring and/or transmitting sexually transmitted infections (STI) including HIV.
2. Developing specific intervention strategies in close collaboration with members of the targeted populations. This enables adaptation of the intervention to the characteristics of the target population in a particular location and also greatly increases acceptability by the target population.

An evaluation strategy was developed to measure the impact of the FPP package of prevention interventions. As part of this evaluation, a baseline survey was carried out with female sex workers (FSWs) and men who have sex with man (MSM) in forty geographic sites of the state of AP, India, which were previously identified as the sites with a high number of FSWs and where MSM could be accessed through non-governmental organisations having links with them.

Methodology

Forty geographic sites in 13 districts of the Telangana and Rayalseema regions of Andhra Pradesh were included in this study. The sample size for this study was calculated in order to measure significant changes in risk sexual behaviour and prevalence of sexually transmitted infections between the baseline and the follow-up surveys. To estimate the size of the populations of interest in each of the sites, Alliance coordinated a mapping of the key populations (FSWs and MSM) in each site using participatory methods and key population representatives.

The interview questionnaires used in this study were developed by an international team of multidisciplinary researchers with the participation of key actors, and in close collaboration with Alliance staff. Extensive training of the interviewers was organised by ASCI, and this was done by a variety of survey experts and key population representatives in the local language Telugu, in order to cover all technical and ethical issues. The interviewers were trained at the Nizam's Institute of Medical Sciences in the procedures to obtain blood and urine samples from respondents, and certified as having learnt the techniques before starting the baseline study data collection.

The data for this baseline study were collected and managed by the ASCI FPP Study Team between July 2003 and April 2004. Key population facilitators helped contact and recruit respondents for this study. Written informed consent was obtained from each respondent. Interviews and blood-urine sample collection were done confidentially and the names of respondents were not linked with the data. The data collection process in the field involved constant supervision of the work of interviewers by Quality Control Supervisors and Field Manager in each of two teams.

A total of 6,648 FSW and 6,661 MSM participated in this study. The information collected in the interviews included details regarding demographic background, work history, social support, awareness-knowledge of HIV, treatment seeking behaviour for STI, and several aspects of sexual behaviour.

The laboratory tests for herpes simplex virus-2, syphilis and chlamydia were done at NIMS. Herpes simplex virus-2 was tested by detecting IgG antibodies with Herpes Select ELISA assay (Focus Technologies, USA) in the elute from dried blood spot samples. Syphilis was tested by detecting IgG antibodies with Trepanostika ELISA

(bioMerieux, France) in the elute from dried blood spot samples. Chlamydia was tested by detecting DNA with Amplicor PCR (Roche) in the urine samples.

Data entry was done using LSD (*Sistemas Integrales*) and data were analysed using SPSS and Stata statistical softwares.

For the analysis, the different types of FSWs were defined as follows:

- a. *Street-based FSWs*: FSWs who solicit their clients on streets (cinema, park, bus-stand, railway station, hotel / lodge, etc) and provide services at hotel / lodge or a place of client's choice.
- b. *Home-based FSWs*: FSWs who solicit their clients at home either directly or through a pimp and provide services at their homes.
- c. *Brothel-based FSWs*: FSWs who solicit clients through a pimp or gatekeeper and provide services at the brothel.

For the analysis, the different types of MSM were defined as follows:

- a. *Kothi*: MSM who identified self to be receptive partner during sex with males.
- b. *Panths*: MSM who identified self to be insertive partner during sex with males.
- c. *Double-decker*: MSM who identified self to be both receptive and insertive partner during sex with males.

RESULTS – Female Sex Workers

Demographic details

A total of 7,251 FSWs were requested to participate in the study, of which 6,648 (91.7%) participated. 5,010 (75.4%) were street-based, 1,499 (22.5%) home-based and 139 (2.1%) brothel-based FSWs. In this section, various demographic details of the FSWs are presented for the three different types of FSWs for all the sites combined. Data for each site are presented in Table 33 and Annexure 1.

Age distribution

Distribution of FSWs who participated is shown by age categories. 5,028 (75.7%) of FSWs were between the ages of 20 and 34 years, the mean age of FSWs was 27.3 years.

Table 1. Distribution of age for the different types of FSWs

Age group (years)	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
16-19	409 (8.2%)	233 (15.5%)	28 (20.1%)	670 (10.1%)
20-24	1,215 (24.3%)	472 (31.5%)	52 (37.4%)	1,739 (26.2%)
25-29	1,541 (30.8%)	365 (24.3%)	27 (19.4%)	1,933 (29.1%)
30-34	1,087 (21.7%)	251 (16.7%)	18 (12.9%)	1,356 (20.4%)
35-39	538 (10.7%)	124 (8.3%)	12 (8.6%)	674 (10.1%)
40-44	182 (3.6%)	43 (2.9%)	1 (0.7%)	226 (3.4%)
45 or more	38 (0.8%)	11 (0.7%)	1 (0.7%)	50 (0.8%)
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

Marital status

Nearly the same proportion of FSWs were currently married (40.6%) and previously married (42.6%). The proportion of unmarried FSWs was higher among the brothel-based and home-based FSWs as compared with the street-based FSWs.

Table 2. Distribution of current marital status for the different types of FSWs

Marital status	Type of female sex worker			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
Unmarried	467 (9.3%)	584 (39.0%)	66 (47.5%)	1,117 (16.8%)
Currently married	2,280 (45.5%)	394 (26.3%)	24 (17.3%)	2,698 (40.6%)
Other	2,263 (45.2%)	521 (34.8%)	49 (35.3%)	2,833 (42.6%)
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

Other include separated, divorced and widowed

Religion and caste

Most of the FSWs belonged to Hindu religion (90.7%), and the majority of FSWs belonged to backward and scheduled caste. Most of the FSWs belonging to religions other than Hinduism did not have a caste.

Table 3. Distribution of religion for the different types of FSWs

Religion	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
Hindu	4,538 (90.6%)	1,365 (91.1%)	124 (89.2%)	6,027 (90.7%)
Muslim	312 (6.2%)	99 (6.6%)	10 (7.2%)	421 (6.3%)
Christian	156 (3.1%)	35 (2.3%)	5 (3.6%)	196 (2.9%)
Sikh	1 (0.0%)			1 (0.0%)
Other	3 (0.0%)			3 (0.0%)
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

Table 4. Distribution of caste for the different types of FSWs

Caste	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
Forward caste	256 (5.1%)	64 (4.3%)	13 (9.4%)	333 (5.0%)
Backward caste	1,808 (36.1%)	910 (60.7%)	89 (64.0%)	2,807 (42.2%)
Scheduled caste	1,946 (38.8%)	381 (25.4%)	23 (16.5%)	2,350 (35.3%)
Scheduled tribe	649 (13.0%)	46 (3.1%)	3 (2.2%)	698 (10.5%)
Not applicable	349 (7.0%)	98 (6.5%)	11 (7.9%)	458 (6.9%)
Refused to answer	2 (.0%)			2 (.0%)
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

Not applicable indicates that the FSW has no caste and most of these are Muslim

Schooling

Two-thirds of the FSWs were either illiterate or had no formal education. The proportion of FSWs with schooling more than class 5 was higher among the home-based and brothel-based FSWs.

Table 5. Distribution of schooling for the different types of FSW

Schooling category	Type of female sex worker			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
Never been to school	3,181 (63.5%)	849 (56.6%)	76 (54.7%)	4,106 (61.8%)
Non-formal education	670 (13.4%)	168 (11.2%)	22 (15.8%)	860 (12.9%)
Classes 1 to 5	862 (17.2%)	318 (21.2%)	27 (19.4%)	1,207 (18.2%)
More than class 5	297 (5.9%)	164 (10.9%)	14 (10.1%)	475 (7.1%)
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

Number of children

Slightly over three-fourths of the FSWs had children. The mean number of children was 2.2 for the FSWs who had children. The proportion of FSWs not having any children was lowest among street-based FSWs.

Table 6. Distribution of number of children for the different types of FSW

Number of children	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
No child	890 (17.8%)	585 (39.0%)	71 (51.1%)	1,546 (23.3%)
One child	1,035 (20.7%)	275 (18.3%)	23 (16.5%)	1,333 (20.1%)
Two children	1,684 (33.6%)	349 (23.3%)	25 (18.0%)	2,058 (31.0%)
More than two children	1,401 (28.0%)	290 (19.3%)	20 (14.4%)	1,711 (25.7%)
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

Work history

Various aspects of the work history of FSWs are described in this section, and the data for each site are presented in Table 33 and Annexure 1.

Age at starting sex work

About half of the FSWs had started sex work between the ages of 16 to 24 years. The mean age at starting sex work was 23.1 years. The proportion of FSWs who had started sex work between the ages of 12 to 15 years was higher among the brothel-based and home-based FSWs.

Table 7. Distribution of age at starting sex work for the different types of FSWs

Age at sex work (years)	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
12-15	191 (3.8%)	356 (23.8%)	33 (23.7%)	580 (8.7%)
16-19	955 (19.1%)	394 (26.3%)	43 (30.9%)	1,392 (20.9%)
20-24	1,643 (32.8%)	334 (22.3%)	40 (28.8%)	2,017 (30.3%)
25-29	1,475 (29.4%)	273 (18.2%)	15 (10.8%)	1,763 (26.5%)
30-34	578 (11.5%)	109 (7.3%)	5 (3.6%)	692 (10.4%)
>=35	168 (3.4%)	32 (2.1%)	3 (2.2%)	203 (3.1%)
TOTAL	5,010 (100.0%)	1,498 (100.0%)	139 (100.0%)	6,647 (100.0%)

Duration of sex work

39.5%, 24.6% and 29.4% of the street-based, home-based, and brothel-based FSWs, respectively had started sex work within the last 2 years. The proportion of FSWs in sex work for more than 5 years was lowest among street-based FSWs. The mean duration of sex work was 4.2 years.

Table 8. Distribution of duration of sex work for the different types of FSWs

Duration of sex work (years)	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
1 year or less	916 (18.3%)	174 (11.6%)	23 (16.5%)	1,113 (16.7%)
1.1 – 2.0	1,060 (21.2%)	195 (13.0%)	18 (12.9%)	1,273 (19.1%)
2.1 – 3.0	892 (17.8%)	234 (15.6%)	20 (14.4%)	1,146 (17.2%)
3.1 – 4.0	629 (12.6%)	186 (12.4%)	16 (11.5%)	831 (12.5%)
4.1 – 5.0	567 (11.3%)	196 (13.1%)	23 (16.5%)	786 (11.8%)
More than 5	946 (18.9%)	514 (34.3%)	39 (28.1%)	1,499 (22.5%)
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

Paying clients in the last 7 days

Paying clients were defined as those clients from whom FSWs charged money in exchange for sex. 2,682 (40.3%) of the FSWs had 3 to 7 paying clients in the last 7 days. The proportion of FSWs having 15 or more paying clients in the last 7 days was highest among brothel-based FSWs. The mean number of paying clients was 6.6 in the last 7 days.

Table 9. Distribution of the number of paying clients in the last 7 days for the different types of FSWs

Number of paying clients in the last 7 days	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
None	638 (12.7%)	151 (10.1%)	8 (5.8%)	797 (12.0%)
1-2	631 (12.6%)	156 (10.4%)	5 (3.6%)	792 (11.9%)
3-7	2,159 (43.1%)	495 (33.0%)	28 (20.1%)	2,682 (40.3%)
8-14	1,322 (26.4%)	471 (31.4%)	46 (33.1%)	1,839 (27.7%)
15-28	248 (5.0%)	220 (14.7%)	49 (35.3%)	517 (7.8%)
More than 28	12 (0.2%)	6 (0.4%)	3 (2.2%)	21 (0.3%)
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

Income in the last 7 days from sex work

Considering all the FSWs together who had worked in the last 7 days, the mean income per day was Rs. 96 (US\$ 2.1). The mean income per day was Rs. 82, Rs. 135 and Rs. 174 for street-based, home-based, and brothel-based FSWs, respectively.

Table 10. Distribution of the income in the last 7 days for the different types of FSWs

Income in the last 7 days (Rupees)	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
None	637 (12.7%)	151 (10.1%)	9 (6.5%)	797 (12.0%)
250 or less	1,688 (33.7%)	292 (19.5%)	14 (10.1%)	1,994 (30.0%)
251 – 500	1,551 (31.0%)	360 (24.0%)	29 (20.9%)	1,940 (29.2%)
More than 500	1,132 (22.6%)	696 (46.4%)	87 (62.6%)	1,915 (28.8%)
TOTAL	5,008 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,646 (100.0%)

Abuse by client and support for abuse

15.4% of the FSWs reported being ever abused by a client, with the proportion of those who reported abuse being highest among street-based FSWs. 5% of the FSWs reported abuse within the last 3 months. Of the 1,022 FSWs who reported

being ever abused by a client, 755 (73.9%) reported that they did not seek support for the abuse.

Table 11. Distribution of ever abuse by a client for the different types of FSWs

Ever abused by a client	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
Abused	882 (17.6%)	125 (8.3%)	15 (10.8%)	1,022 (15.4%)
Not abused	4,128 (82.4%)	1,374 (91.7%)	124 (89.2%)	5,626 (84.6%)
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

Work other than sex work

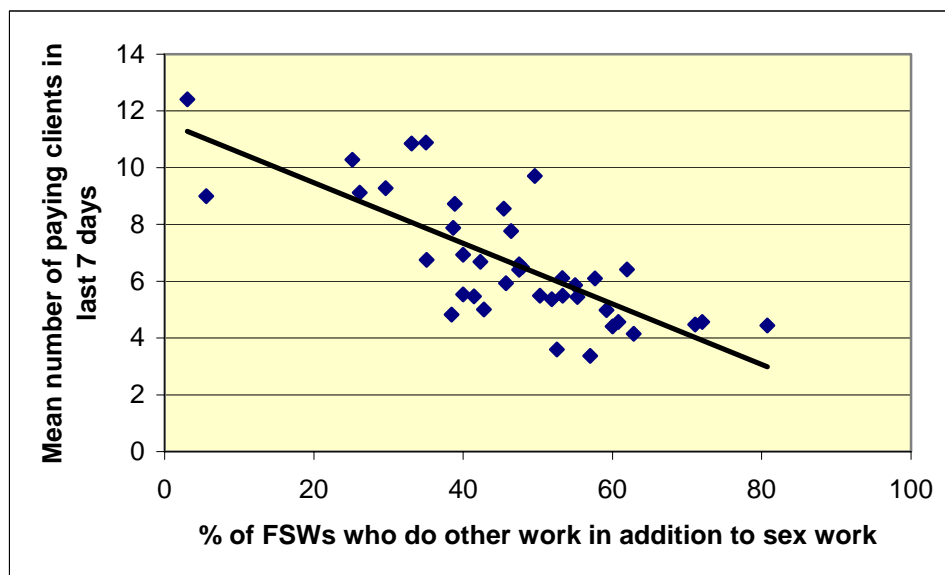
Nearly half of the FSWs reported that they were doing other work in addition to sex work. The other work included working as a labourer (59.6%), house maid (14%), milk/vegetable vendor (8.8%), petty business (4.1%), and some other works (13.5%).

Table 12. Work in addition to sex work for the different types of FSWs

Do other work in addition to sex work	Type of female sex worker			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
Yes	2,677 (53.4%)	407 (27.2%)	21 (15.1%)	3,105 (46.7%)
No	2,333 (46.6%)	1,092 (72.8%)	118 (84.9%)	3,543 (53.3%)
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

Figure 1 shows that the proportion of FSWs who reported doing other work in addition to sex work increased with decreasing average number of paying clients in the 40 sites.

Figure 1.



Social support

Some important factors to be considered for the marginalized and stigmatised populations in developing countries are issues relating to social acceptance and the violations of human rights. These issues can cause members of a population to take self-protective measures such as social isolation and low self-esteem that make it difficult for prevention interventions to identify them. This section describes social support for the FSWs, and data for each site are presented in Table 33 and Annexure 1.

Social activities

Two-thirds of the FSWs reported having participated in social activities in the last 6 months. These included activities such as visiting a place of worship, attending wedding and festival celebrations, and meetings.

Table 13. Distribution of participation in any social activity for the different types of FSWs

Participation in any social activity	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
Yes	3,702 (73.9%)	1,179 (78.7%)	97 (69.8%)	4,978 (74.9%)
No	1,307 (26.1%)	320 (21.3%)	42 (30.2%)	1,669 (25.1%)
TOTAL	5,009 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,647 (100.0%)

FSW support group participation

Only 9% of the FSWs reported participation in FSW support groups, and the proportion of FSWs participating in support groups was similar for the three types of FSWs.

Table 14. Distribution of participation in FSW support group for the different types of FSWs

Participation in FSW support group	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
Yes	433 (8.6%)	152 (10.1%)	15 (10.8%)	600 (9.0%)
No	4,576 (91.4%)	1 347 (89.9%)	124 (89.2%)	6,047 (91.0%)
TOTAL	5,009 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,647 (100.0%)

Family aware of sex work

One-third of the FSWs reported that their family was aware that they were sex workers, and the proportion of FSWs reporting this was least among the street-based FSWs.

Table 15. Distribution of family's awareness of sex work for the different types of FSWs

Family aware of sex work	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
Yes	1,157 (23.1%)	954 (63.6%)	69 (49.6%)	2,180 (32.8%)
No	3,836 (76.6%)	542 (36.2%)	69 (49.6%)	4,447 (66.9%)
Refused to answer	14 (0.3%)	3 (0.2%)	1 (0.7%)	18 (0.3%)
TOTAL	5,007 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,645 (100.0%)

Count-on score

The count-on score for each FSW was averaged for the responses to the seven questions used for this score, which covered if the respondent could count on someone for money, going to doctor, talking about problems, food or place to stay, abuse, client demanding sex without condom, and refusing a client. The average count-on score ranged from 1 to 5, with 1 indicating least social support and 5 indicating maximum social support. The three suggested categories in the Table below indicate low, medium and high social support, respectively.

Table 16. Distribution of the mean "count-on" scores for the different types of FSWs

Mean "count on" score categories	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
1 - 2.50	1,238 (24.7%)	211 (14.1%)	20 (14.4%)	1,469 (22.1%)
2.51 - 3.50	2,284 (45.6%)	431 (28.8%)	39 (28.1%)	2,754 (41.4%)
More than 3.50	1,488 (29.7%)	857 (57.2%)	80 (57.6%)	2,425 (36.5%)
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

Life skills score

The life skills scores for each FSW was averaged for the responses to the ten questions used for this score, which covered issues related to respondent's control over decisions affecting her life, condom use with clients and other sex work issues, and HIV services. The average life skill score ranged from 1 to 5, with 1 indicating least life skills score and 5 indicating maximum life skills score. The three suggested categories in the Table below indicate low, medium and high life skills scores, respectively.

Table 17. Distribution of the mean life skills scores for the different types of FSWs

Mean life skills score categories	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
1 - 2.50	1,262 (25.2%)	206 (13.7%)	9 (6.5%)	1,477 (22.2%)
2.51 - 3.50	2,126 (42.4%)	420 (28.0%)	36 (25.9%)	2,582 (38.8%)
More than 3.50	1,622 (32.4%)	873 (58.2%)	94 (67.6%)	2,589 (38.9%)
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

HIV awareness and knowledge

Awareness and knowledge regarding various aspects of HIV/AIDS and risk behaviour is one of the first steps necessary for HIV prevention. This section describes the various aspects of HIV/AIDS awareness for FSWs. Data for each site are presented in Table 33 and Annexure 1.

Awareness of HIV/AIDS and that it is preventable

80.8% of the FSWs had heard of HIV/AIDS of whom only 65.3% responded that HIV was preventable (columns B and C in the table below). This knowledge that HIV was preventable was least among street-based FSWs. Among all the FSWs who participated, only 52.8% responded that HIV was preventable (column D in the table below).

Table 18. Distribution among FSWs of awareness of HIV/AIDS and knowledge that HIV was preventable

	A	B	C	D
Type of FSWs	Number of FSWs	Number who were aware of HIV/AIDS (% of column A)	Number who responded HIV/AIDS was preventable among those who were aware (% of column B)	Number who responded HIV/AIDS was preventable (% of column A)
All types	6,648	5,372 (80.8%)	3,510 (65.3%)	3,510 (52.8%)
Street-based	5,010	3,942 (78.7%)	2,415 (61.3%)	2,415 (48.2%)
Home-based	1,499	1,297 (86.5%)	986 (76.0%)	986 (65.8%)
Brothel-based	139	133 (81.3%)	109 (96.5%)	109 (78.4%)

Figure 2 on the next page shows the distribution of the proportion of FSWs in the 40 sites who responded that HIV could be prevented.

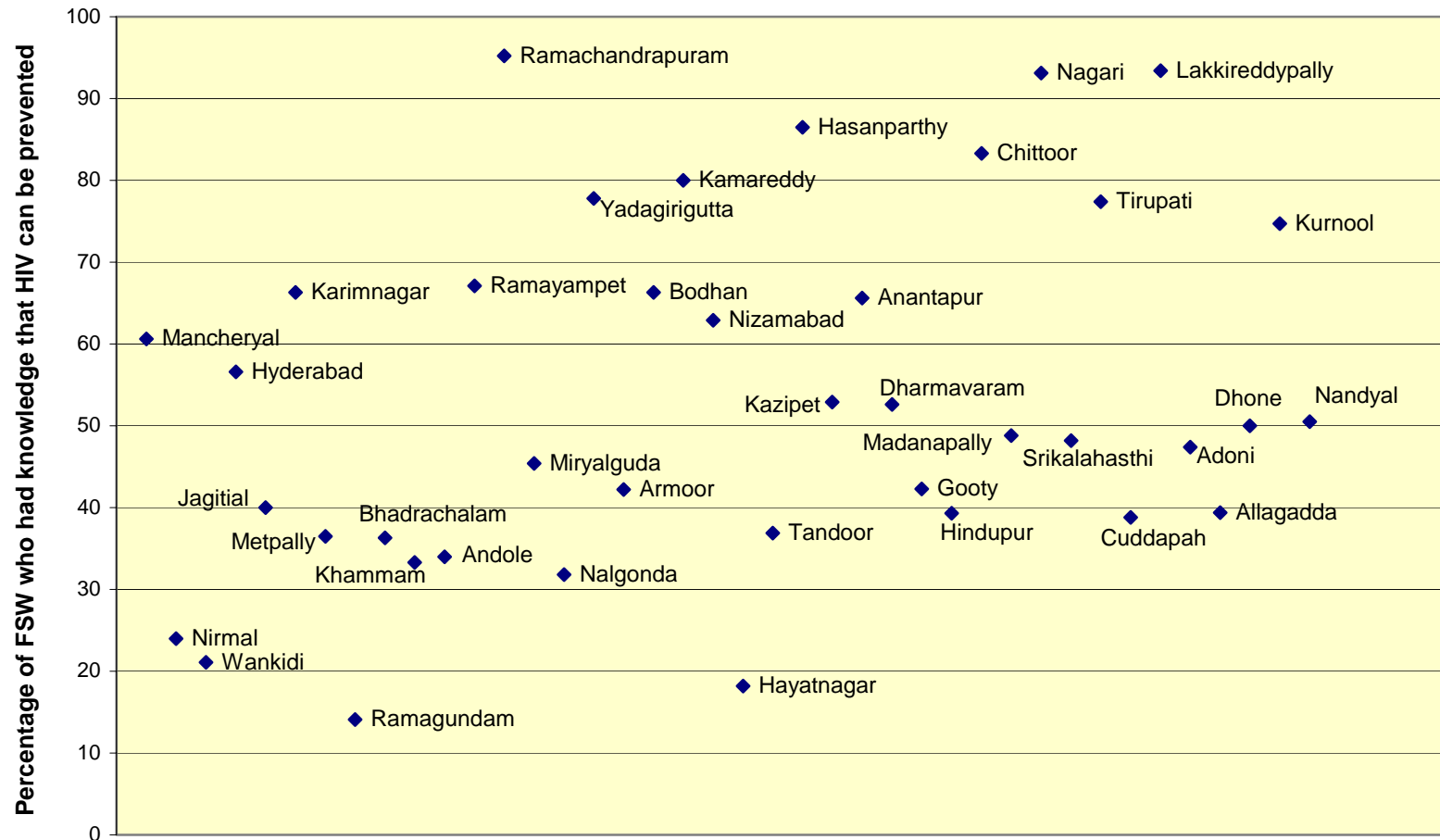
Knowledge of preventive methods for HIV

The 3,510 FSWs who knew that HIV/AIDS was preventable were asked to list all the preventive methods for HIV that they knew. All the responses were documented. The vast majority among these 3,510 FSWs mentioned that use of condom could prevent HIV infection.

Table 19. Distribution of the preventive methods for HIV/AIDS cited by the FSWs. The distribution is not mutually exclusive.

Preventive method for HIV/AIDS	Number of FSW (%)
Using a condom	3,436 (97.9%)
Avoiding sex with HIV infected person	478 (13.6%)
Doing non-penetrative sex	36 (1.0%)

Figure 2. Distribution of the proportion of FSWs in the 40 sites who responded that HIV could be prevented.



Sources of information on HIV/AIDS

The 3,510 FSWs who knew that HIV/AIDS was preventable were asked the source(s) of their information on HIV/AIDS. Media, another FSW and non-governmental organisations were cited as the major sources of information.

*Table 20. Distribution of the source of information about HIV/AIDS being preventable among the FSWs who knew that HIV/AIDS could be prevented (3,510).
The distribution is not mutually exclusive.*

Source of information on HIV prevention	Number of FSW (%)
Newspaper/ radio / TV	2,031 (57.9%)
Another FSW	1,464 (41.7%)
Non-governmental organisation	1,465 (41.7%)
Client	645 (18.4%)
Government hospital	487 (13.9%)
Poster or banner	451 (12.8%)
Peer educator	366 (10.4%)
Other sources	406 (11.6%)

HIV test

The 5,372 FSWs who were aware of HIV/AIDS were asked if they had undergone test for HIV, and 9.7% reported that they had. The participants were not asked about the result of HIV test.

Table 21. Distribution of HIV test for the FSW who were aware of HIV/AIDS (5,372)

Ever had HIV test?	Among the FSW who were aware of HIV/AIDS (% of 5,372)
Yes	523 (9.7%)
No	4,739 (88.2%)
Do not know	110 (2.0%)
TOTAL	5,372 (100.0%)

Knowledge about HIV testing facility

The 5,372 FSWs who were aware of HIV/AIDS were asked if they knew where one could go for getting HIV test done. All the responses given were documented.

Table 22. Distribution of knowledge about HIV test facilities among FSWs who were aware of HIV/AIDS (5,372). The distribution is not mutually exclusive.

Testing facilities for HIV	Number (% of 5,372)
Government hospital or clinic*	2,641 (49.2%)
Private hospital or clinic	1,701 (31.7%)
NGO	288 (5.4%)
Private diagnostic centre	251 (4.7%)
Do not know	2,253 (41.9%)

**Voluntary Counselling and Testing Centre (VCTC) is included in this category, but was mentioned specifically only by 41 (0.8%).*

Treatment seeking behaviour for STI

It is been increasingly recognised that the risk of HIV increases with the presence of other sexually transmitted infections (STI). Early diagnosis and effective treatment of STI can reduce the risk of HIV infection. This section describes the data on self-reported STI symptoms and treatment seeking behaviour. Data for each site are presented in Annexure 1.

Self-reported history of STI

A total of 928 (14%) FSWs reported history of STI symptoms ever. Of these FSWs, 661 (71.2%) reported STI symptoms within the last one year from the date of interview.

Table 23. Distribution of self-reported history of STI ever for the different types of FSW

Self-reported history of STI ever	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
Yes	712 (14.2%)	194 (12.9%)	22 (15.8%)	928 (14.0%)
No	4,296 (85.7%)	1,305 (87.1%)	117 (84.2%)	5,718 (86.0%)
Refused to answer	2 (0.0%)			
TOTAL	5,010 (100.0%)	1,499 (100.0%)	139 (100.0%)	6,648 (100.0%)

Treatment sought for STI symptoms

Of the 928 FSWs who had reported STI symptoms ever, majority of them had sought treatment for these symptoms.

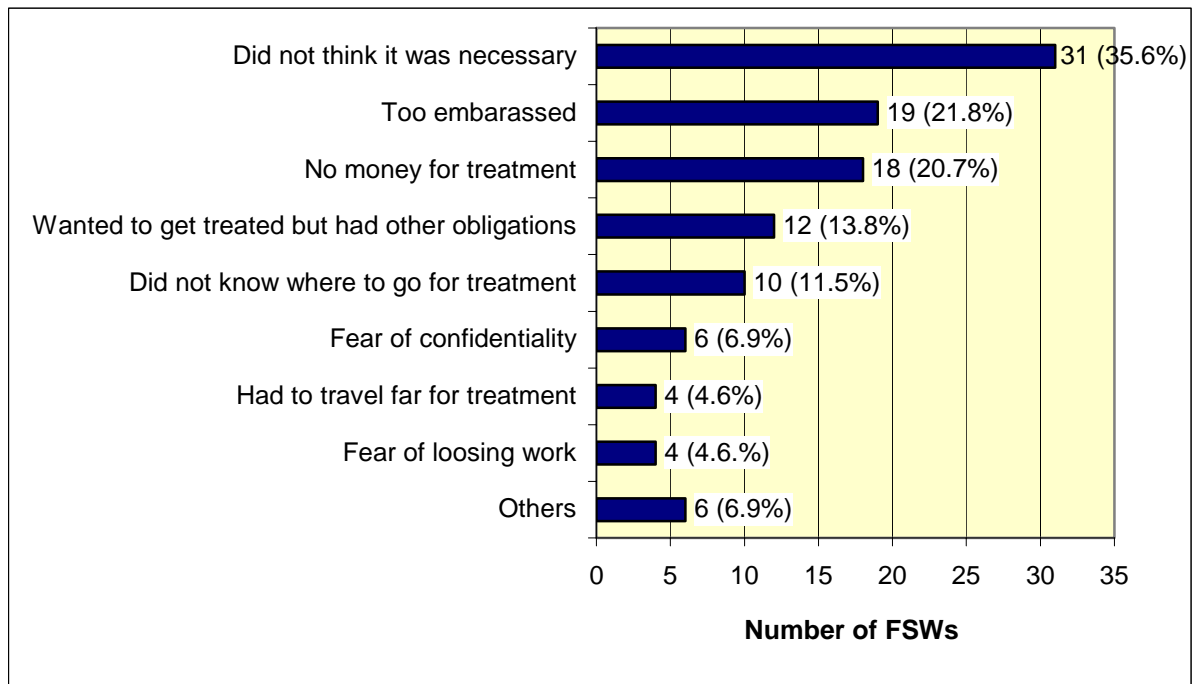
Table 24. Distribution of treatment seeking for STI for the different types of FSWs

Sought treatment for STI symptoms	Type of female sex workers			
	Street-based Number (%)	Home-based Number (%)	Brothel-based Number (%)	Total Number (%)
Yes	623 (87.5%)	174 (89.7%)	21 (95.5%)	818 (88.1%)
No	89 (12.5%)	20 (10.3%)	1 (4.5%)	110 (11.9%)
TOTAL	712 (100.0%)	194 (100.0%)	22 (100.0%)	928 (100.0%)

Reasons for not seeking treatment

The reasons for not seeking treatment for STI for the FSWs who had STI symptoms in the last one year are shown in Figure 3. These reasons were not prompted to the respondent, and the distribution is *not mutually exclusive*.

Figure 3.



Use of condom

Correct and consistent use of condom is an integral part of the HIV prevention interventions, including those targeting FSWs. This section describes the use of condom by FSWs. Data for each site are presented in Annexure 1.

Use of condom ever

Three-fourths of the FSWs reported ever use of condom. Among the different types of FSWs, 72%, 83.8% and 96.4% of the street-based, home-based, and brothel-based FSW reported using condom ever, respectively.

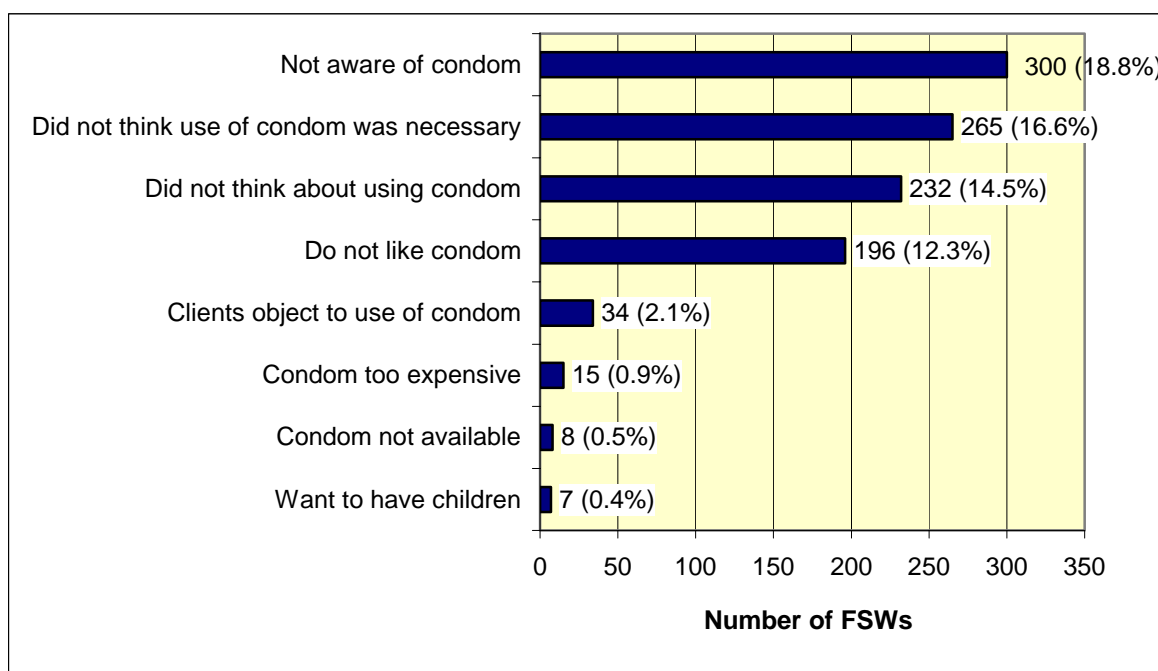
Table 25. Distribution of use of condom ever by FSWs

Use of condom ever	Number of FSWs (%)
Yes, used	5,010 (75.4%)
Never used	1,594 (23.9%)
Refused to answer	44 (0.7%)
TOTAL	6,648 (100%)

Reasons for not using condom

The reasons for not using condom for the FSWs who never used condom are shown in Figure 4. These reasons were not prompted to the respondent, and the distribution is *not mutually exclusive*.

Figure 4. Reasons for not using condom ever for FSWs



Free condoms and their source

Among the FSWs who had used condom ever, 2,942 (58.7%) reported receiving condoms for free, and vast majority of them had received free condoms within the last one month of the interview.

Table 26. Distribution of receiving condom for free among the FSWs who had ever used condom

Received condom for free	Number of FSWs (%)
Never received condom for free	2,068 (41.3%)
Received within last 1 month	2,468 (49.3%)
Received more than 1 month ago	474 (9.4%)
TOTAL	5,010 (100.0%)

For the FSWs who had reported receiving condom for free within the last one month (2,468), non-governmental organisations were the main source of these condoms.

Table 27. Distribution of source of free condom for the FSWs who reported that they had received condoms for free within the last one month

Source of free condom within the last 1 month	Number of FSWs (%)
NGO	1,781 (72.2%)
Clinic / hospital	240 (9.7%)
Condom outlet box	97 (3.9%)
Hotel / lodge / dhaba	40 (1.6%)
Gate-keepers	39 (1.6%)
Workplace	45 (1.8%)
Others	224 (9.1%)
Data not available	2 (0.1%)
TOTAL	2,468 (100%)

Condom use by FSWs with their clients

This section describes the use of condom for penetrative sex between FSWs and their clients. Detailed data on sexual behaviour was documented for a maximum of last 3 clients for the FSWs who had client(s) in the last 15 days including the day of the interview. Data related to use of condom for penetrative sex between FSWs and their clients for each site are presented in Table 33 and Annexure 1. The distribution of FSWs based on the number of clients on whom data were documented is shown in the Table below. 6,171 (92.8%) FSWs reported having at least one client in the last 15 days.

Table 28. Distribution of the FSW based on the number of clients on whom data were available

Number of clients on whom detailed data were documented	Number of FSW who reported this number (%)
No client in the last 15 days	477 (7.2%)
One client only in the last 15 days	288 (4.3%)
Two clients only in the last 15 days	408 (6.1%)
Three clients	5,475 (82.4%)
TOTAL	6,648 (100.0%)

Use of condom for penetrative sex

Of the 6,171 FSWs who had at least one client in the last 15 days, 6,165 (99.9%) reported having had penetrative vaginal or anal sex with at least one client. This penetrative sex was predominantly vaginal. 47.2% of the FSWs had not used condom at all or not used consistently with the clients for penetrative sex.

Table 29. Distribution of consistent condom use for the FSW who had penetrative sex with their clients. The vast majority of penetrative sex was vaginal.

Penetrative sex with ...	Number of FSWs	Condom use		
		With all clients	Not with all clients	Refused to answer
3 clients	5,363	2,848 (53.1%)	2,484 (46.3%)	31 (0.6%)
2 clients	494	204 (41.3%)	286 (57.9%)	4 (0.8%)
1 client	308	169 (54.9%)	137 (44.5%)	2 (0.6%)
TOTAL	6,165	3,221 (52.2%)	2,907 (47.2%)	37 (0.6%)

“Condom use with all clients” denotes consistent condom use for penetrative vaginal/anal sex

Use of condom in relation to select factors

In this section, the use of condom is shown in figures for some variables that could potentially be associated with no or inconsistent use of condom for penetrative sex with clients. The data used in these figures are only for those FSWs who had reported penetrative sex with at least one client, and are presented for the 40 geographic sites in the scatter plots that follow.

Type of FSW

Figure 5. No or inconsistent use of condom for street-based FSWs

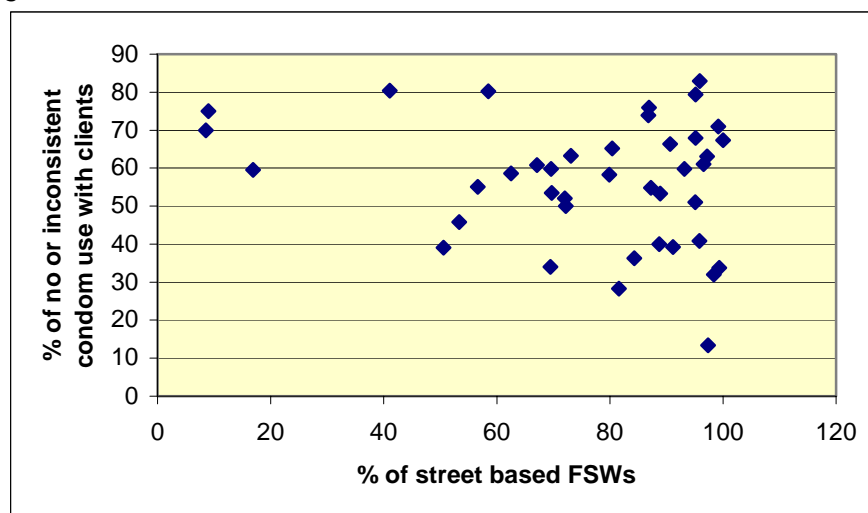
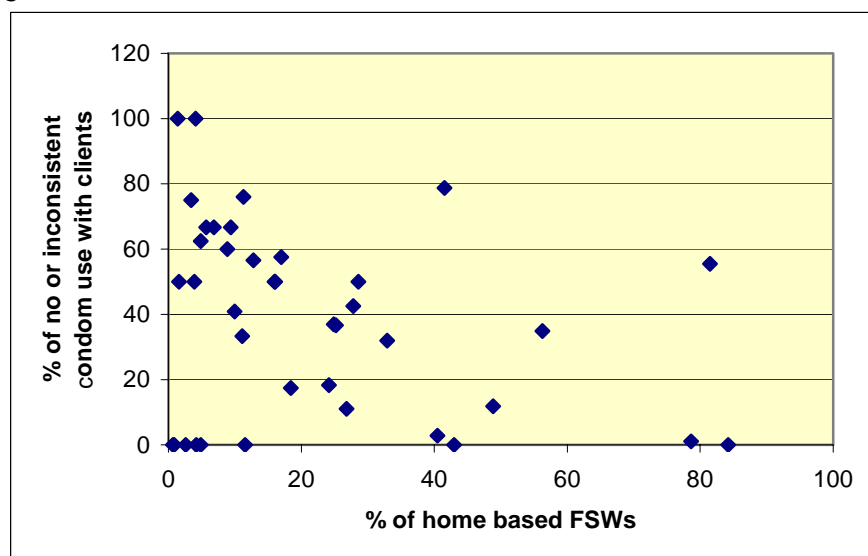
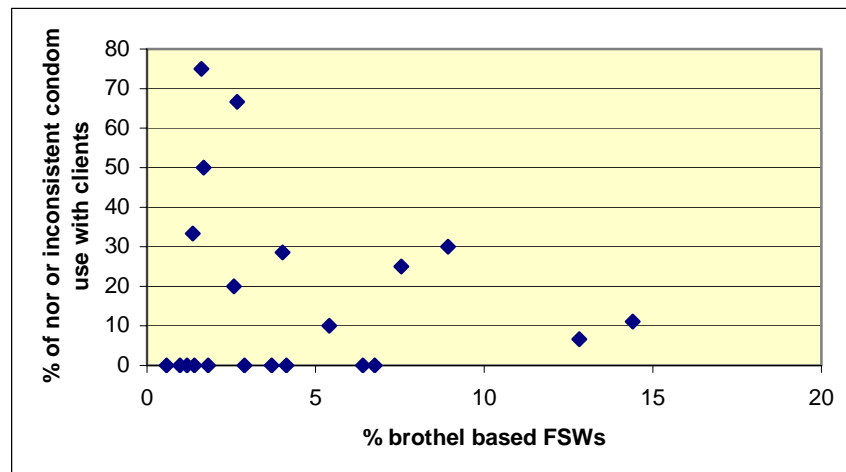


Figure 6. No or inconsistent use of condom for home-based FSWs



The points on the X-axis in this scatter plot indicate the sites that did not have any home-based FSWs representing this factor.

Figure 7. No or inconsistent use of condom for brothel-based FSWs



The points on the X-axis in this scatter plot indicate the sites that did not have any brothel-based FSWs representing this factor.

Schooling and use of condom

Figure 8. No or non-formal schooling and no or inconsistent use of condom

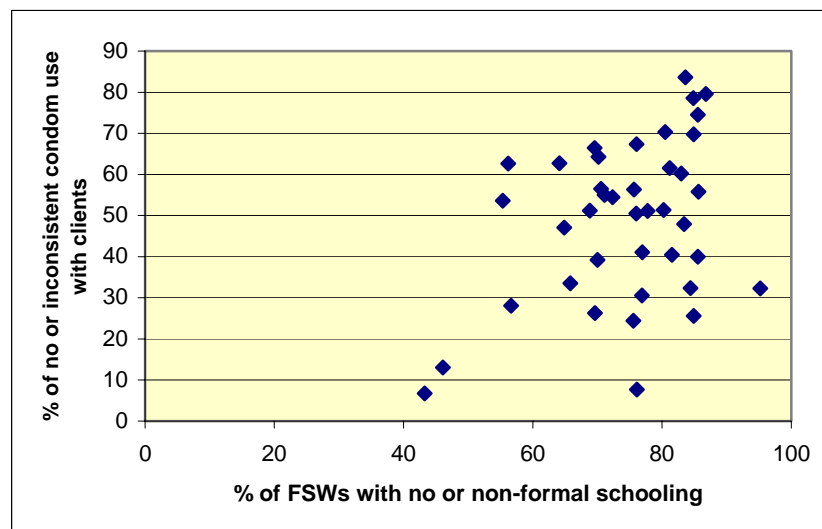
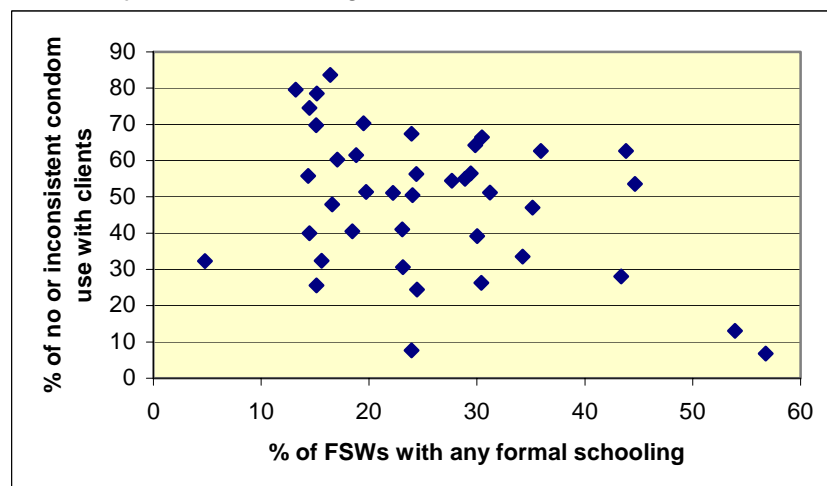


Figure 9. Any formal schooling and no or inconsistent use of condom



Mean income in the last 7 days and use of condom

Figure 10. Association between mean income in the last 7 days and no or inconsistent use of condom

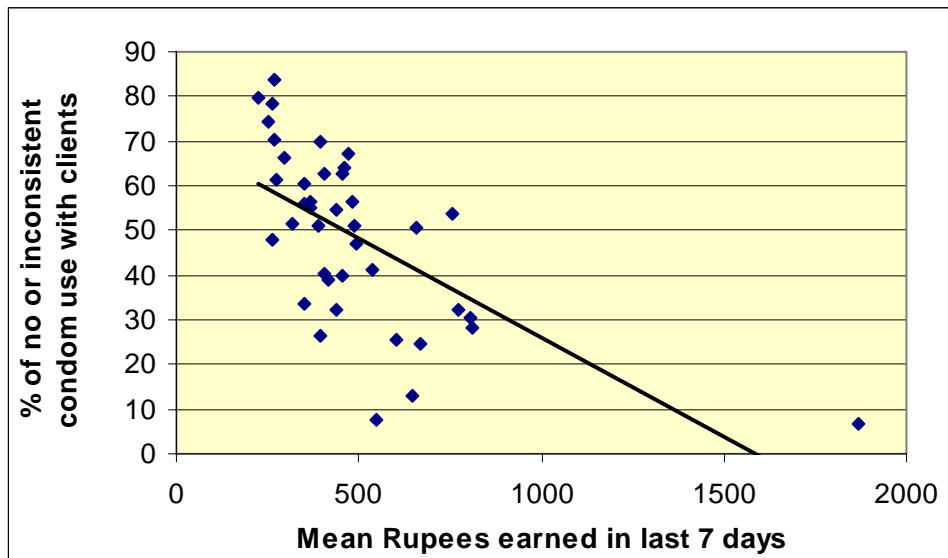
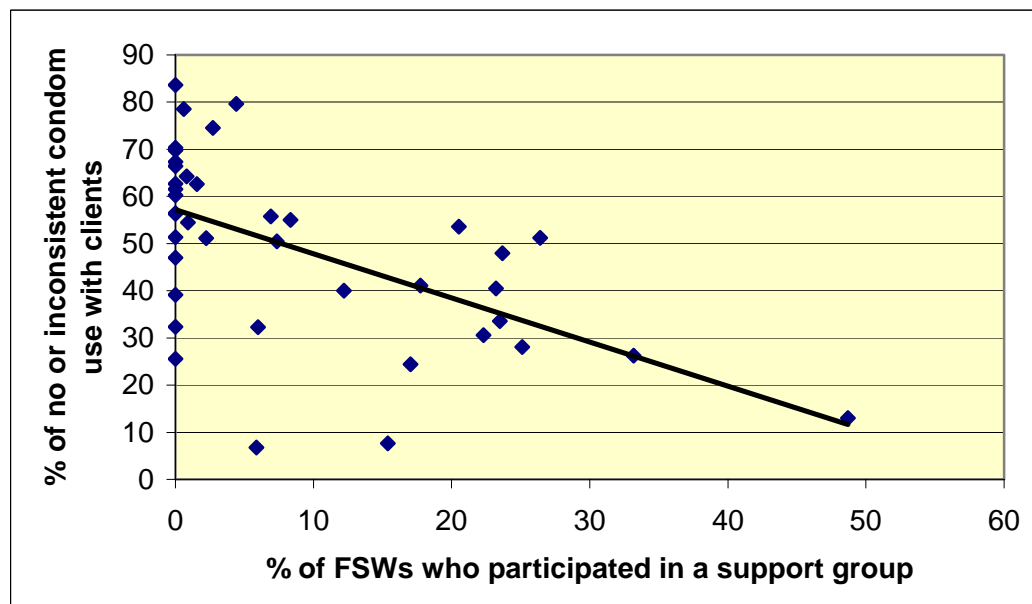
**Participation in FSW support group and use of condom**

Figure 11. Association between participation in FSW support group and no or inconsistent use of condom



Mean “count on” score and use of condom

Figure 12. Association between mean “count on” score and no or inconsistent use of condom

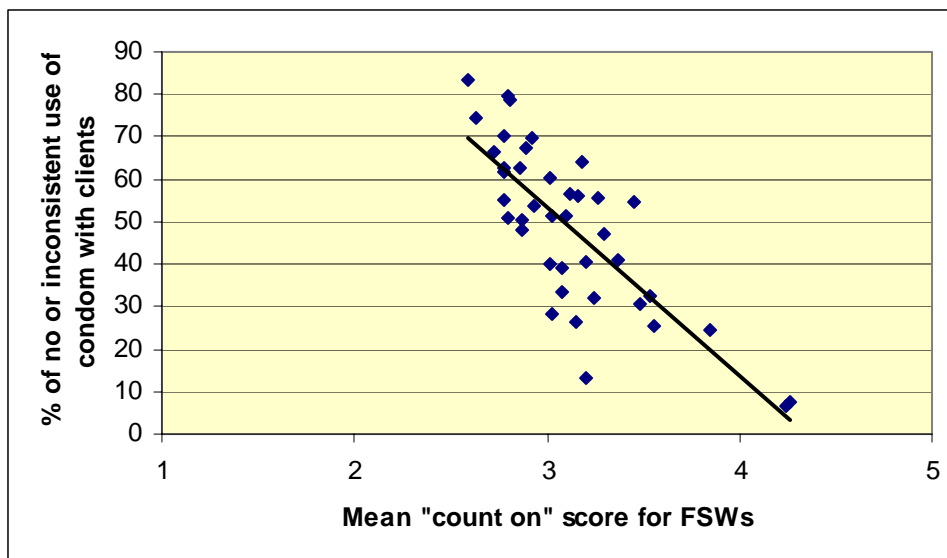
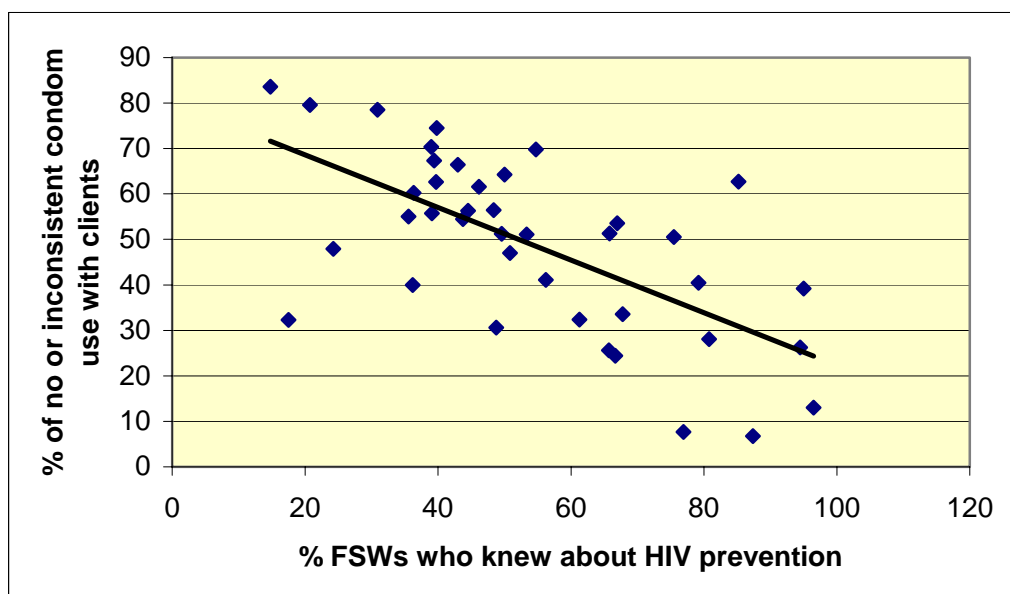
**Knowledge of HIV prevention and use of condom**

Figure 13. Association between knowledge of HIV prevention and no or inconsistent use of condom



Condom use by FSWs with their regular partner

Table 30. Distribution of FSWs who reported having a regular sex partner. This partner could be husband, lover or boyfriend.

Regular sex partner	Number of FSWs (%)
Yes, have regular sex partner	3,642 (54.8%)
No, does not have	3,006 (45.2%)
TOTAL	6,648 (100.0%)

Table 31. Distribution of use of condom in the last sexual encounter with the regular sex partner for the FSW who had penetrative sex with the regular sex partner (2,582).

Use of condom with regular sex partner in the last sex encounter	Number of FSWs (%)
No, not used	2,428 (94.0%)
Yes, used	142 (5.5%)
Do not remember	2 (0.1%)
Refused to answer	10 (0.3%)
TOTAL	2,582 (100.0%)

Identification of factors associated with no or inconsistent use of condom

In order to identify significant factors associated with no or inconsistent use of condom for penetrative vaginal/anal sex by FSWs with their clients, multiple logistic regression analysis was done. Data included in the multiple logistic regression models were for the FSWs who had penetrative vaginal/anal sex with at least one of their clients in the last 15 days and provided information on condom use. The steps followed for this analysis are summarised below.

The variables identified initially which could possibly be associated with no or inconsistent use of condom by FSWs with the clients were - type of FSW, age, education level, marital status of FSW, duration of sex work, number of paying clients in the last 7 days, income in the last 7 days, participation in FSW support group, “count-on” score, knowledge that HIV can be prevented, and rural-urban area where the FSW was sampled from. Seeking treatment for sexually transmitted infections (STI) was not included in this analysis because the number of FSWs who reported history of STI symptoms was 14%. If this variable were considered in the model, all the other FSWs who did not report STI (86%) would have been automatically excluded from the model, making it grossly erroneous. The “life skills scores” were not included in the model as the items covered under this in the questionnaire are mostly opinions, which would be difficult to interpret as being a direct explanatory variable for condom use.

Based on the results of the first run of the multiple logistic regression, one variable (duration of sex work) was not found to be significant ($p = 0.125$) in determining the outcome variable (condom use). This variable was excluded from the final model used, which included all the other variables. The results of this model are presented in Table 32 on the next page.

The possible interactions between some variables were assessed, and the interactions between the following variables were found significant in determining the outcome variable - age and marital status of FSW ($p = 0.019$), participation in FSW support group and count-on score ($p < 0.001$), knowledge that HIV can be prevented and education level of FSW ($p < 0.001$), and knowledge that HIV can be prevented and rural-urban area where the FSW was sampled from ($p < 0.001$).

Table 32. Association of select variables with no or inconsistent use of condom for penetrative vaginal/anal sex by female sex workers with their clients in multivariate analysis

Variable*	Variable categories†	Total who had penetrative sex with at least one client (6,128)‡	Number who reported no or inconsistent use of condom (%)	Odds of having no or inconsistent use of condom (95% CI)	Significance (p-value)
Knowledge that HIV can be prevented	Yes	3,321	840 (25.3%)	1.00 (Reference)	
	No	2,807	2,067 (73.6%)	6.42 (5.65-7.30)	<0.001
Participation in FSW support group	Yes	566	77 (13.6%)	1.00 (Reference)	
	No	5,561	2,829 (50.9%)	3.84 (2.91-5.07)	<0.001
Type of sex worker	Street-based	4,599	2,468 (53.7%)	3.79 (2.14-6.72)	<0.001
	Home-based	1,394	421 (30.2%)	2.31 (1.29-4.13)	0.005
	Brothel-based	135	18 (13.3%)	1.00 (Reference)	
Count-on score§	1.00 – 2.50	1,306	836 (64%)	2.78 (2.33-3.32)	<0.001
	2.51 – 3.50	2,518	1,387 (55.1%)	2.32 (2.01-2.69)	<0.001
	>3.50	2,304	684 (29.7%)	1.00 (Reference)	
Income in the last 7 days (Rupees)	>501	1,903	515 (27.1%)	1.00 (Reference)	
	251 - 500	1,929	946 (49%)	1.50 (1.26-1.79)	<0.001
	250 or less	2,295	1,445 (63%)	2.10 (1.71-2.56)	<0.001
Rural-urban area where the FSW was sampled from¶	Rural	1,345	544 (40.4%)	1.37 (1.13-1.65)	0.001
	Urban small	680	266 (39.1%)	0.98 (0.78-1.22)	0.831
	Urban medium	2,621	1,460 (50.2%)	1.79 (1.53-2.10)	<0.001
	Urban large	1,482	637 (43%)	1.00 (Reference)	
Age group (years)	16 - 24	2,292	875 (38.2%)	1.00 (Reference)	
	25 -34	3,034	1,533 (50.5%)	1.34 (1.16-1.55)	<0.001
	35 or more	802	499 (62.2%)	1.68 (1.35-2.08)	<0.001
Number of clients in last 7 days	7 or less	3,768	2,062 (54.7%)	1.26 (0.94-1.69)	0.130
	8 – 14	1,829	738 (40.3%)	1.36 (1.03-1.80)	0.032
	>=15	531	107 (20.2%)	1.00 (Reference)	
Marital status	Never married	1,072	257 (24%)	1.00 (Reference)	
	Currently married	2,483	1,327 (53.4%)	1.29 (1.04-1.60)	0.019
	Other#	2,573	1,323 (51.4%)	1.04 (0.84-1.30)	0.705
Education level of FSW	Illiterate	4,552	2,428 (53.3%)	1.20 (1.04-1.40)	0.015
	Literate	1,576	479 (30.4%)	1.00 (Reference)	

*Variables listed in descending order of effect on outcome variable.

†Some categories of variables combined based on initial iterations that showed similar values for outcome variable in order to increase the power of the analysis.

‡The total of sub-categories may not always be 6128 due to a few missing values.

§The count-on score for each respondent was averaged for the responses to the seven questions used for this score; this ranged from 1 to 5, with 1 indicating least social support and 5 indicating maximum social support; the three suggested categories indicate low, medium and high social support, respectively.

¶Urban small were towns with population <50,000; urban medium were towns/cities with population 50,001 – 200,000; urban large were cities with population more than 200,000; this classification was done based on Census of India data for each sub-site.

#Other includes separated, divorced and widowed.

Factors associated with no or inconsistent use of condom for each site

Table 33 starting on the next page shows the 40 sites in decreasing order of the rate of no or inconsistent condom use by FSWs, and the distribution of the factors in each site that were found to have a significant association with no or inconsistent condom by the overall multivariate analysis (Table 32).

The names of the sites in Table 33 show all the sub-sites in decreasing order of sampled FSWs for each of the site that had more than one sub-site. The following is the key used in Table 33 to suggest the highest and next level of priority.

Factor	Average for all sites combined	Level in a site that could suggest highest priority	Level in a site that could suggest next level of priority
Total number of FSW in the sample who reported penetrative vaginal/anal sex with at least one client in the last 2 weeks – 6,165			
FSWs who did not use condom for penetrative sex with at least one client	47.2%	>60%	40-60%
No knowledge that HIV can be prevented	46.1%	>60%	40-60%
No support group participation	90.8%	>80%	60-80%
Type of FSW - street-based	75.1%	>70%	40-70%
Type of FSW - home-based	22.7%	>50%	25-50%
Count on score >3.50	37.4%	<30%	30-40%
Count on score 1.00-2.50	21.3%	>30%	
Income in last 7 days (Rupees) >500	31.1%	<20%	20-40%
Rural-urban area where FSW was sampled from - rural	22.1%	>80%	60-80%
Rural-urban area where FSW was sampled from - urban medium	42.8%	>80%	60-80%
Age 25-34 years	49.5%	>50%	
Age >=35 years	13.1%	>15%	
Number of clients in last 7 days >=15	8.7%	<5%	
Marital status - married	40.6%	>50%	
Illiteracy	74.3%	>80%	

Table 33. Site-wise distribution of the 10 factors found to have a significant association with no or inconsistent use of condom (identified in previous table by multivariate analysis)

Table 33 – Part 1

Site Code	Name of the site	Number of FSW in the sample who reported penetrative vaginal/anal sex with at least one client in the last 2 weeks	Percent of FSW who did not use condom for penetrative sex with at least one client	<u>Factor 1</u> No knowledge that HIV can be prevented (%)	<u>Factor 2</u> No support group participation (%)	<u>Factor 3</u> Type of FSW (%)		
						Street-based	Home-based	Brothel-based
16	Godavarikhani-Ramagundam	122	83.6	85.2	100	95.9	4.1	0.0
36	Nalgonda	165	77.6	69.1	99.4	95.2	4.8	0.0
6	Kadapa	221	74.2	60.2	97.3	86.9	11.3	1.8
12	Kagaznagar-Wankidi	159	73.6	79.2	95.6	58.5	41.5	0.0
39	Tandoor	118	70.3	61.0	100	99.2	0.8	0.0
27	Mudigubba-Dharmavaram	53	69.8	45.3	100	86.8	5.7	7.5
28	Hindupur	142	66.9	60.6	100	100	0	0.0
2	Gooty-Guntakal	128	66.4	57.0	100	90.6	9.4	0.0
29	Chittoor	142	62.7	14.8	100	97.2	1.4	1.4
35	Miryalguda	117	61.5	53.8	100	96.6	3.4	0.0
32	Allagadda	194	61.3	60.3	98.5	80.4	17	2.6
19	Andole-Sangareddy	88	60.2	63.6	100	93.2	6.8	0.0
7	Adoni	248	56.5	51.6	100	16.9	81.5	1.6
33	Dhone	124	56.5	50.0	99.2	95.2	4.8	0.0
22	Armoor-Jakranpally	119	56.3	55.5	100	73.1	25.2	1.7
15	Metpally	174	55.7	60.9	93.1	79.9	16.1	4.0
17	Kothagudem-Bhadrachalam-Sarapaka-Manuguru	180	55.0	64.4	91.7	87.2	12.8	0.0
13	Jagatial	112	54.5	56.3	99.1	41.1	56.3	2.7

Site Code	Name of the site	Number of FSW in the sample who reported penetrative vaginal/anal sex with at least one client in the last 2 weeks	Percent of FSW who did not use condom for penetrative sex with at least one client	<u>Factor 1</u> No knowledge that HIV can be prevented (%)	<u>Factor 2</u> No support group participation (%)	<u>Factor 3</u> Type of FSW (%)		
						Street-based	Home-based	Brothel-based
1	Anantapur-Kalluru-Garladinne	112	53.6	33.0	79.5	62.5	28.6	8.9
37	Bodhan-Kotagiri	76	51.3	34.2	100	67.1	32.9	0.0
4	Srikalahasthi-Puttur	125	51.2	50.4	73.6	69.6	16	14.4
40	Kazipet	135	51.1	46.7	97.8	88.9	11.1	0.0
8	Kurnool	204	50.5	24.5	92.6	95.1	3.9	1.0
10	Bhainsa-Nirmal	169	47.9	75.7	76.3	72.2	27.8	0.0
9	Nandyal-Atmakur	185	47.0	49.2	100	69.7	24.9	5.4
25	Hyderabad	169	40.8	43.8	82.2	91.1	8.9	0.0
38	Kamareddy	168	40.5	20.8	76.8	72	26.8	1.2
18	Khammam	221	39.8	63.8	87.8	88.7	10	1.4
34	Ramachandrapuram-Patancheru	120	39.2	5.0	100	95.8	4.2	0.0
26	Nizamabad	149	33.6	32.2	76.5	99.3	0.7	0.0
11	Dharmapuri-Mancheryal-Ramakrishnapur	173	32.4	38.7	100	56.6	40.5	2.9
23	Saroornagar-Hayatnagar	251	32.3	82.5	94	98.4	1.6	0.0
3	Madanapally-Kalikiri	121	30.6	51.2	77.7	84.3	11.6	4.1
5	Tirupati	203	28.1	19.2	74.9	69.5	24.1	6.4
31	Rayachoti-Galiveedu-Lakkireddypally	217	26.3	5.5	66.8	81.6	18.4	0.0
14	Karimnagar-Sircilla-Vemulavada	172	25.6	34.3	100	50.6	48.8	0.6
20	Medak-Japthishivanoor-Ramayampet-Narsing	135	24.4	33.3	83	53.3	43	3.7
30	Nagari	115	13.0	3.5	51.3	97.4	2.6	0.0
21	Yadagirigutta-Aleru-Bhongir	117	7.7	23.1	84.6	8.5	78.6	12.8
24	Vangapahad-Hanmakonda-Hasanparthy-Siddapur	222	6.8	12.6	94.1	9	84.2	6.8

Table 33 – Part 2

Site Code	Name of the site	Percent of FSW who did not use condom for penetrative sex with at least one client	Factor 4 Count-on score (%)			Factor 5 Income in last 7 days (Rupees)			Factor 6 Rural-urban area from where FSW was sampled (%)			
			>3.50	2.51-3.50	1.00-2.50	>500	251-500	0-250	rural	urban small	urban medium	urban large
16	Godavarikhani-Ramagundam	83.6	13.1	59.8	27	6.6	31.1	62.3	0	0	0	100
36	Nalgonda	77.6	25.5	51.5	23	7.9	37.6	54.5	0	0	100	0
6	Kadapa	74.2	25.8	39.4	34.8	9.5	27.6	62.9	0	0	100	0
12	Kagaznagar-Wankidi	73.6	30.8	38.4	30.8	6.9	26.4	66.7	6.9	0	93.1	0
39	Tandoor	70.3	26.3	38.1	35.6	8.5	35.6	55.9	0	0	100	0
27	Mudigubba-Dharmavaram	69.8	22.6	56.6	20.8	17	52.8	30.2	56.6	0	43.4	0
28	Hindupur	66.9	26.1	47.2	26.8	23.2	31.0	45.8	0	0	100	0
2	Gooty-Guntakal	66.4	25.8	35.2	39.1	20.3	19.5	60.2	0	81.3	18.8	0
29	Chittoor	62.7	13.4	54.9	31.7	37.3	30.3	32.4	0	0	100	0
35	Miryalguda	61.5	24.8	48.7	26.5	6.8	38.5	54.7	0	0	100	0
32	Allagadda	61.3	25.3	49	25.8	26.3	29.9	43.8	100	0	0	0
19	Andole-Sangareddy	60.2	30.7	50	19.3	17	34.1	48.9	72.7	0	27.3	0
7	Adoni	56.5	30.6	56	13.3	32.7	40.3	27.0	0	0	100	0
33	Dhone	56.5	37.9	49.2	12.9	31.5	55.6	12.9	100	0	0	0
22	Armoor-Jakranpally	56.3	47.1	37.0	16.0	19.3	37.8	42.9	100	0	0	0
15	Metpally	55.7	39.1	46.6	14.4	16.1	29.3	54.6	100	0	0	0
17	Kothagudem-Bhadrachalam-Sarapaka-Manuguru	55.0	18.9	48.9	32.2	20	42.2	37.8	0	67.2	32.8	0
13	Jagatial	54.5	43.8	42.9	13.4	22.3	29.5	48.2	0	0	100	0

Site Code	Name of the site	Percent of FSW who did not use condom for penetrative sex with at least one client	<i>Factor 4</i> Social support score (%)			<i>Factor 5</i> Income in last 7 days (Rupees)			<i>Factor 6</i> Rural-urban area where FSW was sampled from (%)			
			>3.50	2.51-3.50	1.00-2.50	>500	251-500	0-250	rural	urban small	urban medium	urban large
1	Anantapur-Kalluru-Garladinne	53.6	30.4	51.8	17.9	57.1	31.3	11.6	11.6	0	0	88.4
37	Bodhan-Kotagiri	51.3	34.2	40.8	25.0	17.1	28.9	53.9	10.5	0	89.5	0
4	Srikalahasthi-Puttur	51.2	44.0	29.6	26.4	28.0	29.6	42.4	0	42.4	57.6	0
40	Kazipet	51.1	20.7	51.1	28.1	28.1	48.1	23.7	0	0	0	100
8	Kurnool	50.5	29.9	39.7	30.4	52.9	22.5	24.5	0	0	0	100
10	Bhainsa-Nirmal	47.9	27.8	43.8	28.4	8.9	34.3	56.8	0	59.8	40.2	0
9	Nandyal-Atmakur	47.0	45.4	41.1	13.5	31.4	37.3	31.4	29.2	0	70.8	0
25	Hyderabad	40.8	43.8	47.9	8.3	39.6	33.1	27.2	0	0	0	100
38	Kamareddy	40.5	38.1	47.0	14.9	25.6	38.1	36.3	0	0	100	0
18	Khammam	39.8	32.1	39.8	28.1	33.9	31.7	34.4	0	0	100	0
34	Ramachandrapuram-Patancheru	39.2	19.2	70.0	10.8	30.0	33.3	36.7	0	38.3	61.7	0
26	Nizamabad	33.6	36.9	38.3	24.8	19.5	30.2	50.3	0	0	0	100
11	Dharmapuri-Mancheryal-Ramakrishnapur	32.4	61.3	17.9	20.8	49.1	20.8	30.1	68.2	0	31.8	0
23	Saroornagar-Hayatnagar	32.3	43.0	37.1	19.9	27.5	32.3	40.2	0	0	0	100
3	Madanapally-Kalikiri	30.6	51.2	43.8	5.0	57	18.2	24.8	23.1	0	76.9	0
5	Tirupati	28.1	37.4	31.5	31.0	54.2	23.2	22.7	0	0	0	100
31	Rayachoti-Galiveedu-Lakkireddypally	26.3	30.9	49.3	19.8	23.5	31.8	44.7	52.5	0	47.5	0
14	Karimnagar-Sircilla-Vemulavada	25.6	54.1	32.0	14.0	47.4	33.3	19.3	8.7	0	15.7	75.6
20	Medak-Japthishivanoor-Ramayampet-Narsing	24.4	74.1	17.0	8.9	48.9	32.6	18.5	52.6	47.4	0	0
30	Nagari	13.0	39.1	33.0	27.8	52.2	27.8	20	0	100	0	0
21	Yadagirigutta-Aleru-Bhongir	7.7	82.9	14.5	2.6	47	29.9	23.1	22.2	65.0	12.8	0
24	Vangapahad-Hanmakonda-Hasanparthy-Siddapur	6.8	90.5	8.1	1.4	88.7	6.8	4.5	90.5	0	0	9.5

Table 33 – Part 3

Site Code	Name of the site	Percent of FSW who did not use condom for penetrative sex with at least one client	<i>Factor 7</i> Age (years) (%)			<i>Factor 8</i> Number of clients in last 7 days (%)			<i>Factor 9</i> Marital status (%)			<i>Factor 10</i> Illiteracy (%)
			16-24	25-34	>=35	0-7	8-14	>=15	Single	Married	Others	
16	Godavarikhani-Ramagundam	83.6	32.8	58.2	9.0	87.7	11.5	0.8	11.5	63.1	25.4	83.6
36	Nalgonda	77.6	41.2	51.5	7.3	57.6	38.2	4.2	8.5	39.4	52.1	84.8
6	Kadapa	74.2	32.1	52.0	15.8	73.3	24.4	2.3	14.5	25.8	59.7	85.5
12	Kagaznagar-Wankidi	73.6	28.3	50.3	21.4	83.6	16.4	0	10.1	44.7	45.3	86.8
39	Tandoor	70.3	39.8	48.3	11.9	75.4	24.6	0	8.5	39	52.5	80.5
27	Mudigubba-Dharmavaram	69.8	15.1	64.2	20.8	56.6	37.7	5.7	5.7	43.4	50.9	84.9
28	Hindupur	66.9	38.7	46.5	14.8	52.1	41.5	6.3	14.1	40.8	45.1	76.1
2	Gooty-Guntakal	66.4	29.7	51.6	18.8	61.7	29.7	8.6	18.8	27.3	53.9	69.5
29	Chittoor	62.7	25.4	55.6	19.0	70.4	26.1	3.5	11.3	46.5	42.3	64.1
35	Miryalguda	61.5	39.3	56.4	4.3	83.8	15.4	0.9	2.6	41.9	55.6	81.2
32	Allagadda	61.3	40.2	46.4	13.4	45.9	42.8	11.3	6.2	55.7	38.1	56.2
19	Andole-Sangareddy	60.2	40.9	43.2	15.9	67	29.5	3.4	8	44.3	47.7	83
7	Adoni	56.5	37.5	46.8	15.7	72.2	25.4	2.4	14.5	39.9	45.6	70.6
33	Dhone	56.5	47.6	44.4	8.1	34.7	53.2	12.1	9.7	55.6	34.7	70.2
22	Armoor-Jakranpally	56.3	37.8	52.9	9.2	68.1	27.7	4.2	26.9	44.5	28.6	75.6
15	Metpally	55.7	42.5	41.4	16.1	89.7	9.2	1.1	0.6	60.9	38.5	85.6
17	Kothagudem-Bhadrachalam-Sarapaka-Manuguru	55.0	38.9	50.0	11.1	75	22.2	2.8	17.8	47.8	34.4	71.1
13	Jagatial	54.5	42.0	46.4	11.6	77.7	15.2	7.1	22.3	50.9	26.8	72.3

Site Code	Name of the site	Percent of FSW who did not use condom for penetrative sex with at least one client	<u>Factor 7</u> Age (years) (%)			<u>Factor 8</u> Number of clients in last 7 days (%)			<u>Factor 9</u> Marital status (%)			<u>Factor 10</u> Illiteracy (%)
			16-24	25-34	>=35	0-7	8-14	>=15	Single	Married	Others	
1	Anantapur-Kalluru-Garladinne	53.6	20.5	65.2	14.3	38.4	44.6	17	11.6	40.2	48.2	55.4
37	Bodhan-Kotagiri	51.3	25.0	53.9	21.1	68.4	30.3	1.3	11.8	26.3	61.8	80.3
4	Srikalahasthi-Puttur	51.2	32.0	52.8	15.2	65.6	28	6.4	11.2	25.6	63.2	68.8
40	Kazipet	51.1	25.2	57.0	17.8	50.4	41.5	8.1	11.1	57	31.9	77.8
8	Kurnool	50.5	27.9	61.3	10.8	40.7	46.6	12.7	11.8	37.3	51	76
10	Bhainsa-Nirmal	47.9	30.8	56.8	12.4	80.5	19.5	0	8.9	39.6	51.5	83.4
9	Nandyal-Atmakur	47.0	36.8	47.6	15.7	62.2	34.1	3.8	16.2	37.8	45.9	64.9
25	Hyderabad	40.8	41.4	47.3	11.2	75.1	21.3	3.6	4.1	51.5	44.4	76.9
38	Kamareddy	40.5	35.7	45.2	19.0	61.3	33.3	5.4	15.5	38.7	45.8	81.5
18	Khammam	39.8	24.9	51.1	24	74.7	19.9	5.4	4.5	41.6	53.8	85.5
34	Ramachandrapuram-Patancheru	39.2	31.7	60.8	7.5	76.7	22.5	0.8	8.3	46.7	45	70
26	Nizamabad	33.6	41.6	48.3	10.1	83.2	16.1	0.7	10.1	52.3	37.6	65.8
11	Dharmapuri-Mancheryal-Ramakrishnapur	32.4	47.4	45.7	6.9	48.6	33.5	17.9	41	31.8	27.2	84.4
23	Saroornagar-Hayatnagar	32.3	34.3	49.4	16.3	70.9	25.1	4	0.4	58.2	41.4	95.2
3	Madanapally-Kalikiri	30.6	33.1	62	5	35.5	43	21.5	19	33.9	47.1	76.9
5	Tirupati	28.1	31	53.7	15.3	59.6	29.1	11.3	19.7	29.6	50.7	56.7
31	Rayachoti-Galiveedu-Lakkireddypally	26.3	27.2	57.6	15.2	69.1	24.4	6.5	6.9	48.4	44.7	69.6
14	Karimnagar-Sircilla-Vemulavada	25.6	44.2	45.9	9.9	40.1	36	23.8	45.9	31.4	22.7	84.9
20	Medak-Japthishivanoor-Ramayampet-Narsing	24.4	58.5	37	4.4	34.8	36.3	28.9	38.5	33.3	28.1	75.6
30	Nagari	13.0	33.9	48.7	17.4	26.1	43.5	30.4	15.7	34.8	49.6	46.1
21	Yadagirigutta-Aleru-Bhongir	7.7	58.1	35	6.8	44.4	30.8	24.8	77.8	8.5	13.7	76.1
24	Vangapahad-Hanmakonda-Hasanparthy-Siddapur	6.8	80.6	16.7	2.7	13.5	50	36.5	84.2	8.1	7.7	43.2

Biomarkers***Herpes simplex virus -2***

Site Name	Number of FSW	Number HSV +ve	% HSV +ve
Ananthapur	125	69	55.2
Gooty	142	73	51.4
Madanapally	125	45	36.0
Sri Kalahasthi	137	114	83.2
Tirupathi	221	52	23.5
Cuddapah	242	126	52.1
Adoni	270	194	71.9
Kurnool	225	156	69.3
Nandyal	200	99	49.5
Nirmal	175	74	42.3
Mancherial	175	59	33.7
Wankidi	175	134	76.6
Jagtial	130	70	53.8
Karimnagar	175	111	63.4
Metpally	200	82	41.0
Ramagundam	135	25	18.5
Bhadrachalam	201	82	40.8
Khammam	246	159	64.6
Andole	94	87	92.6
Ramayampet	140	59	42.1
Yadagirigutta	126	88	69.8
Armoor	135	77	57.0
Hayatnagar	275	129	46.9
Hasanparthy	229	118	51.5
Hyderabad	175	70	40.0
Nizamabad	175	114	65.1
Dharmavaram	57	4	7.0
Hindupur	150	13	8.7
Chittoor	150	3	2.0
Nagari	130	48	36.9
Lakki Reddy Pally	229	2	0.9
Allagadda	198	1	0.5
Dhone	130	6	4.6
Ramachandrapuram	125	5	4.0
Miryalaguda	130	27	20.8
Nalgonda	175	95	54.0
Bhodan	80	2	2.5
Kamareddy	175	33	18.9
Tandoor	130	14	10.8
Kazipet	140	2	1.4
Total	6647	2721	40.9

Syphilis

Site Name	Number of FSW	Number syphilis +ve	% Syphilis +ve
Ananthapur	125	21	16.8
Gooty	142	24	16.9
Madanapally	125	15	12.0
Sri Kalahasthi	137	40	29.2
Tirupathi	221	16	7.2
Cuddapah	242	36	14.9
Adoni	270	98	36.3
Kurnool	225	53	23.6
Nandyal	200	31	15.5
Nirmal	175	17	9.7
Mancherial	175	39	22.3
Wankidi	175	22	12.6
Jagtial	130	24	18.5
Karimnagar	175	36	20.6
Metpally	200	38	19.0
Ramagundam	135	40	29.6
Bhadrachalam	201	42	20.9
Khammam	246	45	18.3
Andole	94	58	61.7
Ramayampet	140	31	22.1
Yadagirigutta	126	63	50.0
Armoor	135	30	22.2
Hayatnagar	275	64	23.3
Hasanparthy	229	49	21.4
Hyderabad	175	37	21.1
Nizamabad	175	47	26.9
Dharmavaram	57	5	8.8
Hindupur	150	9	6.0
Chittoor	150	20	13.3
Nagari	130	22	16.9
Lakki Reddy Pally	229	6	2.6
Allagadda	198	14	7.1
Dhone	130	9	6.9
Ramachandrapuram	125	1	0.8
Miryalaguda	130	16	12.3
Nalgonda	175	16	9.1
Bhodan	80	8	10.0
Kamareddy	175	18	10.3
Tandoor	130	8	6.2
Kazipet	140	2	1.4
Total	6647	1170	17.6

Chlamydia

Site Name	Number of FSW	Number CT +ve	% CT +ve
Ananthapur	125	6	4.8
Gooty	142	0	0.0
Madanapally	125	0	0.0
Sri Kalahasthi	137	1	0.7
Tirupathi	221	0	0.0
Cuddapah	242	3	1.2
Adoni	270	0	0.0
Kurnool	225	14	6.2
Nandyal	200	6	3.0
Nirmal	175	7	4.0
Mancherial	175	1	0.6
Wankidi	175	4	2.3
Jagtial	130	0	0.0
Karimnagar	175	7	4.0
Metpally	200	7	3.5
Ramagundam	135	0	0.0
Bhadrachalam	201	14	7.0
Khammam	246	13	5.3
Andole	94	10	10.6
Ramayampet	140	0	0.0
Yadagirigutta	126	4	3.2
Armoor	135	0	0.0
Hayatnagar	275	36	13.1
Hasanparthy	229	4	1.7
Hyderabad	175	25	14.3
Nizamabad	175	12	6.9
Dharmavaram	57	0	0.0
Hindupur	150	3	2.0
Chittoor	150	0	0.0
Nagari	130	0	0.0
Lakki Reddy Pally	229	0	0.0
Allagadda	198	2	1.0
Dhone	130	0	0.0
Ramachandrapuram	125	0	0.0
Miryalaguda	130	0	0.0
Nalgonda	175	7	4.0
Bhodan	80	9	11.3
Kamareddy	175	2	1.1
Tandoor	130	0	0.0
Kazipet	140	0	0.0
Total	6647	197	3.0

RESULTS – Men who have sex with men

Demographic details

A total of 7,275 MSM were requested to participate in the study, of which 6,661 (91.6%) participated. Of the MSM who participated, 3,059 (45.9%) identified themselves as *kothi*, 2,879 (43.2%) as *panthi*, and 723 (10.9%) as *double-decker*.

Various demographic details of MSM are presented for the three different types MSM for all the sites combined in this section. Data for each site are presented in Table 66 and Annexure 2.

Age distribution

3,817 (57.3%) of MSM were between the ages of 20 and 29 years. The mean age of MSM was 28.1 years.

Table 34. Distribution of the age for the different types of MSM

Age group (years)	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
16-19	211 (6.9%)	205 (7.1%)	54 (7.5%)	470 (7.1%)
20-24	844 (27.6%)	819 (28.4%)	182 (25.2%)	1,845 (27.7%)
25-29	839 (27.4%)	929 (32.3%)	204 (28.2%)	1,972 (29.6%)
30-34	493 (16.1%)	472 (16.4%)	126 (17.4%)	1,091 (16.4%)
35-39	335 (11.0%)	278 (9.7%)	79 (10.9%)	692 (10.4%)
40-44	193 (6.3%)	113 (3.9%)	45 (6.2%)	351 (5.3%)
45 or more	144 (4.7%)	63 (2.2%)	33 (4.6%)	240 (3.6%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Marital status with female

Overall, slightly less than half of the MSM were married to a female. The proportion of MSM who were not married to a female was highest among *kothis*.

Table 35. Distribution of marital status for the different types of MSM

Marital status with female	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Unmarried	1,986 (64.9%)	1,213 (42.1%)	279 (38.6%)	3,478 (52.2%)
Currently married	825 (27.0%)	1562 (54.3%)	398 (55.0%)	2,785 (41.8%)
Others	248 (8.1%)	102 (3.5%)	46 (6.4%)	396 (5.9%)
Refused to answer		1 (.0%)		1 (.0%)
TOTAL	3,059 (100.0%)	2,878 (100.0%)	723 (100.0%)	6,660 (100.0%)

Living with a male sex partner

6.1% of MSM reported that they were currently living with a male sex partner.

Table 36. Distribution of living with male sex partner for the different types of MSM

Living with a male sex partner	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
No	2,754 (90.0%)	2,805 (97.4%)	690 (95.4%)	6,249 (93.8%)
Yes	303 (9.9%)	73 (2.5%)	33 (4.6%)	409 (6.1%)
Refused to answer	2 (.1%)	1 (.0%)		3 (.0%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Table 37. Distribution of MSM living with a male sex partner versus marital status of MSM with female.

Marital status with female	Living with a male sex partner			
	Yes Number (%)	No Number (%)	Refused to answer Number (%)	Total Number (%)
Unmarried	304 (74.3%)	3,172 (50.8%)	2 (66.7%)	3,478 (52.2%)
Currently married	60 (14.7%)	2,724 (43.6%)	1 (33.3%)	2,785 (41.8%)
Separated	30 (7.3%)	242 (3.9%)		272 (4.1%)
Divorced	8 (2.0%)	32 (.5%)		40 (.6%)
Widowed	7 (1.7%)	77 (1.2%)		84 (1.3%)
Refused to answer		1 (.0%)		1 (.0%)
TOTAL	409 (100.0%)	6,248 (100.0%)	3 (100.0%)	6,660 (100.0%)

Religion and caste

Most of the MSM belonged to Hindu religion (81.8%). Most of the MSM belonging to religion other than Hinduism did not have a caste. The majority of MSM belonged to backward caste or scheduled caste/tribe.

Table 38. Distribution of religion for the different types of MSM

Religion	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Hindu	2,661 (87.0%)	2,189 (76.0%)	600 (83.0%)	5,450 (81.8%)
Muslim	333 (10.9%)	626 (21.7%)	108 (14.9%)	1,067 (16.0%)
Christian	62 (2.0%)	54 (1.9%)	12 (1.7%)	128 (1.9%)
Sikh	2 (.1%)	5 (.2%)	3 (.4%)	10 (.2%)
Others	1 (.0%)	5 (.2%)		6 (.1%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Table 39. Distribution of caste for the different types of MSM

Caste	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Forward caste	385 (12.6%)	522 (18.1%)	140 (19.4%)	1,047 (15.7%)
Backward caste	1,343 (43.9%)	1,208 (42.0%)	329 (45.5%)	2,880 (43.2%)
Scheduled caste	885 (28.9%)	618 (21.5%)	140 (19.4%)	1,643 (24.7%)
Scheduled tribe	154 (5.0%)	106 (3.7%)	45 (6.2%)	305 (4.6%)
Not applicable	291 (9.5%)	421 (14.6%)	69 (9.5%)	781 (11.7%)
Refused to answer	1 (0.0%)	4 (0.1%)		5 (0.1%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Schooling

2,053 (30.8%) of the MSM had no or non-formal schooling. This proportion was highest among *kothis*.

Table 40. Distribution of schooling for the different types of MSM

Schooling category	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Never been to school	905 (29.6%)	583 (20.3%)	133 (18.4%)	1,621 (24.3%)
Non-formal education	221 (7.2%)	179 (6.2%)	32 (4.4%)	432 (6.5%)
Classes 1 to 5	710 (23.2%)	592 (20.6%)	147 (20.3%)	1,449 (21.8%)
Classes 6 and 7	452 (14.8%)	609 (21.2%)	115 (15.9%)	1,176 (17.7%)
Classes 8 to 10	495 (16.2%)	616 (21.4%)	156 (21.6%)	1,267 (19.0%)
Classes 11 and 12	173 (5.7%)	192 (6.7%)	82 (11.3%)	447 (6.7%)
Technical school after class 10	8 (0.3%)	13 (0.5%)	5 (0.7%)	26 (0.4%)
Undergraduate college or higher	95 (3.1%)	95 (3.3%)	53 (7.3%)	243 (3.6%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Number of children

41.5% of MSM had children. Among the MSM who had children, the mean number of children were 2.1. The proportion with no child was highest among *kothis*.

Table 41. Distribution of number of children for the different types of MSM

Number of children	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double- decker Number (%)	Total Number (%)
No child	2,192 (71.7%)	1,386 (48.1%)	322 (44.5%)	3,900 (58.5%)
1 - 2	641 (21.0%)	1,069 (37.1%)	309 (42.7%)	2,019 (30.3%)
3 – 5	217 (7.1%)	418 (14.5%)	90 (12.4%)	725 (10.9%)
More than 5	9 (0.3%)	6 (0.2%)	2 (0.3%)	17 (0.3%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Work characteristics

An overview of the work characteristics for the entire sample of MSM is provided in this section. Data for each site are presented in Table 66 and Annexure 2.

Primary occupation

Primary occupation was defined as “the occupational activity in which the respondent spent majority of his time”. Of all the MSM who participated, 2,954 (44.3%) were unskilled non-farm labourers, and 223 (3.5%) mentioned sex work as their primary occupation.

Table 42. Distribution of primary occupation of MSM for the different types of MSM

Primary occupation	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Professional	31 (1.0%)	18 (0.6%)	24 (3.3%)	73 (1.1%)
Semi-skilled	256 (8.4%)	1,099 (38.2%)	151 (20.9%)	1,506 (22.6%)
Unskilled-farm	184 (6.0%)	128 (4.4%)	35 (4.8%)	347 (5.2%)
Unskilled-non farm	1,558 (50.9%)	1,070 (37.2%)	326 (45.1%)	2,954 (44.3%)
Business	476 (15.6%)	407 (14.1%)	114 (15.8%)	997 (15.0%)
Student	79 (2.6%)	103 (3.6%)	45 (6.2%)	227 (3.4%)
Sex work	230 (7.5%)	1 (0.1%)	2 (0.3%)	233 (3.5%)
Home duties	8 (0.3%)	2 (0.1%)	1 (0.1%)	11 (0.2%)
Retired	2 (0.1%)		2 (0.3%)	4 (0.1%)
Unemployed	55 (1.8%)	44 (1.5%)	19 (2.6%)	118 (1.8%)
Other	180 (5.9%)	7 (0.2%)	4 (0.6%)	191 (2.9%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Sex work as occupation

All the respondents were also asked if they were involved in more than one occupation. 609 (9.1%) of MSM responded that they had sex work as their primary or secondary occupation.

Table 43. Distribution of sex work as occupation for the different types of MSM

Sex work as occupation	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Yes	558 (18.2%)	11 (0.4%)	40 (5.5%)	609 (9.1%)
No	2,501 (81.8%)	2,868 (99.6%)	683 (94.5%)	6,052 (90.9%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Income in the last 7 days

Of all the MSM who participated, only 254 (3.8%) reported income more than Rs. 1,000 in the last 7 days. A relatively higher proportion of *kothis* were in the lower income groups as compared with others.

Table 44. Distribution of income in the last 7 days for the different types of MSM

Income in the last 7 days (Rupees)	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Above 1,000	88 (2.9%)	131 (4.6%)	35 (4.8%)	254 (3.8%)
501 – 1,000	667 (21.8%)	942 (32.7%)	220 (30.4%)	1,829 (27.5%)
251 - 500	1,416 (46.3%)	1,223 (42.5%)	293 (40.5%)	2,932 (44.0%)
0-251 & did not work in last 7 days	762 (24.9%)	440 (15.3%)	114 (15.8%)	1,316 (19.8%)
Do not earn	124 (4.1%)	142 (4.9%)	61 (8.4%)	327 (4.9%)
Refused to answer	1 (0.0%)	1 (0.0%)		2 (0.0%)
TOTAL	3,058 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,660 (100.0%)

Social support

An overview of the social support for the entire sample of MSM is provided in this section. Data for each site are presented in Table 66 and Annexure 2.

Participation in any social activity

Majority of the MSM reported participating in social activities within the last 6 months. These included activities such as visiting a place of worship, attending functions related to festivals and marriages, and meetings.

Table 45. Distribution of participation in social activities for the different types of MSM

Participation in any social activity	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Yes	2,641 (86.3%)	2,675 (92.9%)	651 (90.0%)	5,967 (89.6%)
No	418 (13.7%)	207 (7.1%)	72 (10.0%)	694 (10.4%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Experience of problems in family because of sexual orientation

Overall, 13% MSM reported experiencing problems in their families because of their sexual orientation. A relatively higher proportion of *kothis* (25.1%) reported these problems as compared with others. Overall, 52.7% MSM reported that their families were not aware of their sexual orientation; this proportion was relatively less for *kothis*.

Table 46. Distribution of experience of problems in family because of sexual orientation for the different types of MSM

Problem in family due to sexual orientation	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Yes	769 (25.1%)	73 (2.5%)	26 (3.6%)	868 (13.0%)
No	1,054 (34.5%)	998 (34.7%)	218 (30.2%)	2,270 (34.1%)
Not aware of my behaviour	1,230 (40.2%)	1,806 (62.7%)	477 (66.0%)	3,513 (52.7%)
Others	6 (0.2%)	2 (0.1%)	2 (0.3%)	10 (0.2%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Experience of problems in community because of sexual orientation

The proportion of MSM who reported experiencing problems in the community because of their sexual orientation was also higher among *kothis* as compared with others.

Table 47. Distribution of experience of problems in community because of sexual orientation for the different types of MSM

Problem in community due to sexual orientation	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Yes	782 (25.6%)	93 (3.2%)	63 (8.7%)	938 (14.1%)
No	1,704 (55.7%)	1,772 (61.5%)	426 (58.9%)	3,902 (58.6%)
Not aware of my behaviour	573 (18.7%)	1,013 (35.2%)	234 (32.4%)	1,820 (27.3%)
Others		1 (0.0%)		1 (0.0%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Harassment for having sex with a male

580 (8.7%) of the MSM reported being ever harassed for having sex with a male, and the proportion of those harassed was higher among *kothis* as compared with others. Of all the MSM who reported harassment ever, 434 (74.8%) reported that this harassment was within the last 3 months. 179 (41.2%) of them reported having sought support for harassment.

Table 48. Distribution of harassment for having sex with a male for the different types of MSM

Harassed for having sex with a male	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Yes	466 (15.2%)	63 (2.2%)	51 (7.1%)	580 (8.7%)
No	2,593 (84.8%)	2,815 (97.8%)	672 (92.9%)	6,080 (91.3%)
Refused to answer		1 (0.0%)		1 (0.0%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Count-on scores

The count-on score for each MSM was averaged for the responses to the five questions used for this score, which covered if the respondent could count on someone for money, going to doctor, talking about problems, food or place to stay, and abuse. The average count-on score ranged from 1 to 5, with 1 indicating least social support and 5 indicating maximum social support. The three suggested categories in the Table below indicate low, medium and high social support, respectively. A relatively higher proportion of *kothis* reported low-medium scores as compared with others.

Table 49. Distribution of the mean count on scores for the different types of MSM

Mean count on scores	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
1 – 2.50	440 (14.4%)	169 (5.9%)	42 (5.8%)	651 (9.8%)
2.51 – 3.50	990 (32.4%)	830 (28.8%)	181 (25.0%)	2,001 (30.0%)
> 3.50	1,627 (53.2%)	1,880 (65.3%)	500 (69.2%)	4,007 (60.2%)
TOTAL	3,057 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,659 (100.0%)

Life skills scores

The life skills scores for each MSM was averaged for the responses to the seven questions used for this score, which covered issues related to respondent's control over decisions affecting his life, condom use with sex partners and other MSM issues, and HIV services. The average life skill score ranged from 1 to 5, with 1 indicating least life skills score and 5 indicating maximum life skills score. The three suggested categories in the Table below indicate low, medium and high life skills scores, respectively.

Table 50. Distribution of the mean life skills scores for the different types of MSM

Mean life skills scores	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
1 – 2.50	912 (29.8%)	992 (34.5%)	182 (25.3%)	2,086 (31.4%)
2.51 – 3.50	938 (30.7%)	885 (30.8%)	214 (29.7%)	2,037 (30.6%)
> 3.50	1,206 (39.5%)	998 (34.7%)	324 (45.0%)	2,528 (38.0%)
TOTAL	3,056 (100.0%)	2,875 (100.0%)	720 (100.0%)	6,651 (100.0%)

HIV awareness and knowledge

This section describes the various aspects of HIV/AIDS awareness for MSM, and the data for each site are presented in Table 66 and Annexure 2.

Awareness of HIV/AIDS and that it is preventable

85.5% of the MSM had heard of HIV/AIDS of whom 73.5% responded that HIV was preventable (columns B and C in the table below). This knowledge that HIV was preventable was not very different for the three types of MSM.

Among all the MSM who participated, only 62.8% responded that HIV was preventable (column D in the table below).

Table 51. Distribution among MSM of awareness of HIV/AIDS and of knowledge that HIV was preventable

	A	B	C	D
Type of MSM	Number of MSM	Number who were aware of HIV/AIDS (% of column A)	Number who responded HIV/AIDS was preventable among those who were aware (% of column B)	Number who responded HIV/AIDS was preventable (% of column A)
All	6,661	5,692 (85.5%)	4,185 (73.5%)	4,185 (62.8%)
Kothi	3,059	2,528 (82.6%)	1,806 (71.4%)	1,806 (59.0%)
Panthi	2,879	2,499 (86.8%)	1,849 (73.9%)	1,849 (64.2%)
Double-decker	723	665 (91.9%)	530 (79.9%)	530 (73.3%)

Figure 14 on the next page shows the distribution of the proportion of MSM in the 40 sites who responded that HIV could be prevented.

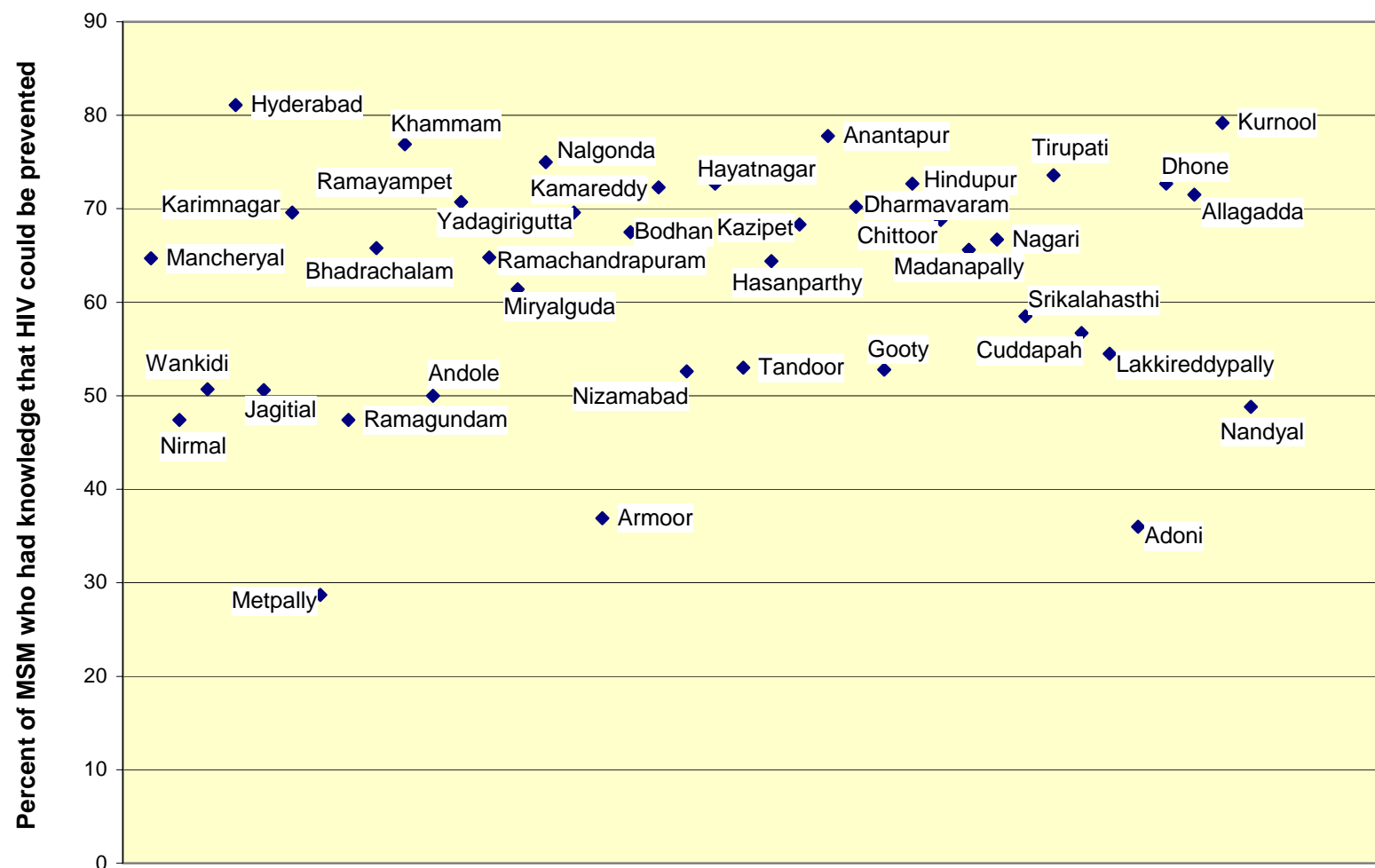
Knowledge of preventive methods for HIV

The 4,185 MSM who knew that HIV/AIDS was preventable were asked to list the preventive methods for HIV that they were aware of. All the responses were documented. The vast majority of these 4,185 MSM were aware that use of condom could prevent HIV infection.

Table 52. Distribution of the preventive methods for HIV/AIDS cited by MSM who knew that HIV/AIDS could be prevented (4,185). The distribution is not mutually exclusive.

Preventive method for HIV/AIDS	Number of MSM (%)
Using a condom	4,103 (98.0%)
Avoiding sex with HIV infected person	812 (19.4%)
Having oral sex	237 (5.7%)
Doing non-penetrative sex	215 (5.1%)

Figure 14. Distribution of the proportion of MSM in the 40 sites who responded that HIV could be prevented.



Sources of information on HIV/AIDS

The 4,185 MSM who knew that HIV/AIDS was preventable were asked the source(s) of their information on HIV/AIDS. Media, posters/banners, and another MSM were cited as the major sources of information by the MSM.

*Table 53. Distribution of source of information about HIV/AIDS being preventable.
The distribution is not mutually exclusive.*

Source of information on HIV prevention	Number of MSM (%)
Newspaper / radio / TV	3,521 (84.1%)
Poster or banner	2,145 (51.3%)
Another MSM	1,802 (43.1%)
Others	1,152 (27.5%)
Government hospital	820 (19.6%)
NGO	463 (11.1%)

HIV test

The 5,692 MSM who were aware of HIV/AIDS were asked if they had undergone test for HIV, and 6.4% reported that they had. The participants were not asked about the result of HIV test.

Table 54. Distribution of HIV test for MSM who were aware of HIV/AIDS (5,692)

Ever had HIV test?	Among those MSM who were aware of HIV/AIDS (% of 5,692)
Yes	364 (6.4%)
No	5,283 (92.8%)
Do not know	45 (0.8%)
TOTAL	5,692 (100.0%)

Knowledge about HIV testing facility

The 5,372 MSM who were aware of HIV/AIDS were asked if they knew where one could go for getting HIV test done. All the responses given were documented.

Table 55. Distribution of knowledge about HIV test facilities among MSM who were aware of HIV/AIDS (5,692). The distribution is not mutually exclusive.

Testing facilities for HIV	Number (% of 5,692)
Government hospital or clinic*	3,722 (65.4%)
Private hospital or clinic	2,502 (44.0%)
Private diagnostic centre	606 (10.6%)
NGO	95 (1.7%)
Do not know	1,659 (29.1%)

**VCTC is included in this category, but was mentioned specifically only by 115 (2.0%)*

Treatment seeking behaviour for STI

This section gives overview data on self-reported STI symptoms and treatment seeking behaviour for MSM. Data for each site are presented in Annexure 2.

Self-reported history of STI

A total of 842 (12.6%) MSM reported history of STI symptoms ever. Of these MSM, 541 (64.3%) reported STI symptoms within the last one year from the interview.

Table 56. Distribution of self-reported history of STI ever for the different types of MSM

Self-reported history of STI ever	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Yes	411 (13.4%)	330 (11.5%)	101 (14.0%)	842 (12.6%)
No	2,648 (86.6%)	2,549 (88.5%)	622 (86.0%)	5,819 (87.4%)
TOTAL	3,059 (100.0%)	2,879 (100.0%)	723 (100.0%)	6,661 (100.0%)

Treatment sought for STI symptoms

Of the 842 MSM who had reported STI symptoms ever, majority of them had sought treatment for these symptoms.

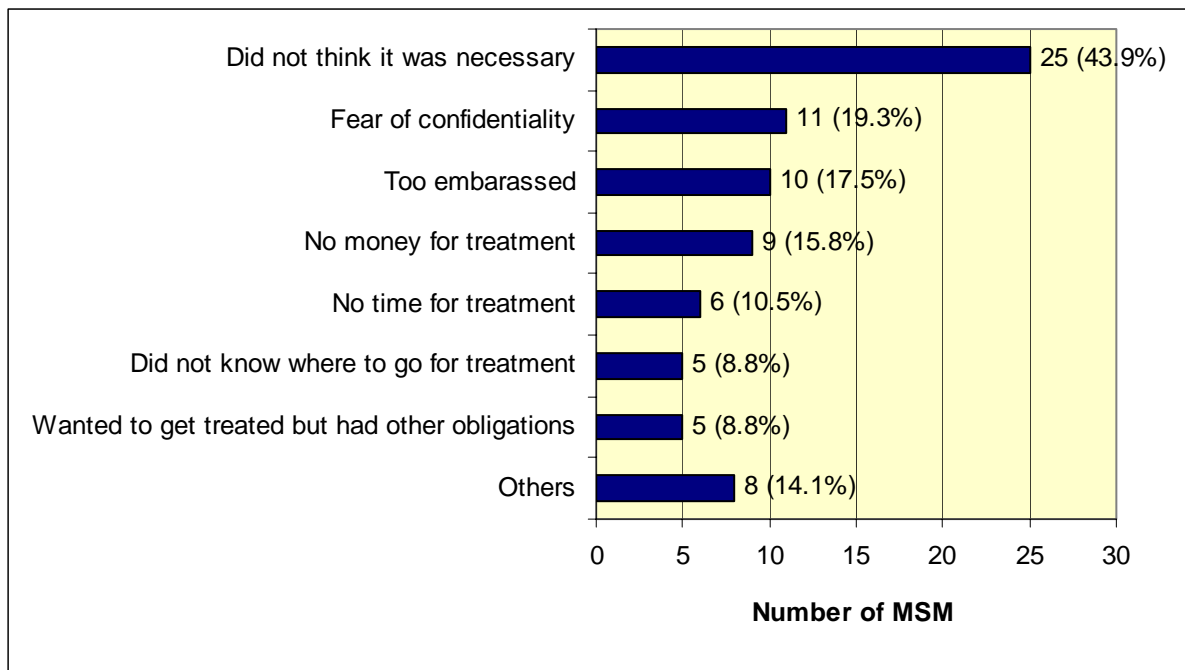
Table 57. Distribution of treatment seeking for STI for the different types of MSM

Sought treatment for STI symptoms	Type of MSM			
	Kothi Number (%)	Panthi Number (%)	Double-decker Number (%)	Total Number (%)
Yes	378 (92.2%)	305 (92.4%)	85 (84.2%)	768 (91.3%)
No	32 (7.8%)	25 (7.6%)	16 (15.8%)	73 (8.7%)
TOTAL	410 (100.0%)	330 (100.0%)	101 (100.0%)	841 (100.0%)

Reasons for not seeking treatment

The reasons for not seeking treatment for STI are shown in Figure 15. These reasons were not prompted to the respondent, and the distribution is *not mutually exclusive*.

Figure 15.



Use of condom

This section describes the use of condom by MSM. Data for each site are presented in Annexure 2.

Use of condom ever

67.2% of the MSM reported ever use of condom. Among the different types of MSM, 66.3%, 66.4% and 73.6% of the *kothi*, *panthi* and *double-decker MSM* reported using condom ever, respectively.

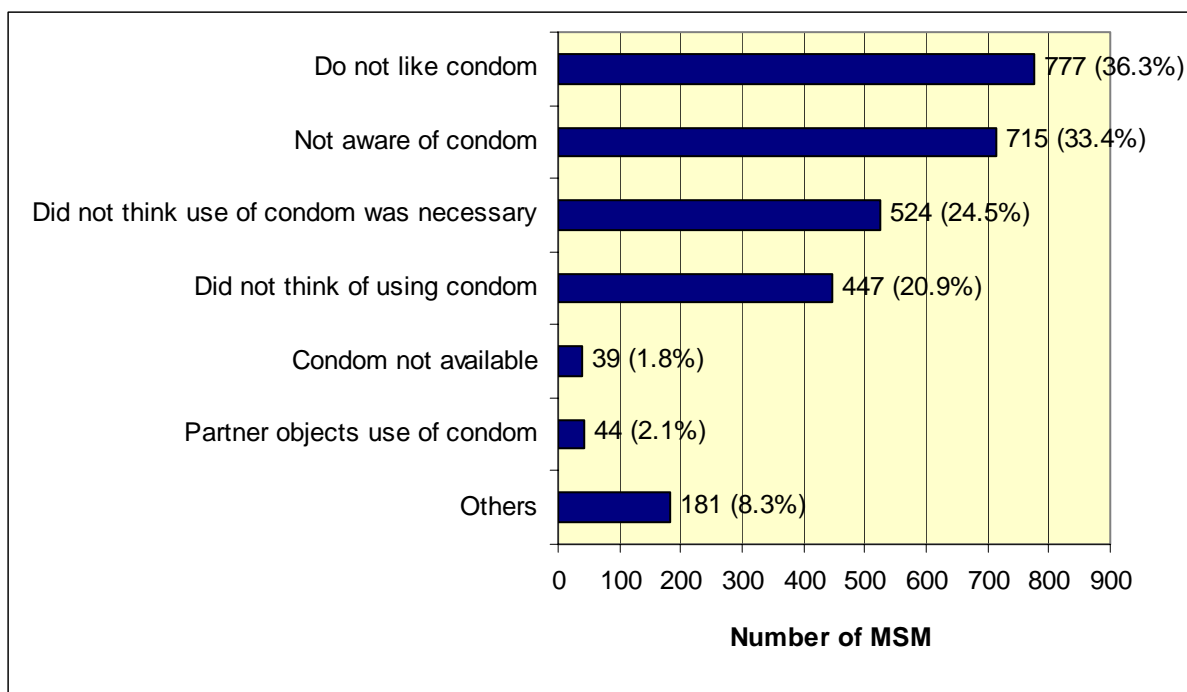
Table 58. Distribution of use of condom ever by MSM

Use of condom ever	Number of MSM (%)
Yes, used	4,473 (67.2%)
Never used	2,139 (32.1%)
Refused to answer	49 (0.7%)
TOTAL	6,661(100%)

Reasons for not using condom

The reasons for not using condom for the MSM who never used condom are shown in Figure 16. These reasons were not prompted to the respondent, and the distribution is *not mutually exclusive*.

Figure 16.



Free condoms and their source

Among the 4,473 MSM who had used condom ever, 1,379 (30.8%) reported receiving condoms for free. Among those who had received free condoms, 68.3% had received within the last one month of the interview.

Table 59. Distribution of receiving condom for free among the MSM who had ever used condom

Received condom for free	Number of MSM (%)
Never received condom for free	3,092 (69.1%)
Received within last 1 month	942 (21.1%)
Received more than 1 month ago	437 (9.8%)
TOTAL	4,472 (100%)

For the MSM who reported receiving condom for free within the last one month (942), half of them had received from non-governmental organisations.

Table 60. Distribution of source of free condom for MSM who reported that they had received condoms for free within the last one month

Source of free condom within the last 1 month	Number of MSM (%)
NGO	472 (50.1%)
Clinic / hospital	194 (20.6%)
Social / health worker	107 (11.4%)
Others	169 (17.9%)
TOTAL	942 (100.0%)

Condom use by MSM with their male sex partners

This section describes the use of condom for penetrative anal sex between MSM.

Detailed data on sexual behaviour was documented for a maximum of last 3 sex partners for each MSM. Data for each site are presented in Table 66 and Annexure 2.

The distribution of MSM based on the number of partners on whom data were documented is shown in the Table below. 6,375 (95.7%) MSM reported history on the last three partners.

Table 61. Distribution of MSM based on the number of partners on whom data were documented

Number of partners on whom detailed data were documented	Number of MSM who reported this number (%)
One partner only	57 (0.9%)
Two partners only	229 (3.4%)
Three partners	6,375 (95.7%)
TOTAL	6,661 (100.0%)

Use of condom for penetrative anal sex

Of the 6,661 MSM who gave detailed sexual history for at least one partner, 6,121 (91.9%) reported having had penetrative anal sex with at least one partner. 55.9% of the MSM had not used condom at all or not used consistently for penetrative anal sex.

Table 62. Distribution of consistent condom use for MSM who had penetrative anal sex with their partners

Penetrative anal sex with ...	Number of MSM	Condom use		
		With all partners	Not with all partners	Refused to answer
3 partners	5,006	2,113 (42.2%)	2,858 (57.1%)	35 (0.7%)
2 partners	636	257 (40.4%)	374 (58.8%)	5 (0.8%)
1 partner	479	283 (59.1%)	191 (39.9%)	5 (1.0%)
TOTAL	6,121	2,653 (43.3%)	3,423 (55.9%)	45 (0.7%)

“Condom use with all partners” denotes consistent condom use for penetrative anal sex

Use of condom in relation to select factors

In this section, the use of condom is shown in figures for some factors that could potentially be associated with no or inconsistent use of condom for penetrative anal sex by MSM. The data used in these figures are only for those MSM who had

reported penetrative anal sex with at least one partner, and are presented for the 40 geographic sites in the scatter plots that follow.

Type of MSM

Figure 17. No or inconsistent use of condom for kothi MSM

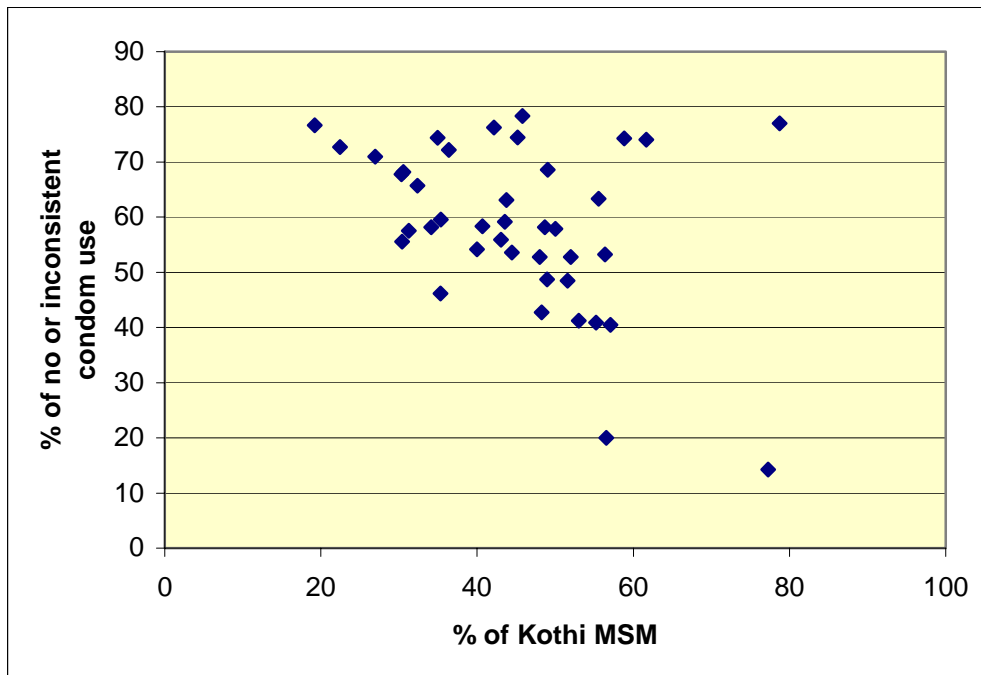


Figure 18. No or inconsistent use of condom for panthi MSM

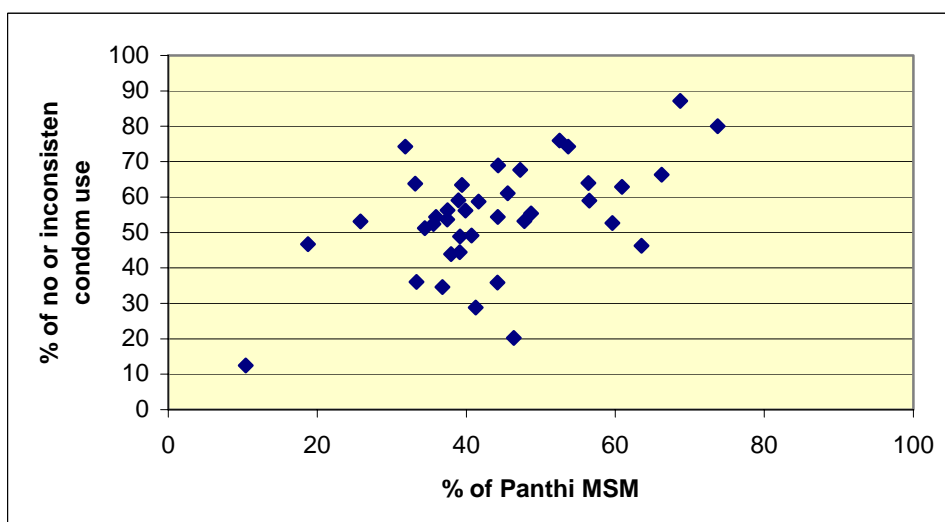
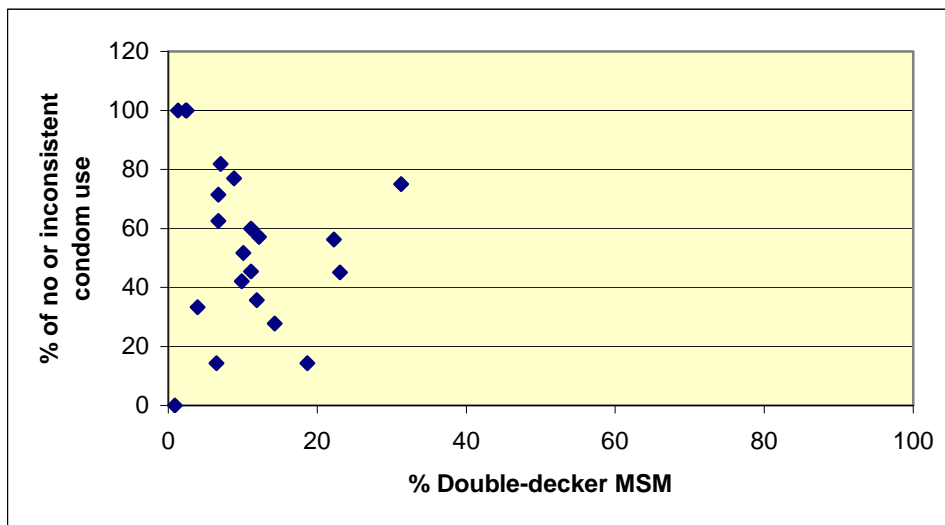


Figure 19. No or inconsistent use of condom for double-decker MSM



Schooling and use of condom

Figure 20. No or non-formal schooling and no or inconsistent use of condom

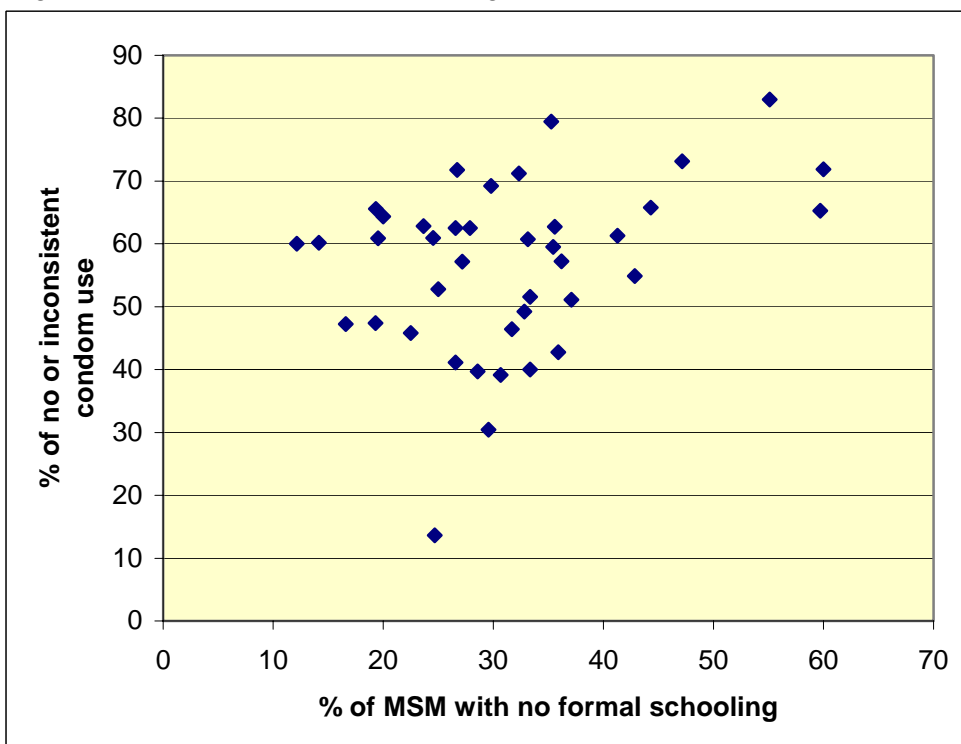
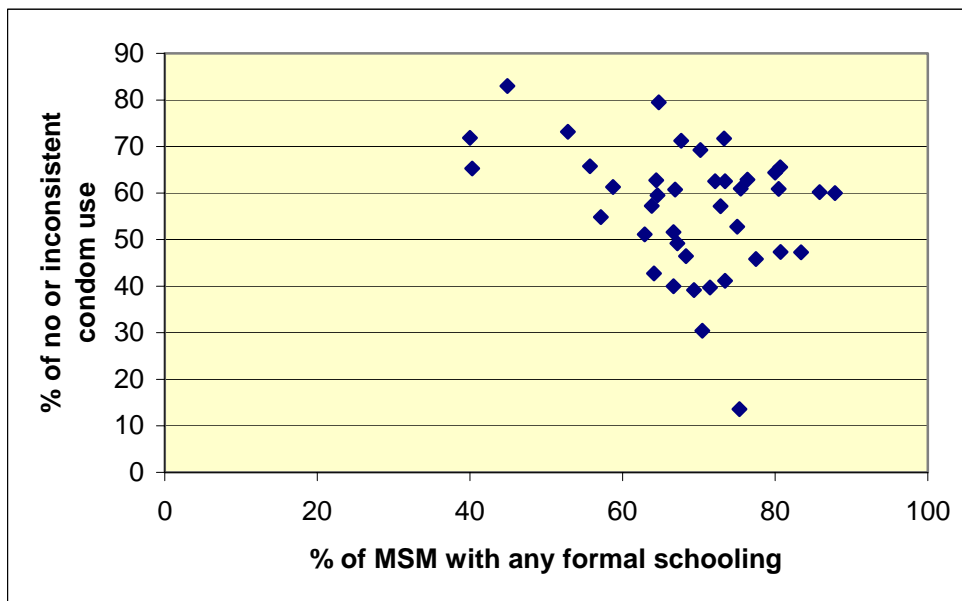
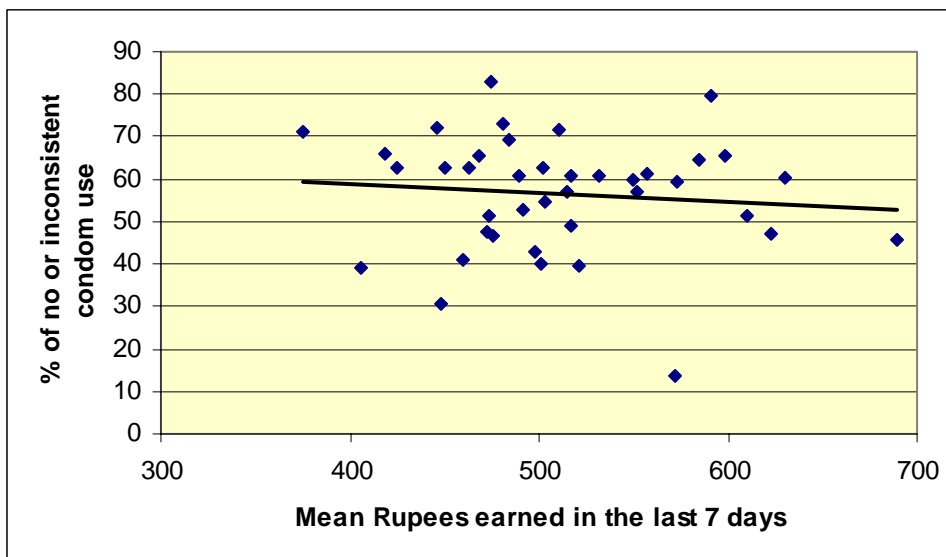


Figure 21. Any formal schooling and no or inconsistent use of condom



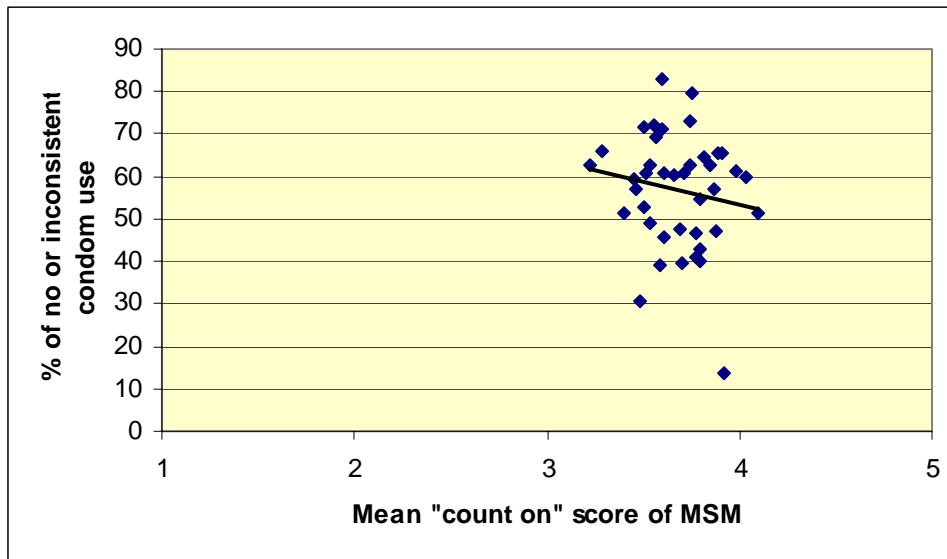
Income in the last 7 days and use of condom

Figure 22. Association between mean income in the last 7 days and no or inconsistent use of condom



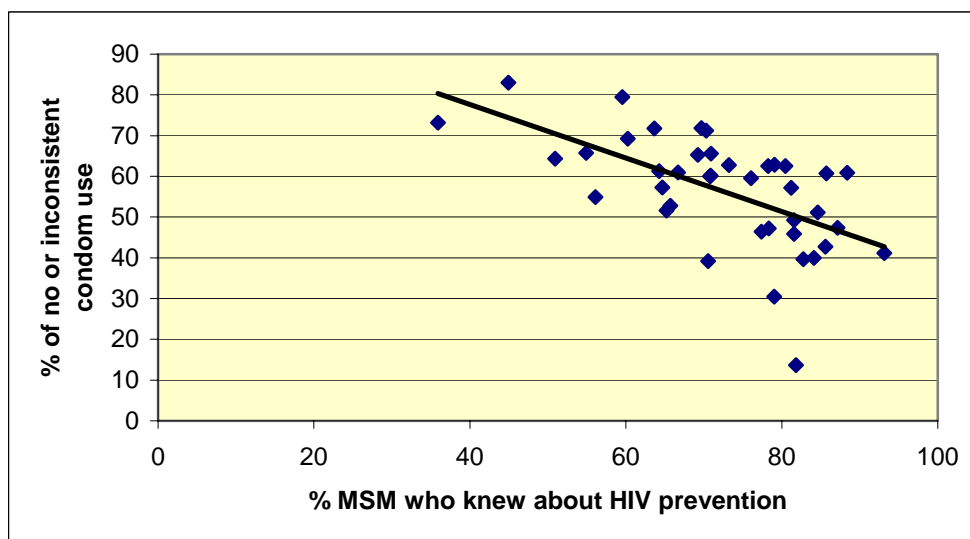
“Count-on” score and use of condom

Figure 23. Association between mean “count-on” score and no or inconsistent use of condom



HIV awareness and use of condom

Figure 24. Association between HIV awareness and no or inconsistent use of condom



Condom use by MSM with their female sex partners

Table 63. Distribution of MSM having sex with a female.

Sex with a female	Number of MSM (%)
Yes, in the last 3 months	3,364 (50.5%)
No, not in the last 3 months	1,189 (17.9%)
Never had sex with a female	2,108 (31.6%)
TOTAL	6,661 (100.0%)

Table 64. Distribution of use of condom in the last sexual encounter with a female partner for the MSM who had sex with female partner in the last 3 months (3,364).

Use of condom with female in the last sex encounter	Number of MSM (%)
No, not used	2,825 (84.0%)
Yes, used	518 (15.4%)
Not needed condom as performed non-penetrative sex	8 (0.2%)
Refused to answer	13 (0.4%)
TOTAL	3,364 (100%)

Identification of factors associated with no or inconsistent use of condom

In order to identify significant factors associated with no or inconsistent use of condom for penetrative anal sex by MSM with their male partners, multiple logistic regression analysis was done. Data included in the multiple logistic regression models were for the MSM who had anal sex with at least one of their last 3 male partners and provided information on condom use. The steps followed for this analysis are summarised below.

The variables identified initially which could possibly be associated with no or inconsistent use of condom by MSM with their male partners were – age, education level, marital status of MSM, income in the last 7 days, type of MSM, “sex work” as primary/secondary occupation versus others, “count-on” score, knowledge that HIV can be prevented, living with male sex partner, number of male sex partners in the last 4 weeks, and rural-urban area where the MSM was sampled from. Seeking treatment for STI was not included in the analysis because the number of MSM who reported history of STI symptoms was only 13%. If this variable were considered in the model, all the other MSM who did not report STI (87%) would have been automatically excluded from the model, making it grossly erroneous. The “life skills scores” were not included in the model as the items covered under this in the questionnaire are mostly opinions, which would be difficult to interpret as being a direct explanatory variable for condom use.

Based on the results of the first run of the multiple logistic regression, four variables were not found to be significant – marital status of MSM ($p = 0.79$), type of MSM ($p = 0.64$), “sex work” as primary/secondary occupation ($p = 0.92$), and living with male sex partner ($p = 0.88$) in determining the outcome variable (condom use). These variables were excluded from the final model, which included all the other variables. The results of this model are presented in Table 65 on the next page. The possible interactions between some variables were assessed, and the interactions between the following variables were found significant in determining the outcome variable were - knowledge that HIV can be prevented and education level of MSM ($p = 0.002$), knowledge that HIV can be prevented and rural-urban area where the MSM was sampled from ($p < 0.001$), and rural-urban area where the MSM was sampled from and education level of MSM ($p = 0.001$).

Table 65. Association of select variables with no or inconsistent use of condom for penetrative anal sex by MSM with their male partners

Variable*	Variable categories†	Total who had anal sex with at least one partner (6,076)‡	Number who reported no or inconsistent use of condom (%)	Odds of having no or inconsistent use of condom (95% CI)	Significance (p-value)
Knowledge that HIV can be prevented	Yes	3,816	1,453 (38.1%)	1.00 (Reference)	
	No	2,260	1,970 (87.2%)	8.74 (7.51-10.17)	<0.001
Rural-urban area where the MSM was sampled from§ (population in brackets)	Rural	850	502 (59.1%)	1.73 (1.37-2.19)	<0.001
	Urban (<50,000)	463	301 (65.0%)	3.20 (2.43-4.20)	<0.001
	Urban (50,001-100,000)	1,402	889 (63.4%)	2.56 (2.07-3.17)	<0.001
	Urban (100,001-200,000)	1,490	876 (58.8%)	2.07 (1.68-2.55)	<0.001
	Urban (200,001-300,000)	1,094	546 (49.9%)	1.72 (1.38-2.13)	<0.001
	Urban (>300,000)	777	309 (39.8%)	1.00 (Reference)	
Number of male sex partners in the last 4 weeks	None	754	472 (62.6%)	1.60 (1.31-1.95)	<0.001
	1 only	750	472 (62.9%)	2.12 (1.74-2.59)	<0.001
	2-5	2,286	1,385 (60.6%)	1.53 (1.33-1.75)	<0.001
	>5	2,273	1,084 (47.7%)	1.00 (Reference)	
Education level	No education	1,905	1,365 (71.7%)	1.71 (1.36-2.15)	<0.001
	Class 1-5	1,311	799 (60.9%)	1.78 (1.42-2.24)	<0.001
	Class 6-10	2,259	1,055 (46.7%)	1.33 (1.09-1.64)	0.006
	Class 11-12 and college	601	204 (33.9%)	1.00 (Reference)	
Income in the last 7 days (Rupees)	500 or less	4,154	2,496 (60.1%)	1.75 (1.28-2.41)	0.001
	501-1,000	1,695	834 (49.2%)	1.34 (0.97-1.87)	0.075
	Above 1,000	225	91 (40.4%)	1.00 (Reference)	
Count-on (social support) score¶	1.00-2.50	584	434 (74.3%)	1.53 (1.21-1.93)	<0.001
	2.51-3.50	1822	1208 (66.3%)	1.54 (1.34-1.77)	<0.001
	>3.50	3668	1779 (48.5%)	1.00 (Reference)	
Age group (years)	16-29	3913	2061 (52.7%)	1.00 (Reference)	
	30-39	1620	977 (60.3%)	1.11 (0.96-1.28)	0.146
	40 or more	543	385 (70.9%)	1.38 (1.10-1.74)	0.006

*Variables listed in descending order of effect on outcome variable.

†Some categories of variables combined based on initial iterations that showed similar values for outcome variable in order to increase the power of the analysis.

‡The total of sub-categories may not always be 6076 due to a few missing values.

§Rural-urban classification and population were taken from the Census of India data for each sub-site.

¶The count-on score for each respondent was averaged for the responses to the five questions used for this score; this ranged from 1 to 5, with 1 indicating least social support and 5 indicating maximum social support; the three suggested categories indicate low, medium and high social support, respectively.

Factors associated with no or inconsistent use of condom for each site

Table 66 starting on the next page shows the 40 sites in decreasing order of the rate of no or inconsistent condom use by MSM, and the distribution of the factors in each site that were found to have a significant association with no or inconsistent condom by the overall multivariate analysis (Table 65).

The names of the sites in Table 66 show all the sub-sites in decreasing order of sampled MSM for each of the site that had more than one sub-site. The following is the key used in Table 66 to suggest the highest and next level of priority.

Factor	Average for all sites combined	Level in a site that could suggest highest priority	Level in a site that could suggest next level of priority
Total number of MSM in the sample who reported anal sex with at least one of the last 3 partners – 6,076			
MSM who did not use condom for anal sex with at least one partner	56.3%	>60%	40-60%
No knowledge that HIV can be prevented	37.7%	>45%	30-45%
Rural-urban area where MSM was sampled from - Urban <50,000	7.6%	>50%	
Rural-urban area where MSM was sampled from - Urban 50,001-100,000	23.3%	>50%	
Number of male sex partners in the last 4 weeks – 2-5	37.7%	>50%	40-50%
Education level – no formal schooling	31.5%	>35%	
Education level – Class 1 to 5	21.7%	>25%	
Income in last 7 days Rs. 500 or less	68.5%	>70%	
Count on score >3.50	60.3%	<60%	
Age group >=40 years	9.1%	>10%	

Table 66. Site-wise distribution of the 7 factors found to have a significant association with no or inconsistent use of condom (identified in previous table by multivariate analysis)

Table 66 – Part 1

Site Code	Name of the site	Number of MSM in the sample who reported anal sex with at least one of the last 3 partners	Percent of MSM who did not use condom for anal sex with at least one partner	<u>Factor 1</u> No knowledge that HIV can be prevented (%)	<u>Factor 2</u> Rural-urban area where MSM was sampled from (%)					
					Rural	Urban <50,000	Urban 50,001-100,000	Urban 100,001-200,000	Urban 200,001-300,000	Urban >300,000
15	Metpally	147	83.0	72.8	100					
13	Jagatial	156	79.5	50.0			100			
12	Kagaznagar-Wankidi	188	75.0	51.0	29.8		70.2			
22	Armoor-Jakranpally	123	73.2	65.9	100					
2	Guntakal-Gooty	160	71.9	46.9		41.9		58.1		
31	Rayachoti-Lakkireddypally	131	71.8	46.6	4.6		95.4			
39	Tandoor	104	69.2	49.0			100			
7	Adoni	219	65.8	61.6				100		
17	Bhadrachalam-Kothagudem-Manuguru	119	65.5	34.5		62.2	37.8			
19	Sangareddy (in Andole site)	72	65.3	50.0			100			
10	Nirmal-Bhainsa	115	64.3	53.0		21.7	78.3			
27	Dharmavaram-Mudigubba-Bathalapalli	147	63.3	31.1	14.9			85.1		
20	Medak (in Ramayampet site)	127	63.0	29.7		100				
30	Nagari	59	62.7	30.5		100				
4	Srikalahasthi-Puttur	104	62.5	36.5		39.4	60.6			
6	Kadapa	315	61.3	43.5				100		
28	Hindupur	133	60.9	25.6				100		
35	Miryalguda	110	60.9	40.0			100			

Site Code	Name of the site	Number of MSM in the sample who reported anal sex with at least one of the last 3 partners	Percent of MSM who did not use condom for anal sex with at least one partner	<i>Factor 1</i> No knowledge that HIV can be prevented (%)	<i>Factor 2</i> Rural-urban area where MSM was sampled from (%)					
					Rural	Urban <50,000	Urban 50,001-100,000	Urban 100,001-200,000	Urban 200,001-300,000	Urban >300,000
40	Kazipet	163	60.7	33.7						100
34	Patancheru-Ramachandrapuram	113	60.2	35.4		54.9	45.1			
29	Chittoor	140	60.0	34.3				100		
37	Bodhan-Kotagiri	79	59.5	31.6	5.1		94.9			
14	Karimnagar-Sircilla-Vemulavada	197	57.4	30.3	5		14.9		80.1	
9	Nandyal-Atmakur	152	57.2	50.7	24.3			75.7		
11	Mancheryal-Ramakrishnapur-Dharmapuri	287	57.1	35.2	28.9		71.1			
26	Nizamabad	175	54.9	47.4					100	
3	Madanapally-Kalikiri	108	52.8	38.0	3.7			96.3		
16	Godavarikhani (in Ramagundam site)	125	52.0	52.4					100	
38	Kamareddy	128	49.2	27.3			100			
5	Tirupati	233	47.6	27.7					100	
8	Kurnool	228	47.4	19.7					100	
32	Allagadda	183	46.4	25.1	100					
36	Nalgonda	120	45.8	22.5				100		
21	Aleru-Bhongir-Yadagirigutta	70	42.9	29.3	48	10.7	41.3			
23	Saroornagar (in Hayatnagar site)	248	42.7	28.2						100
1	Anantapur-Garladinne-Kalluru	192	41.1	21.9	12				88	
18	Khammam	126	39.7	23.8				100		
24	Hanmakonda (in Hasanparthy site)	212	39.2	36.8						100
33	Dhone	114	30.7	27.8	100					
25	Hyderabad	154	13.6	18.2						100

Table 66 – Part 2

Site Code	Name of the site	Percent of MSM who did not use condom for anal sex with at least one partner	Factor 3 Number of male sex partners in the last 4 weeks (%)				Factor 4 Education level (%)			
			None	1 only	2-5	>5	None	Class 1 to 5	Class 6 to 10	Class 11 and higher
15	Metpally	83.0	23.1	15.6	49.7	11.6	55.1	24.5	17.7	2.7
13	Jagatial	79.5	12.8	19.2	57.1	10.9	35.3	21.8	39.1	3.8
12	Kagaznagar-Wankidi	75.0	15.7	21.2	42.9	20.2	32.3	23.7	36.9	7.1
22	Armoor-Jakranpally	73.2	17.1	10.6	54.5	17.9	47.2	22.8	22.8	7.3
2	Guntakal-Gooty	71.9	7.5	5.6	28.8	58.1	60	18.8	19.4	1.9
31	Rayachoti-Lakkireddypally	71.8	14.5	22.9	41.2	21.4	26.7	23.7	41.2	8.4
39	Tandoor	69.2	16.3	9.6	41.3	32.7	29.8	35.6	23.1	11.5
7	Adoni	65.8	9.6	4.1	39.7	46.6	44.3	19.6	35.6	0.5
17	Bhadrachalam-Kothagudem-Manuguru	65.5	14.3	9.2	36.1	40.3	19.3	21.8	48.7	10.1
19	Sangareddy (in Andole site)	65.3	11.1	11.1	69.4	8.3	59.7	20.8	15.3	4.2
10	Nirmal-Bhainsa	64.3	18.3	20.0	50.4	11.3	20	17.4	49.6	13.0
27	Dharmavaram-Mudigubba-Bathalapalli	63.3	14.2	12.8	25.0	48.0	23.6	34.5	35.8	6.1
20	Medak (in Ramayampet site)	63.0	15.0	18.9	44.1	22.0	26.6	22.7	35.2	15.6
30	Nagari	62.7	10.2	22.0	39.0	28.8	35.6	25.4	39	0.0
4	Srikalahasthi-Puttur	62.5	10.6	12.5	57.7	19.2	27.9	35.6	31.7	4.8
6	Kadapa	61.3	11.6	14.2	33.5	40.6	41.3	19.4	29.5	9.8
28	Hindupur	60.9	10.5	3.8	25.6	60.2	19.5	22.6	48.1	9.8
35	Miryalguda	60.9	10.9	8.2	40.9	40.0	24.5	33.6	30	11.8

Site Code	Name of the site	Percent of MSM who did not use condom for anal sex with at least one partner	Factor 3 Number of male sex partners in the last 4 weeks (%)				Factor 4 Education level (%)			
			None	1 only	2-5	>5	None	Class 1 to 5	Class 6 to 10	Class 11 and higher
40	Kazipet	60.7	4.3	8.6	25.8	61.3	33.1	22.7	34.4	9.8
34	Patancheru-Ramachandrapuram	60.2	11.5	25.7	34.5	28.3	14.2	19.5	53.1	13.3
29	Chittoor	60.0	11.4	22.1	55.0	11.4	12.1	14.3	54.3	19.3
37	Bodhan-Kotagiri	59.5	8.9	6.3	30.4	54.4	35.4	19	39.2	6.3
14	Karimnagar-Sircilla-Vemulavada	57.4	12.3	12.7	36.4	38.6	37.1	21.7	33.5	7.7
9	Nandyal-Atmakur	57.2	17.1	5.9	42.8	34.2	36.2	12.5	46.1	5.3
11	Mancheryal-Ramakrishnapur-Dharmapuri	57.1	29.3	18.1	33.1	19.5	27.2	17.1	41.5	14.3
26	Nizamabad	54.9	5.7	8.6	46.3	39.4	42.9	16	30.3	10.9
3	Madanapally-Kalikiri	52.8	10.2	13.9	40.7	35.2	25	25	41.7	8.3
16	Godavarikhani (in Ramagundam site)	52.0	26.2	11.9	38.1	23.8	33.3	10.3	46.8	9.5
38	Kamareddy	49.2	7.0	7.8	28.9	56.3	32.8	15.6	39.8	11.7
5	Tirupati	47.6	8.1	14.9	26.8	50.2	16.6	22.6	40.4	20.4
8	Kurnool	47.4	10.5	11.0	45.2	33.3	19.3	22.4	43.4	14.9
32	Allagadda	46.4	8.2	5.5	23.0	63.4	31.7	23.5	38.3	6.6
36	Nalgonda	45.8	14.2	16.7	44.2	25.0	22.5	27.5	38.3	11.7
21	Aleru-Bhongir-Yadagirigutta	42.9	2.7	4.0	26.7	66.7	33.3	29.3	34.7	2.7
23	Saroornagar (in Hayatnagar site)	42.7	4.5	8.1	31.2	56.3	35.9	23.4	31.5	9.3
1	Anantapur-Garladinne-Kalluru	41.1	9.9	5.2	31.3	53.6	26.6	28.6	39.1	5.7
18	Khammam	39.7	15.1	20.6	37.3	27.0	28.6	7.9	46	17.5
24	Hanmakonda (in Hasanparthy site)	39.2	17.2	11.5	43.5	27.8	30.7	13.2	42	14.2
33	Dhone	30.7	5.2	6.1	18.3	70.4	29.6	35.7	30.4	4.3
25	Hyderabad	13.6	4.6	7.9	26.3	61.2	24.7	17.5	35.1	22.7

Table 66 – Part 3

Site Code	Name of the site	Percent of MSM who did not use condom for anal sex with at least one partner	<i>Factor 5</i> Income in last 7 days (Rupees)			<i>Factor 6</i> Count-on score (%)			<i>Factor 7</i> Age group (years) (%)		
			>1000	501-1000	<=500	>3.50	2.51-3.50	1.00-2.50	16-29	30-39	>=40
15	Metpally	83.0	6.8	19.2	74	55.1	36.7	8.2	63.9	24.5	11.6
13	Jagatial	79.5	8.3	30.1	61.5	64.1	26.9	9	71.8	25	3.2
12	Kagaznagar-Wankidi	75.0	1	16.2	82.8	58.1	27.3	14.6	53.5	30.3	16.2
22	Armoor-Jakranpally	73.2	2.4	25.2	72.4	59.3	31.7	8.9	49.6	35.8	14.6
2	Guntakal-Gooty	71.9	1.3	24.4	74.4	67.5	21.9	10.6	56.9	31.9	11.3
31	Rayachoti-Lakkireddypally	71.8	3.1	31.3	65.6	51.1	33.6	15.3	53.4	36.6	9.9
39	Tandoor	69.2	3.8	23.1	73.1	61.5	21.2	17.3	73.1	21.2	5.8
7	Adoni	65.8	0.5	24.3	75.2	37	51.6	11.4	64.8	29.7	5.5
17	Bhadrachalam-Kothagudem-Manuguru	65.5	6.7	28.6	64.7	65.5	27.7	6.7	72.3	25.2	2.5
19	Sangareddy (in Andole site)	65.3	0	31.9	68.1	66.7	33.3	0	65.3	29.2	5.6
10	Nirmal-Bhainsa	64.3	10.4	33.9	55.7	67.8	25.2	7	73.9	19.1	7
27	Dharmavaram-Mudigubba-Bathalapalli	63.3	1.4	24.3	74.3	51.4	39.2	9.5	75.7	20.3	4.1
20	Medak (in Ramayampet site)	63.0	1.6	19.5	78.9	74.2	17.2	8.6	66.4	23.4	10.2
30	Nagari	62.7	3.4	27.1	69.5	40.7	37.3	22	61	27.1	11.9
4	Srikalahasthi-Puttur	62.5	2.9	26	71.2	64.4	27.9	7.7	69.2	24	6.7
6	Kadapa	61.3	3.5	38.4	58.1	72.3	22.6	5.1	70.5	24.4	5.1
28	Hindupur	60.9	2.3	36.8	60.9	51.1	36.8	12	63.2	27.1	9.8
35	Miryalguda	60.9	3.6	28.2	68.2	63.6	30	6.4	63.6	29.1	7.3

Site Code	Name of the site	Percent of MSM who did not use condom for anal sex with at least one partner	<u>Factor 5</u> Income in last 7 days (Rupees)			<u>Factor 6</u> Count-on score (%)			<u>Factor 7</u> Age group (years) (%)		
			>1000	501-1000	<=500	>3.50	2.51-3.50	1.00-2.50	16-29	30-39	>=40
40	Kazipet	60.7	1.2	39.3	59.5	56.8	35.2	8	50.9	28.8	20.2
34	Patancheru-Ramachandrapuram	60.2	5.3	26.5	68.1	59.3	22.1	18.6	67.3	24.8	8
29	Chittoor	60.0	5.7	25	69.3	72.9	14.3	12.9	63.6	31.4	5
37	Bodhan-Kotagiri	59.5	7.6	40.5	51.9	44.3	44.3	11.4	64.6	25.3	10.1
14	Karimnagar-Sircilla-Vemulavada	57.4	3.2	29.4	67.4	73.3	23.5	3.2	58.4	27.6	14
9	Nandyal-Atmakur	57.2	2.6	36.2	61.2	48.7	46.1	5.3	69.1	25.7	5.3
11	Mancheryal-Ramakrishnapur-Dharmapuri	57.1	6.3	24.7	69	67.6	22.3	10.1	62	29.3	8.7
26	Nizamabad	54.9	6.9	25.1	68	67.4	24.6	8	46.3	39.4	14.3
3	Madanapally-Kalikiri	52.8	1.9	30.6	67.6	47.2	30.6	22.2	47.2	42.6	10.2
16	Godavarikhani (in Ramagundam site)	52.0	6.3	27	66.7	44.4	39.7	15.9	65.9	27.8	6.3
38	Kamareddy	49.2	0	41.4	58.6	44.5	49.2	6.3	61.7	25.8	12.5
5	Tirupati	47.6	7.7	38.7	53.6	66.8	22.6	10.6	62.6	22.1	15.3
8	Kurnool	47.4	1.8	22.8	75.4	61.4	22.4	16.2	75.4	21.1	3.5
32	Allagadda	46.4	0	29	71	69.9	27.9	2.2	67.8	25.7	6.6
36	Nalgonda	45.8	4.2	20	75.8	55.8	35.8	8.3	68.3	20.8	10.8
21	Aleru-Bhongir-Yadagirigutta	42.9	5.3	29.3	65.3	50.7	37.3	12	56	25.3	18.7
23	Saroornagar (in Hayatnagar site)	42.7	4	29.4	66.5	62.9	28.2	8.9	60.1	29.4	10.5
1	Anantapur-Garladinne-Kalluru	41.1	1.6	24.5	74	62	32.8	5.2	66.7	26	7.3
18	Khammam	39.7	6.3	19.8	73.8	57.9	31	11.1	75.4	16.7	7.9
24	Hanmakonda (in Hasanparthy site)	39.2	0.9	16.5	82.5	47.6	42.5	9.9	68.4	23.1	8.5
33	Dhone	30.7	0.9	21.7	77.4	60	27.8	12.2	67	23.5	9.6
25	Hyderabad	13.6	7.8	26.6	65.6	75.3	20.1	4.5	76	20.1	3.9

Biomarkers***Herpes simplex virus -2***

Site Name	Number of MSM	Number HSV +ve	% HSV +ve
Ananthapur	207	90	43.5
Gooty	163	103	63.2
Madanapally	125	95	76.0
Sri Kalahasthi	123	27	22.0
Tirupathi	254	94	37.0
Cuddapah	321	70	21.8
Adoni	236	110	46.6
Kurnool	255	53	20.8
Nandyal	162	68	42.0
Nirmal	116	26	22.4
Mancherial	300	99	33.0
Wankidi	205	73	35.6
Jagtial	160	23	14.4
Karimnagar	224	96	42.9
Metpally	150	33	22.0
Ramagundam	133	22	16.5
Bhadrachalam	120	38	31.7
Khammam	143	80	55.9
Andole	72	44	61.1
Ramayampet	133	17	12.8
Yadagirigutta	79	33	41.8
Armoor	130	89	68.5
Hayatnagar	275	76	27.6
Hasanparthy	222	87	39.2
Hyderabad	175	58	33.1
Nizamabad	175	90	51.4
Dharmavaram	178	14	7.9
Hindupur	150	10	6.7
Chittoor	176	2	1.1
Nagari	75	1	1.3
Lakki Reddy Pally	156	0	0.0
Allagadda	198	14	7.1
Dhone	165	42	25.5
Ramachandrapuram	125	27	21.6
Miryalaguda	127	24	18.9
Nalgonda	148	30	20.3
Bhodan	80	8	10.0
Kamareddy	130	8	6.2
Tandoor	115	9	7.8
Kazipet	180	10	5.6
Total	6661	1893	28.4

Syphilis

Site Name	Number of MSM	Number syphilis +ve	% Syphilis +ve
Ananthapur	207	43	20.8
Gooty	163	63	38.7
Madanapally	125	29	23.2
Sri Kalahasthi	123	20	16.3
Tirupathi	254	48	18.9
Cuddapah	321	165	51.4
Adoni	236	103	43.6
Kurnool	255	47	18.4
Nandyal	162	43	26.5
Nirmal	116	20	17.2
Mancherial	300	96	32.0
Wankidi	205	32	15.6
Jagtial	160	46	28.8
Karimnagar	224	38	17.0
Metpally	150	15	10.0
Ramagundam	133	23	17.3
Bhadrachalam	120	35	29.2
Khammam	143	46	32.2
Andole	72	46	63.9
Ramayampet	133	49	36.8
Yadagirigutta	79	24	30.4
Armoor	130	30	23.1
Hayatnagar	275	54	19.6
Hasanparthy	222	90	40.5
Hyderabad	175	65	37.1
Nizamabad	175	82	46.9
Dharmavaram	178	57	32.0
Hindupur	150	40	26.7
Chittoor	176	8	4.5
Nagari	75	2	2.7
Lakki Reddy Pally	156	1	0.6
Allagadda	198	26	13.1
Dhone	165	28	17.0
Ramachandrapuram	125	29	23.2
Miryalaguda	127	17	13.4
Nalgonda	148	22	14.9
Bhodan	80	7	8.8
Kamareddy	130	12	9.2
Tandoor	115	4	3.5
Kazipet	180	10	5.6
Total	6661	1615	24.2

Chlamydia

Site Name	Number of MSM	Number HSV +ve	% HSV +ve
Ananthapur	207	5	2.4
Gooty	163	1	0.6
Madanapally	125	1	0.8
Sri Kalahasthi	123	0	0.0
Tirupathi	254	3	1.2
Cuddapah	321	4	1.2
Adoni	236	0	0.0
Kurnool	255	1	0.4
Nandyal	162	1	0.6
Nirmal	116	0	0.0
Mancherial	300	4	1.3
Wankidi	205	5	2.4
Jagtial	160	1	0.6
Karimnagar	224	1	0.4
Metpally	150	0	0.0
Ramagundam	133	0	0.0
Bhadrachalam	120	0	0.0
Khammam	143	1	0.7
Andole	72	0	0.0
Ramayampet	133	0	0.0
Yadagirigutta	79	1	1.3
Armoor	130	0	0.0
Hayatnagar	275	9	3.3
Hasanparthy	222	3	1.4
Hyderabad	175	1	0.6
Nizamabad	175	0	0.0
Dharmavaram	178	0	0.0
Hindupur	150	0	0.0
Chittoor	176	0	0.0
Nagari	75	0	0.0
Lakki Reddy Pally	156	1	0.6
Allagadda	198	0	0.0
Dhone	165	0	0.0
Ramachandrapuram	125	0	0.0
Miryalaguda	127	0	0.0
Nalgonda	148	0	0.0
Bhodan	80	0	0.0
Kamareddy	130	3	2.3
Tandoor	115	0	0.0
Kazipet	180	0	0.0
Total	6661	46	0.7

SUMMARY

Female sex workers

In this large sample of FSWs, 47.6% did not use condom with clients at all or used it inconsistently. Among the 40 geographic sites, this proportion ranged markedly from 83.6% to 6.8%. Multivariate analysis to identify the factors associated with this no or inconsistent use of condom revealed:

- The strongest association of this was with knowledge that HIV can be prevented, with the FSWs without this knowledge having 6.5 times higher risk of no or inconsistent use of condom.
- No participation in sex worker support group increased the risk of no or inconsistent use of condom by 4 times.
- Street-based FSWs had the highest risk of no or inconsistent use of condom, which was 4 times higher than the least-risk brothel-based FSWs, with home-based FSWs having intermediate risk.
- Availability of low social support was associated with 2-3 times higher risk of no or inconsistent use of condom as compare with medium to high social support.
- FSWs having the least income in this group had a 2 times higher risk of no or inconsistent use of condom as compare with those having the highest income.
- FSWs from medium urban locations (population 50,001-200,000) had the highest risk of no or inconsistent use of condom, which was 2 times that for large urban locations (population more than 200,000), with rural locations having an intermediate risk.
- Increasing age was associated with a higher risk of no or inconsistent use of condom.
- FSWs with lower number of clients had somewhat higher risk of no or inconsistent use of condom.
- Currently married FSWs had a slightly higher risk of no or inconsistent use of condom.
- Illiterate FSWs had a slightly higher risk of no or inconsistent use of condom.

Apart from the clients, 55% FSW had regular sex partner of which the majority (94%) did not use condom for penetrative sex with this partner.

There was a wide variation in the rates of herpes simplex, syphilis and chlamydia in the different sites, the reasons for which would need to be understood further.

Men who have sex with men

In this large sample of MSM, 56.3% did not use condom with their male sex partners at all or used it inconsistently. This proportion ranged from 83% to 30.7% among 39 of the geographic sites, with the one other site having a relatively low 13.6%. Multivariate analysis to identify the factors associated with this no or inconsistent use of condom revealed:

- The strongest association of this was with knowledge that HIV can be prevented, with the MSM without this knowledge having 9 times higher risk of no or inconsistent use of condom. This association was even stronger than that for FSWs.
- As compared with very large urban locations (population more than 300,000), MSM from the other locations had a 2-3 times higher risk of no or inconsistent use of condom.
- MSM with more than 5 male partners in the last 4 weeks had the least risk of no or inconsistent use of condom; those with one partner only in last 4 weeks having a 2 times higher risk, and those with 2-5 partner in the last 4 weeks having a 1.5 times higher risk.
- Lower education was associated with a higher risk of no or inconsistent use of condom.
- Lower income was also associated with a higher risk of no or inconsistent use of condom.
- Availability of low social support was associated with a 1.5 times higher risk of no or inconsistent use of condom as compare with medium to high social support.
- MSM more than 40 years of age had a slightly higher risk of no or inconsistent use of condom.

In addition, 50% MSM had sex with at least one female in the last 3 months, of which 84% did not use condom for penetrative sex with female.

There was a wide variation in the rates of herpes simplex and syphilis in the different sites, the reasons for which would need to be understood further. The rate of chlamydia was consistently low.

Conclusion

The data from this study in forty geographic sites in the Telangana and Rayalseema regions of Andhra Pradesh indicate a wide range of rates for no or inconsistent use of condom by FSWs and MSM, with many of these sites having very high rates of no or inconsistent use of condom. The analysis identified factors associated with this no or inconsistent use of condom that are potentially modifiable through HIV prevention programmes. These are lack of knowledge that HIV can be prevented, which had the strongest association with no or inconsistent use of condom, and poor social support, which too was associated with no or inconsistent use of condom. In addition, several demographic and other variables were found to be associated with no or inconsistent use of condom, which can help in identifying sub-groups that need more attention. The findings presented in this report could be utilised to plan further HIV prevention work in Andhra Pradesh.

Annexure 1 – Female Sex Workers
Details for each site

Demographic details for each site

Site #	Site name	Mean age	Marital Status				Caste			
			Married	Single	Divorced/ Separated	Widow	Forward Caste	Backward Caste	Scheduled Caste	Scheduled Tribe
1	Anathapur	29	42%	12%	36%	10%	2%	54%	25%	0%
2	Gooty	29	27%	20%	39%	15%	3%	26%	60%	4%
3	Madanpally	26	34%	18%	33%	14%	17%	50%	26%	0%
4	Srikalahasti	28	26%	12%	49%	14%	7%	54%	32%	4%
5	Tirupathi	29	30%	20%	37%	14%	19%	37%	34%	4%
6	Kadapa	28	27%	14%	44%	15%	9%	34%	45%	3%
7	Adoni	28	40%	14%	34%	12%	2%	25%	61%	0%
8	Kurnool	28	36%	11%	37%	16%	1%	34%	48%	1%
9	Nandayal	27	40%	15%	33%	13%	7%	35%	46%	8%
10	Nirmal	28	41%	9%	37%	14%	3%	34%	59%	4%
11	Mancherial	25	33%	41%	20%	7%	1%	55%	35%	6%
12	Wankidi	29	47%	10%	27%	17%	3%	30%	49%	10%
13	Jagitial	27	49%	20%	22%	9%	6%	70%	14%	5%
14	Karimnagar	26	31%	46%	17%	5%	2%	63%	25%	10%
15	Metpally	27	61%	1%	27%	12%	10%	60%	27%	2%
16	Ramagundam	27	59%	12%	22%	7%	0%	25%	40%	30%
17	Bhadrachalam	27	49%	16%	26%	9%	3%	22%	40%	30%
18	Khammam	29	41%	5%	34%	20%	4%	38%	28%	29%
19	Andole	27	44%	7%	36%	13%	3%	31%	64%	2%
20	Ramayapet	25	34%	37%	24%	5%	1%	67%	21%	10%
21	Yadgirigutta	25	10%	75%	10%	5%	2%	93%	4%	1%
22	Armoor	27	42%	27%	24%	8%	5%	64%	26%	4%
23	Hayatnagar	28	58%	0%	30%	12%	2%	18%	16%	62%
24	Hasanparthy	22	10%	83%	7%	0%	0%	94%	5%	0%
25	Hyderabad	27	53%	4%	38%	6%	14%	48%	27%	3%
26	Nizamabad	27	49%	9%	36%	7%	13%	42%	26%	7%
27	Dharmavaram	29	44%	5%	35%	16%	0%	32%	46%	9%
28	Hindupur	27	39%	14%	35%	13%	4%	27%	38%	13%
29	Chittoor	29	46%	11%	31%	13%	8%	55%	32%	1%
30	Nagari	29	34%	14%	39%	14%	4%	41%	40%	3%
31	Lakkireddypally	29	48%	7%	31%	15%	9%	43%	27%	7%
32	Aallagadda	27	56%	6%	27%	11%	5%	38%	42%	0%
33	Dhone	26	55%	9%	28%	9%	2%	21%	52%	12%
34	Ramachadrapuram	27	46%	8%	30%	16%	3%	52%	28%	11%
35	Miryalguda	26	41%	5%	38%	17%	2%	26%	29%	42%
36	Nalgonda	27	41%	8%	34%	17%	6%	34%	55%	3%
37	Bodhan	29	25%	14%	41%	20%	3%	34%	40%	6%
38	Kama Reddy	28	39%	15%	30%	16%	2%	30%	39%	19%
39	Thandur	27	39%	8%	40%	13%	2%	45%	31%	19%
40	Kazipet	29	56%	11%	21%	12%	4%	34%	41%	5%

Site number	Site name	Religion			% with children & mean number of children	
		Hindu	Muslim	Christian	Have Children	No. Children
1	Anathapur	81%	18%	1%	83%	2
2	Gooty	92%	4%	4%	80%	2
3	Madanpally	90%	8%	2%	77%	2
4	Srikalahasti	94%	4%	2%	80%	2
5	Tirupathi	91%	3%	5%	72%	2
6	Kadapa	78%	10%	12%	78%	2
7	Adoni	88%	12%	0%	82%	2
8	Kurnool	83%	15%	2%	84%	2
9	Nandayal	96%	1%	3%	79%	2
10	Nirmal	97%	3%	1%	74%	2
11	Mancherial	98%	2%	1%	65%	2
12	Wankidi	89%	9%	2%	73%	3
13	Jagitial	88%	12%	1%	79%	2
14	Karimnagar	97%	2%	2%	59%	2
15	Metpally	95%	5%	1%	87%	2
16	Ramagundam	96%	4%	1%	85%	2
17	Bhadrachalam	95%	2%	3%	70%	2
18	Khammam	85%	5%	11%	86%	2
19	Andole	93%	3%	4%	81%	2
20	Ramayapet	98%	1%	1%	59%	2
21	Yadgirigutta	100%	0%	0%	30%	2
22	Armoor	94%	4%	0%	76%	2
23	Hayat nagar	94%	3%	3%	92%	3
24	Hasanparthy	100%	0%	0%	31%	2
25	Hyderabad	87%	9%	2%	81%	2
26	Nizamabad	85%	14%	1%	82%	2
27	Dharmavaram	86%	14%	0%	86%	2
28	Hindupur	83%	16%	1%	81%	2
29	Chittoor	95%	3%	1%	85%	3
30	Nagari	86%	9%	4%	82%	2
31	Lakkyreddy Palli	86%	13%	1%	82%	2
32	Aallagadda	85%	3%	13%	87%	2
33	Dhone	86%	3%	11%	81%	2
34	Ramachadrapuram	94%	4%	2%	84%	2
35	Miryalguda	99%	0%	1%	91%	2
36	Nalgonda	94%	4%	2%	74%	2
37	Bodhan	81%	14%	5%	76%	2
38	Kama Reddy	91%	7%	1%	77%	2
39	Thandur	95%	5%	0%	87%	2
40	Kazipet	84%	12%	4%	76%	3

Site number	Site name	Schooling					
		None	Primary School	Upper Primary School	High School	Senior Secondary	Technical or more
1	Anathapur	54%	34%	10%	2%	1%	0%
2	Gooty	72%	23%	5%	1%	0%	0%
3	Madanpally	78%	19%	3%	0%	0%	0%
4	Srikalahasti	71%	17%	7%	3%	2%	0%
5	Tirupathi	58%	24%	13%	5%	0%	1%
6	Kadapa	86%	12%	1%	1%	0%	0%
7	Adoni	72%	21%	6%	1%	0%	0%
8	Kurnool	75%	17%	6%	2%	0%	0%
9	Nandayal	66%	26%	5%	4%	0%	0%
10	Nirmal	84%	12%	0%	3%	1%	0%
11	Mancherial	85%	11%	4%	1%	0%	0%
12	Wankidi	86%	7%	4%	2%	0%	1%
13	Jagitial	73%	15%	7%	5%	0%	0%
14	Karimnagar	85%	12%	2%	1%	0%	0%
15	Metpally	87%	11%	2%	0%	1%	1%
16	Ramagundam	83%	14%	2%	2%	0%	0%
17	Bhadrachalam	71%	22%	6%	2%	0%	0%
18	Khammam	85%	9%	4%	2%	0%	0%
19	Andole	84%	9%	3%	3%	1%	0%
20	Ramayapet	76%	19%	5%	1%	0%	0%
21	Yadgirigutta	77%	18%	4%	2%	0%	0%
22	Armoor	77%	16%	4%	1%	0%	0%
23	Hayat nagar	95%	3%	2%	0%	0%	0%
24	Hasanparthy	43%	35%	15%	6%	1%	0%
25	Hyderabad	76%	17%	5%	1%	1%	0%
26	Nizamabad	67%	25%	6%	2%	0%	0%
27	Dharmavaram	86%	14%	0%	0%	0%	0%
28	Hindupur	77%	17%	5%	0%	0%	0%
29	Chittoor	65%	25%	7%	3%	0%	0%
30	Nagari	46%	35%	10%	8%	1%	0%
31	Lakkyreddy Palli	70%	21%	4%	4%	0%	0%
32	Aallagadda	56%	32%	8%	5%	0%	0%
33	Dhone	69%	25%	5%	2%	1%	0%
34	Ramachadrapuram	71%	24%	5%	0%	0%	0%
35	Miryalguda	81%	15%	4%	1%	0%	0%
36	Nalgonda	85%	11%	2%	1%	0%	0%
37	Bodhan	81%	13%	5%	1%	0%	0%
38	Kama Reddy	82%	14%	3%	0%	0%	0%
39	Thandur	79%	17%	3%	0%	1%	0%
40	Kazipet	79%	21%	1%	0%	0%	0%

Work history for each site

Site Number	Site name	Sex Work Type (tb05)			% of FSW who do other work in addition to sex work	Mean age at first sex	Mean age at first sex for money	Length as sex worker (in years)	Mean number of paying clients in last 7 days	Mean Rupees earned in last 7 days
		Brothel Based	Street Based	Home Based						
1	Anathapur	8%	62%	30%	30%	16	25	4	9	677
2	Gooty	0%	90%	10%	48%	15	23	7	7	267
3	Madanpally	4%	85%	11%	50%	16	23	4	10	778
4	Srikalahasti	15%	69%	17%	53%	15	23	6	6	356
5	Tirupathi	6%	67%	27%	48%	16	24	5	7	744
6	Kadapa	2%	86%	11%	71%	15	24	4	5	229
7	Adoni	1%	16%	83%	40%	15	24	4	6	442
8	Kurnool	1%	95%	4%	39%	15	24	4	8	597
9	Nandayal	5%	69%	27%	48%	15	24	4	6	456
10	Normal	1%	70%	29%	72%	15	23	4	5	256
11	Mancherial	3%	57%	40%	39%	15	21	5	9	762
12	Wankidi	0%	59%	41%	63%	15	24	5	4	208
13	Jagitial	2%	40%	58%	39%	15	23	4	5	378
14	Karimnagar	1%	50%	50%	25%	15	20	6	10	594
15	Metpally	4%	82%	15%	57%	15	24	4	3	304
16	Ramagundam	0%	95%	5%	60%	15	24	3	4	245
17	Bhadrachalam	0%	88%	12%	43%	16	24	3	5	329
18	Khammam	1%	89%	10%	42%	15	25	4	6	406
19	Índole	0%	94%	6%	46%	15	23	4	6	328
20	Ramayapet	4%	54%	42%	35%	15	20	5	11	646
21	Yadgirigutta	12%	8%	80%	6%	15	17	8	9	511
22	Armoor	1%	72%	27%	52%	15	22	5	5	323
23	Hayat nagar	0%	99%	1%	55%	14	25	3	5	405
24	Hasanparthy	7%	10%	83%	3%	15	17	5	12	1813
25	Hyderabad	0%	91%	9%	53%	15	22	4	6	520
26	Nizamabad	0%	99%	1%	50%	15	23	4	4	296
27	Dharmavaram	7%	84%	9%	35%	15	26	4	7	369
28	Hindupur	0%	100%	0%	40%	16	24	4	7	446
29	Chittoor	1%	97%	1%	53%	15	25	5	6	432
30	Nagari	0%	98%	2%	33%	15	24	5	11	570
31	Lakkyreddy Palli	0%	80%	20%	58%	15	25	4	6	376
32	Aallagadda	3%	81%	17%	46%	15	25	2	9	399
33	Dhone	0%	95%	5%	26%	15	23	3	9	438
34	Ramachadrapuram	0%	96%	4%	59%	15	24	4	5	400
35	Miryalguda	0%	95%	5%	81%	15	23	4	4	246
36	Nalgonda	0%	94%	6%	62%	15	23	4	6	247
37	Bodhan	0%	65%	35%	55%	15	23	6	6	301
38	Kama Reddy	1%	71%	28%	42%	15	23	5	7	388
39	Thandur	0%	98%	2%	61%	15	24	4	5	244
40	Kazipet	0%	89%	11%	46%	15	25	5	8	469

Social support for each site

Site number	Site name	% of FSW participate in any social activities	% of FSW participate in any social activities	% of FSW participate in any social activities	% of FSW participate in any social activities
		<i>All</i>	<i>Brothel Based</i>	<i>Street Based</i>	<i>Home Based</i>
1	Anathapur	71%	40%	68%	87%
2	Gooty	62%	-	62%	64%
3	Madanpally	78%	80%	77%	79%
4	Srikalahasti	76%	70%	75%	87%
5	Tirupathi	72%	85%	67%	81%
6	Kadapa	80%	67%	78%	100%
7	Adoni	80%	75%	67%	83%
8	Kurnool	76%	50%	75%	100%
9	Nandayal	81%	90%	80%	83%
10	Nirmal	68%	0%	65%	78%
11	Mancherial	62%	67%	61%	64%
12	Wankidi	79%	-	77%	83%
13	Jagitial	86%	100%	85%	87%
14	Karimnagar	75%	100%	75%	75%
15	Metpally	84%	86%	88%	63%
16	Ramagundam	53%	-	52%	71%
17	Bhadrachalam	85%	-	84%	88%
18	Khammam	82%	100%	82%	79%
19	Andole	86%	-	86%	83%
20	Ramayapet	76%	100%	71%	80%
21	Yadgirigutta	77%	87%	70%	76%
22	Armoor	87%	100%	90%	83%
23	Hayat nagar	66%	-	66%	50%
24	Hasanparthy	63%	33%	92%	62%
25	Hyderabad	81%	-	79%	100%
26	Nizamabad	62%	-	63%	0%
27	Dharmavaram	91%	75%	92%	100%
28	Hindupur	71%	-	71%	-
29	Chittoor	63%	50%	62%	100%
30	Nagari	75%	-	75%	100%
31	Lakkyreddy Palli	81%	-	76%	100%
32	Aallagadda	93%	40%	94%	94%
33	Dhone	90%	-	90%	100%
34	Ramachadrapuram	74%	-	73%	100%
35	Miryalguda	79%	-	77%	100%
36	Nalgonda	54%	-	53%	70%
37	Bodhan	71%	-	69%	75%
38	Kama Reddy	66%	0%	63%	78%
39	Thandur	90%	-	90%	100%
40	Kazipet	61%	-	60%	69%

Site number	Site name	% of FSW who Participated in a Support group	% of FSW who Participated in a Support group	% of FSW who Participated in a Support group	% of FSW who Participated in a Support group
		<i>All</i>	<i>Brothel Based</i>	<i>Street Based</i>	<i>Home Based</i>
1	Anathapur	18%	10%	20%	18%
2	Gooty	0%	-	0%	0%
3	Madanpally	22%	20%	24%	14%
4	Srikalahasti	26%	10%	28%	35%
5	Tirupathi	24%	23%	24%	27%
6	Kadapa	3%	0%	2%	7%
7	Adoni	0%	0%	0%	0%
8	Kurnool	8%	0%	8%	0%
9	Nandayal	0%	0%	0%	0%
10	Nirmal	24%	100%	21%	28%
11	Mancherial	0%	0%	0%	0%
12	Wankidi	5%	-	5%	4%
13	Jagitial	1%	0%	0%	1%
14	Karimnagar	0%	0%	0%	0%
15	Metpally	7%	0%	7%	7%
16	Ramagundam	0%	-	0%	0%
17	Bhadrachalam	9%	-	9%	8%
18	Khammam	12%	33%	12%	13%
19	Andole	0%	-	0%	0%
20	Ramayapet	16%	0%	0%	39%
21	Yadgirigutta	16%	20%	0%	17%
22	Armoor	0%	0%	0%	0%
23	Hayat nagar	6%	-	6%	0%
24	Hasanparthy	6%	20%	0%	5%
25	Hyderabad	18%	-	18%	20%
26	Nizamabad	22%	-	22%	0%
27	Dharmavaram	0%	0%	0%	0%
28	Hindupur	0%	-	0%	0%
29	Chittoor	0%	-	0%	0%
30	Nagari	45%	-	45%	67%
31	Lakkyreddy Palli	34%	-	31%	47%
32	Aallagadda	2%	20%	1%	3%
33	Dhone	1%	-	1%	0%
34	Ramachadrapuram	0%	-	0%	0%
35	Miryalguda	0%	-	0%	0%
36	Nalgonda	1%	-	0%	10%
37	Bodhan	0%	-	0%	0%
38	Kama Reddy	22%	0%	19%	33%
39	Thandur	0%	-	0%	0%
40	Kazipet	2%	-	2%	6%

Site number	Site name	% of FSW where their family is aware of their sex work	% of FSW where their family is aware of their sex work	% of FSW where their family is aware of their sex work	% of FSW where their family is aware of their sex work
		All	Brothel Based	Street Based	Home Based
1	Anathapur	18%	70%	10%	21%
2	Gooty	24%	-	20%	64%
3	Madanpally	21%	0%	20%	36%
4	Srikalahasti	42%	30%	39%	61%
5	Tirupathi	28%	31%	19%	49%
6	Kadapa	7%	17%	6%	12%
7	Adoni	37%	25%	29%	39%
8	Kurnool	26%	100%	26%	22%
9	Nandayal	28%	40%	21%	45%
10	Nirmal	27%	0%	26%	29%
11	Mancherial	48%	100%	14%	91%
12	Wankidi	21%	-	11%	37%
13	Jagitial	40%	67%	15%	56%
14	Karimnagar	55%	100%	17%	93%
15	Metpally	15%	0%	9%	47%
16	Ramagundam	7%	-	5%	57%
17	Bhadrachalam	15%	-	12%	42%
18	Khammam	20%	33%	16%	46%
19	Andole	37%	-	35%	67%
20	Ramayapet	67%	75%	47%	92%
21	Yadgirigutta	93%	100%	30%	98%
22	Armoor	26%	0%	12%	64%
23	Hayat nagar	18%	-	17%	25%
24	Hasanparthy	88%	87%	21%	96%
25	Hyderabad	23%	-	26%	0%
26	Nizamabad	27%	-	26%	100%
27	Dharmavaram	5%	0%	4%	20%
28	Hindupur	8%	-	8%	-
29	Chittoor	37%	0%	36%	100%
30	Nagari	60%	-	59%	100%
31	Lakkyreddy Palli	58%	-	49%	93%
32	Aallagadda	14%	40%	8%	36%
33	Dhone	28%	-	27%	50%
34	Ramachadrapuram	31%	-	28%	100%
35	Miryalguda	23%	-	22%	29%
36	Nalgonda	21%	-	19%	56%
37	Bodhan	64%	-	50%	89%
38	Kama Reddy	58%	100%	44%	92%
39	Thandur	35%	-	36%	0%
40	Kazipet	40%	-	37%	63%

Site number	Site name	% of FSW where their family is aware of their sex work (By condom Use)	% of FSW where their family is aware of their sex work (By condom Use)	% of FSW who were hit or abused in the last 3 months	% of FSW who sought support after being hit or abused in the last 3 months
		No use of condom	Use Condom		
1	Anathapur	10%	22%	2%	0%
2	Gooty	25%	21%	6%	22%
3	Madanpally	21%	23%	9%	0%
4	Srikalahasti	43%	42%	6%	50%
5	Tirupathi	14%	29%	9%	42%
6	Kadapa	2%	11%	3%	0%
7	Adoni	14%	42%	0%	0%
8	Kurnool	13%	28%	8%	6%
9	Nandayal	22%	30%	3%	0%
10	Nirmal	19%	29%	6%	0%
11	Mancherial	11%	59%	2%	0%
12	Wankidi	23%	19%	4%	29%
13	Jagitial	38%	41%	4%	60%
14	Karimnagar	0%	61%	3%	33%
15	Metpally	12%	16%	9%	24%
16	Ramagundam	14%	4%	2%	50%
17	Bhadrachalam	14%	16%	2%	25%
18	Khammam	15%	20%	13%	19%
19	Andole	25%	43%	10%	0%
20	Ramayapet	54%	68%	4%	40%
21	Yadgirigutta	50%	94%	2%	50%
22	Armoor	3%	33%	7%	0%
23	Hayat nagar	11%	18%	12%	28%
24	Hasanparthy	0%	90%	1%	67%
25	Hyderabad	10%	28%	5%	0%
26	Nizamabad	12%	31%	17%	38%
27	Dharmavaram	7%	5%	0%	-
28	Hindupur	11%	10%	2%	33%
29	Chittoor	18%	41%	6%	56%
30	Nagari	50%	60%	17%	50%
31	Lakkyreddy Palli	38%	58%	3%	0%
32	Aallagadda	12%	15%	2%	33%
33	Dhone	40%	23%	2%	50%
34	Ramachadrapuram	0%	32%	1%	0%
35	Miryalguda	24%	22%	13%	18%
36	Nalgonda	23%	23%	4%	0%
37	Bodhan	39%	74%	1%	0%
38	Kama Reddy	24%	64%	3%	60%
39	Thandur	30%	38%	4%	60%
40	Kazipet	50%	46%	1%	50%

Site number	Site name	Composite 'lifeskills' score	Composite 'count on' score
1	Anathapur	30	20
2	Gooty	25	19
3	Madanpally	36	24
4	Srikalahasti	30	21
5	Tirupathi	35	21
6	Kadapa	24	19
7	Adoni	30	22
8	Kurnool	31	20
9	Nandayal	32	23
10	Nirmal	27	20
11	Mancherial	33	25
12	Wankidi	20	20
13	Jagitial	29	24
14	Karimnagar	34	25
15	Metpally	27	23
16	Ramagundam	19	18
17	Bhadrachalam	28	19
18	Khammam	31	21
19	Andole	27	21
20	Ramayapet	37	27
21	Yadgirigutta	41	30
22	Armoor	30	23
23	Hayat nagar	30	23
24	Hasanparthy	41	30
25	Hyderabad	33	24
26	Nizamabad	34	21
27	Dharmavaram	26	20
28	Hindupur	24	20
29	Chittoor	28	20
30	Nagari	41	22
31	Lakkyreddy Palli	36	22
32	Aallagadda	25	20
33	Dhone	25	22
34	Ramachadrapuram	33	22
35	Miryalguda	25	19
36	Nalgonda	23	20
37	Bodhan	29	21
38	Kama Reddy	32	22
39	Thandur	23	19
40	Kazipet	28	20

HIV awareness and knowledge for each site

Site number	Site name	% of FSW who have ever heard of AIDS	% of FSW who know the two major preventive methods for HIV/AIDS
			Use Condom/ Non-penetrative sex
1	Anathapur	80%	1%
2	Gooty	80%	1%
3	Madanpally	90%	1%
4	Srikalahasti	78%	1%
5	Tirupathi	92%	1%
6	Kadapa	66%	0%
7	Adoni	82%	1%
8	Kurnool	92%	1%
9	Nandayal	88%	0%
10	Nirmal	85%	0%
11	Mancherial	80%	0%
12	Wankidi	45%	1%
13	Jagitlial	65%	2%
14	Karimnagar	94%	0%
15	Metpally	67%	1%
16	Ramagundam	61%	0%
17	Bhadrachalam	78%	0%
18	Khammam	69%	2%
19	Andole	70%	2%
20	Ramayapet	94%	2%
21	Yadgirigutta	99%	0%
22	Armoor	84%	0%
23	Hayat nagar	63%	0%
24	Hasanparthy	99%	0%
25	Hyderabad	83%	1%
26	Nizamabad	83%	1%
27	Dharmavaram	72%	0%
28	Hindupur	71%	1%
29	Chittoor	96%	1%
30	Nagari	99%	2%
31	Lakkyreddy Palli	98%	0%
32	Aallagadda	79%	1%
33	Dhone	85%	0%
34	Ramachadrapuram	100%	0%
35	Miryalguda	88%	0%
36	Nalgonda	74%	0%
37	Bodhan	75%	0%
38	Kama Reddy	84%	0%
39	Thandur	80%	0%
40	Kazipet	78%	0%

Main sources of information about HIV/AIDS (How to Prevent HIV infection)									
Site number	Site name	New paper/radio	Posters	Government	NGO	FSW	Peer Educator	Client	Other
1	Anathapur	60%	1%	7%	71%	12%	5%	1%	10%
2	Gooty	57%	8%	8%	0%	40%	0%	30%	22%
3	Madanpally	56%	0%	5%	31%	48%	7%	38%	7%
4	Srikalahasti	79%	18%	27%	52%	46%	3%	35%	30%
5	Tirupathi	56%	5%	2%	67%	24%	9%	11%	14%
6	Kadapa	46%	7%	22%	16%	39%	2%	22%	12%
7	Adoni	34%	8%	11%	22%	20%	48%	13%	8%
8	Kurnool	58%	5%	21%	63%	50%	2%	11%	10%
9	Nandayal	33%	15%	8%	68%	35%	8%	6%	6%
10	Nirmal	55%	17%	31%	33%	41%	0%	19%	5%
11	Mancherial	49%	5%	4%	75%	29%	2%	5%	15%
12	Wankidi	41%	16%	16%	60%	24%	11%	16%	11%
13	Jagitial	79%	19%	46%	2%	12%	2%	4%	6%
14	Karimnagar	49%	4%	24%	6%	67%	16%	6%	14%
15	Metpally	48%	3%	15%	59%	16%	7%	11%	1%
16	Ramagundam	68%	37%	21%	0%	32%	0%	26%	0%
17	Bhadrachalam	59%	16%	10%	32%	34%	1%	4%	4%
18	Khammam	56%	2%	5%	68%	33%	6%	6%	2%
19	Andole	44%	0%	19%	16%	41%	0%	9%	19%
20	Ramayapet	60%	14%	29%	34%	90%	37%	42%	21%
21	Yadgirigutta	37%	17%	26%	39%	46%	22%	3%	18%
22	Armoor	61%	16%	32%	21%	51%	23%	9%	11%
23	Hayat nagar	36%	0%	4%	64%	28%	8%	4%	8%
24	Hasanparthy	47%	5%	4%	88%	31%	4%	1%	2%
25	Hyderabad	75%	13%	12%	58%	70%	32%	53%	8%
26	Nizamabad	68%	6%	10%	43%	26%	1%	9%	12%
27	Dharmavaram	63%	10%	17%	0%	40%	0%	30%	30%
28	Hindupur	92%	41%	25%	0%	53%	0%	24%	27%
29	Chittoor	54%	3%	26%	0%	70%	2%	62%	14%
30	Nagari	49%	30%	2%	82%	51%	12%	13%	12%
31	Lakkyreddy Palli	54%	16%	13%	83%	30%	13%	4%	3%
32	Aallagadda	94%	33%	19%	0%	19%	1%	8%	6%
33	Dhone	92%	49%	14%	0%	20%	0%	17%	3%
34	Ramachadrapuram	75%	16%	13%	2%	66%	18%	41%	12%
35	Miryalguda	46%	7%	22%	0%	58%	0%	53%	15%
36	Nalgonda	66%	7%	5%	0%	25%	2%	48%	25%
37	Bodhan	85%	38%	13%	0%	72%	9%	28%	25%
38	Kama Reddy	69%	20%	5%	71%	49%	20%	24%	21%
39	Thandur	67%	19%	6%	0%	58%	2%	42%	29%
40	Kazipet	70%	20%	15%	0%	64%	18%	23%	8%

Main sources of information about HIV/AIDS (Hear about HIV)									
Site number	Site name	New paper/radio	Posters	Government	NGO	FSW	Peer Educator	Client	Other
1	Anathapur	73%	6%	14%	60%	17%	8%	4%	17%
2	Gooty	52%	7%	10%	0%	40%	0%	22%	35%
3	Madanpally	55%	4%	7%	44%	75%	5%	38%	14%
4	Srikalahasti	81%	22%	21%	30%	50%	2%	21%	27%
5	Tirupathi	54%	8%	3%	61%	33%	8%	19%	21%
6	Kadapa	48%	6%	17%	10%	41%	3%	26%	27%
7	Adoni	44%	8%	12%	19%	23%	48%	17%	18%
8	Kurnool	59%	5%	19%	54%	55%	2%	12%	17%
9	Nandayal	35%	14%	9%	53%	36%	6%	15%	22%
10	Nirmal	43%	5%	27%	40%	50%	1%	17%	11%
11	Mancherial	59%	9%	12%	67%	25%	1%	5%	23%
12	Wankidi	53%	16%	12%	51%	21%	7%	8%	17%
13	Jagitlial	81%	17%	43%	0%	16%	1%	2%	2%
14	Karimnagar	49%	2%	20%	4%	68%	12%	15%	20%
15	Metpally	62%	8%	18%	46%	26%	2%	5%	10%
16	Ramagundam	52%	12%	22%	1%	22%	0%	24%	15%
17	Bhadrachalam	64%	16%	7%	27%	32%	1%	5%	11%
18	Khammam	63%	2%	4%	63%	33%	5%	4%	5%
19	Andole	47%	9%	14%	6%	62%	0%	15%	23%
20	Ramayapet	69%	29%	23%	30%	91%	28%	32%	19%
21	Yadgirigutta	41%	12%	26%	38%	48%	23%	6%	18%
22	Armoor	61%	11%	30%	11%	62%	15%	13%	8%
23	Hayat nagar	37%	2%	2%	39%	52%	8%	9%	11%
24	Hasanparthy	63%	9%	8%	84%	41%	6%	1%	2%
25	Hyderabad	75%	10%	10%	40%	68%	24%	49%	14%
26	Nizamabad	70%	8%	9%	37%	35%	1%	10%	21%
27	Dharmavaram	66%	10%	17%	0%	39%	0%	22%	27%
28	Hindupur	75%	21%	18%	0%	50%	0%	15%	29%
29	Chittoor	49%	3%	22%	0%	65%	3%	60%	28%
30	Nagari	50%	29%	1%	81%	52%	13%	13%	16%
31	Lakkyreddy Palli	55%	17%	13%	81%	34%	14%	4%	12%
32	Aallagadda	66%	17%	13%	0%	40%	1%	8%	23%
33	Dhone	79%	33%	9%	0%	22%	2%	12%	15%
34	Ramachadrapuram	74%	20%	12%	3%	67%	18%	44%	24%
35	Miryalguda	47%	15%	11%	0%	64%	2%	36%	36%
36	Nalgonda	60%	6%	4%	0%	37%	0%	22%	42%
37	Bodhan	78%	33%	10%	0%	73%	12%	30%	27%
38	Kama Reddy	70%	16%	5%	67%	59%	22%	25%	25%
39	Thandur	63%	15%	7%	1%	67%	1%	28%	34%
40	Kazipet	80%	21%	16%	0%	53%	12%	38%	18%

Site number	Site name	% of FSW who have ever had an HIV/AIDS test	Knowledge about testing facilities in area
1	Anathapur	14%	50%
2	Gooty	3%	32%
3	Madanpally	4%	68%
4	Srikalahasti	4%	50%
5	Tirupathi	21%	67%
6	Kadapa	4%	33%
7	Adoni	1%	25%
8	Kurnool	10%	48%
9	Nandayal	12%	36%
10	Nirmal	1%	54%
11	Mancherial	39%	47%
12	Wankidi	1%	23%
13	Jagitial	12%	48%
14	Karimnagar	10%	58%
15	Metpally	9%	40%
16	Ramagundam	0%	13%
17	Bhadrachalam	1%	36%
18	Khammam	11%	44%
19	Andole	0%	36%
20	Ramayapet	9%	85%
21	Yadgirigutta	42%	88%
22	Armoor	4%	53%
23	Hayat nagar	11%	23%
24	Hasanparthy	31%	82%
25	Hyderabad	10%	57%
26	Nizamabad	23%	55%
27	Dharmavaram	0%	26%
28	Hindupur	2%	39%
29	Chittoor	2%	53%
30	Nagari	15%	55%
31	Lakkyreddy Palli	12%	60%
32	Aallagadda	2%	40%
33	Dhone	0%	39%
34	Ramachadrapuram	10%	67%
35	Miryalguda	3%	50%
36	Nalgonda	1%	44%
37	Bodhan	5%	35%
38	Kama Reddy	7%	53%
39	Thandur	0%	43%
40	Kazipet	9%	32%

Treatment seeking behavior for STI for each site

Site number	Site name	Proportion of FSW who have experienced STI symptoms in the 12 months	Of those who had symptoms, proportion who sought treatment for last episode	Of those FSW who did not seek treatment, reasons for not seeking treatment						
				Not necessary	No money	No Time	Too Embarrassed	Not Know any place	Too Frightened	Other
1	Anathapur	10%	100%	-	-	-	-	-	-	-
2	Gooty	16%	77%	33%	33%	0%	50%	17%	17%	0%
3	Madanpally	21%	96%	100%	0%	0%	0%	0%	0%	0%
4	Srikalahasti	16%	86%	0%	0%	25%	25%	0%	0%	0%
5	Tirupathi	8%	82%	43%	14%	0%	43%	14%	0%	0%
6	Kadapa	10%	87%	33%	33%	33%	0%	0%	0%	33%
7	Adoni	4%	73%	67%	0%	33%	33%	0%	33%	0%
8	Kurnool	12%	79%	29%	43%	14%	29%	43%	43%	0%
9	Nandayal	4%	100%	-	-	-	-	-	-	-
10	Nirmal	14%	88%	33%	33%	0%	33%	0%	0%	0%
11	Mancherial	11%	95%	100%	0%	0%	0%	0%	0%	100%
12	Wankidi	5%	100%	-	-	-	-	-	-	-
13	Jagitial	9%	82%	0%	50%	100%	0%	0%	50%	0%
14	Karimnagar	6%	70%	0%	25%	0%	25%	25%	0%	25%
15	Metpally	15%	79%	17%	0%	33%	50%	0%	0%	0%
16	Ramagundam	2%	100%	-	-	-	-	-	-	-
17	Bhadrachalam	7%	85%	0%	0%	50%	0%	50%	0%	0%
18	Khammam	13%	84%	0%	40%	20%	20%	0%	20%	0%
19	Andole	9%	50%	0%	0%	0%	75%	0%	25%	0%
20	Ramayapet	20%	100%	-	-	-	-	-	-	-
21	Yadgirigutta	15%	100%	-	-	-	-	-	-	-
22	Armoor	14%	95%	0%	0%	0%	50%	50%	0%	0%
23	Hayat nagar	6%	94%	100%	0%	0%	0%	0%	0%	0%
24	Hasanparthy	10%	68%	71%	0%	43%	0%	14%	29%	0%
25	Hyderabad	10%	77%	14%	0%	43%	29%	14%	0%	14%
26	Nizamabad	12%	76%	33%	22%	0%	33%	22%	11%	11%
27	Dharmavaram	5%	100%	-	-	-	-	-	-	-
28	Hindupur	5%	75%	33%	33%	0%	0%	33%	0%	0%
29	Chittoor	13%	100%	0%	0%	0%	100%	0%	0%	0%
30	Nagari	12%	88%	0%	50%	0%	50%	0%	50%	0%
31	Lakkyreddy Palli	14%	97%	0%	100%	0%	0%	0%	0%	0%
32	Aallagadda	6%	73%	33%	33%	0%	0%	33%	0%	0%
33	Dhone	7%	100%	-	-	-	-	-	-	-
34	Ramachadrapuram	14%	94%	100%	0%	0%	100%	0%	0%	0%
35	Miryalguda	15%	90%	50%	0%	50%	50%	0%	0%	0%
36	Nalgonda	11%	74%	60%	20%	0%	0%	20%	0%	0%
37	Bodhan	3%	50%	100%	0%	0%	0%	0%	0%	0%
38	Kama Reddy	4%	71%	50%	0%	50%	0%	50%	0%	0%
39	Thandur	19%	100%	75%	25%	25%	0%	0%	25%	0%
40	Kazipet	3%	100%	-	-	-	-	-	-	-

Condom use for each site

Site number	Site name	Transaction frequency				
		< 3 partners a week	Around 1 partner a day	Around 2 partners a days	Around 3-4 partners a day	> 4 partners a day
1	Anathapur	0%	52%	23%	13%	13%
2	Gooty	6%	49%	20%	4%	20%
3	Madanpally	0%	41%	43%	10%	6%
4	Srikalahasti	10%	54%	15%	7%	15%
5	Tirupathi	8%	48%	22%	10%	13%
6	Kadapa	14%	52%	11%	2%	22%
7	Adoni	2%	76%	12%	1%	10%
8	Kurnool	7%	36%	37%	8%	12%
9	Nandayal	5%	60%	26%	2%	9%
10	Nirmal	17%	67%	7%	0%	9%
11	Mancherial	2%	53%	34%	9%	3%
12	Wankidi	14%	65%	11%	0%	11%
13	Jagitial	19%	51%	12%	2%	16%
14	Karimnagar	3%	51%	28%	16%	3%
15	Metpally	16%	57%	8%	1%	20%
16	Ramagundam	1%	81%	5%	1%	13%
17	Bhadrachalam	7%	65%	11%	1%	16%
18	Khammam	5%	59%	18%	6%	14%
19	Andole	6%	57%	16%	5%	15%
20	Ramayapet	1%	47%	26%	21%	5%
21	Yadgirigutta	4%	47%	26%	14%	9%
22	Armoor	5%	60%	15%	1%	20%
23	Hayat nagar	5%	62%	16%	4%	13%
24	Hasanparthy	0%	25%	51%	20%	4%
25	Hyderabad	15%	55%	15%	3%	11%
26	Nizamabad	15%	51%	10%	2%	22%
27	Dharmavaram	9%	63%	16%	5%	7%
28	Hindupur	6%	55%	23%	2%	13%
29	Chittoor	12%	60%	17%	5%	7%
30	Nagari	4%	22%	27%	26%	21%
31	Lakkyreddy Palli	10%	62%	16%	6%	7%
32	Aallagadda	2%	62%	25%	6%	5%
33	Dhone	0%	52%	35%	7%	6%
34	Ramachadrapuram	11%	76%	6%	0%	6%
35	Miryalguda	16%	65%	6%	0%	13%
36	Nalgonda	9%	51%	24%	2%	14%
37	Bodhan	6%	66%	15%	0%	13%
38	Kama Reddy	3%	76%	15%	2%	5%
39	Thandur	12%	63%	10%	1%	15%
40	Kazipet	0%	67%	26%	1%	6%

		% of FSW who have never used a condom		Reasons for not using a condom					
Site number	Site name	Never Use Condom	Not Available	Too Expensive	The Client Object	Don't Like	Not Necessary	Don't Think	Want to have Children
1	Anathapur	23%	0%	3%	0%	11%	0%	0%	0%
2	Gooty	39%	0%	0%	3%	8%	17%	14%	0%
3	Madanpally	11%	0%	0%	0%	22%	30%	4%	0%
4	Srikalahasti	32%	0%	0%	0%	28%	41%	41%	0%
5	Tirupathi	10%	0%	4%	13%	29%	33%	25%	0%
6	Kadapa	41%	0%	0%	1%	5%	13%	8%	0%
7	Adoni	19%	0%	3%	5%	34%	8%	5%	2%
8	Kurnool	10%	0%	0%	6%	12%	9%	9%	0%
9	Nandayal	16%	0%	5%	0%	14%	0%	11%	0%
10	Nirmal	18%	3%	7%	0%	16%	16%	19%	0%
11	Mancherial	10%	0%	0%	0%	0%	0%	2%	0%
12	Wankidi	37%	0%	0%	7%	14%	17%	14%	1%
13	Jagitial	26%	9%	6%	15%	12%	32%	32%	0%
14	Karimnagar	5%	0%	6%	6%	0%	19%	6%	0%
15	Metpally	30%	0%	2%	2%	10%	26%	25%	2%
16	Ramagundam	31%	0%	1%	0%	10%	0%	0%	0%
17	Bhadrachalam	14%	0%	0%	3%	5%	19%	16%	0%
18	Khammam	16%	2%	2%	0%	12%	24%	15%	0%
19	Andole	34%	0%	0%	0%	6%	52%	15%	0%
20	Ramayapet	9%	0%	0%	0%	0%	15%	8%	0%
21	Yadgirigutta	2%	0%	0%	0%	50%	0%	0%	0%
22	Armoor	25%	3%	0%	3%	13%	22%	19%	0%
23	Hayat nagar	10%	0%	0%	0%	3%	8%	23%	0%
24	Hasanparthy	3%	0%	0%	33%	17%	17%	0%	0%
25	Hyderabad	23%	0%	0%	0%	7%	11%	13%	0%
26	Nizamabad	19%	0%	3%	3%	10%	15%	21%	0%
27	Dharmavaram	26%	0%	0%	0%	5%	11%	5%	0%
28	Hindupur	23%	2%	0%	0%	0%	4%	6%	2%
29	Chittoor	11%	0%	0%	9%	32%	23%	32%	0%
30	Nagari	3%	0%	0%	0%	75%	0%	25%	0%
31	Lakkyreddy Palli	4%	0%	0%	10%	50%	20%	10%	0%
32	Aallagadda	34%	0%	0%	0%	6%	14%	20%	1%
33	Dhone	27%	0%	0%	0%	2%	0%	0%	0%
34	Ramachadrapuram	3%	0%	0%	0%	0%	0%	25%	0%
35	Miryalguda	29%	0%	0%	0%	21%	42%	37%	0%
36	Nalgonda	42%	0%	0%	0%	18%	31%	11%	1%
37	Bodhan	23%	4%	0%	0%	4%	0%	9%	0%
38	Kama Reddy	14%	0%	0%	0%	0%	0%	3%	0%
39	Thandur	38%	0%	0%	0%	31%	39%	41%	2%
40	Kazipet	14%	0%	0%	0%	9%	0%	0%	0%

Site number	Site name	% of FSW who reported getting condoms for free in last month	Frequency distribution of where they got the condoms for free							% of sw who reported condom use with all last 3 clients
			From a Clinic	From an NGO	From a Retail Store	From a Hotel	From a Gate Keeper	From Workplace	any other Place	
1	Anathapur	63%	9%	85%	0%	0%	4%	0%	2%	49%
2	Gooty	4%	100%	0%	0%	0%	0%	0%	0%	33%
3	Madanpally	75%	0%	68%	17%	9%	4%	1%	1%	72%
4	Srikalahasti	46%	6%	65%	0%	0%	4%	21%	4%	48%
5	Tirupathi	80%	2%	88%	2%	0%	2%	6%	2%	70%
6	Kadapa	17%	8%	69%	8%	4%	0%	8%	4%	22%
7	Adoni	66%	8%	28%	1%	0%	0%	1%	62%	43%
8	Kurnool	66%	7%	89%	1%	0%	2%	0%	2%	49%
9	Nandayal	55%	11%	86%	0%	0%	0%	0%	2%	53%
10	Nirmal	66%	3%	92%	0%	0%	0%	0%	6%	48%
11	Mancherial	72%	9%	67%	23%	0%	0%	0%	2%	79%
12	Wankidi	26%	2%	88%	0%	0%	2%	0%	7%	26%
13	Jagitial	29%	12%	0%	0%	0%	24%	24%	35%	40%
14	Karimnagar	65%	66%	17%	0%	0%	2%	0%	15%	77%
15	Metpally	53%	7%	84%	4%	0%	0%	0%	6%	37%
16	Ramagundam	1%	100%	0%	0%	0%	0%	0%	0%	19%
17	Bhadrachalam	60%	17%	77%	5%	0%	0%	0%	2%	41%
18	Khammam	70%	1%	86%	5%	1%	2%	0%	6%	59%
19	Andole	24%	0%	39%	0%	0%	0%	0%	62%	34%
20	Ramayapet	75%	8%	69%	11%	1%	0%	1%	8%	75%
21	Yadgirigutta	79%	17%	67%	0%	0%	0%	0%	16%	93%
22	Armoor	42%	50%	18%	0%	0%	0%	3%	29%	42%
23	Hayat nagar	66%	0%	74%	8%	0%	0%	11%	7%	64%
24	Hasanparthy	97%	1%	97%	1%	0%	2%	0%	1%	93%
25	Hyderabad	61%	1%	79%	11%	0%	4%	1%	4%	61%
26	Nizamabad	61%	3%	43%	11%	33%	3%	0%	7%	64%
27	Dharmavaram	27%	86%	0%	0%	0%	0%	0%	14%	31%
28	Hindupur	20%	94%	0%	0%	6%	0%	0%	0%	34%
29	Chittoor	13%	33%	0%	0%	11%	33%	22%	0%	33%
30	Nagari	91%	0%	88%	6%	0%	5%	1%	1%	87%
31	Lakkyreddy Palli	88%	1%	97%	0%	0%	0%	1%	2%	72%
32	Aallagadda	8%	88%	13%	0%	0%	0%	0%	0%	42%
33	Dhone	27%	100%	0%	0%	0%	0%	0%	0%	36%
34	Ramachadrapuram	19%	27%	55%	0%	0%	0%	0%	18%	57%
35	Miryalguda	5%	33%	0%	0%	0%	33%	0%	33%	31%
36	Nalgonda	3%	100%	0%	0%	0%	0%	0%	0%	22%
37	Bodhan	23%	63%	0%	0%	0%	0%	0%	38%	51%
38	Kama Reddy	68%	1%	96%	1%	0%	0%	0%	2%	61%
39	Thandur	24%	19%	0%	0%	5%	5%	0%	71%	28%
40	Kazipet	15%	64%	36%	0%	0%	0%	0%	0%	58%

Annexure 2 – Men who have sex with men
Details for each site

Demographic details for each site

Site number	Site name	Age	Frequency distribution of MSM by marital status				Frequency distribution of MSM by caste			
			Married	Single	Divorced/ Separated	Widow	Forward Caste	Backward Caste	Scheduled Caste	Scheduled Tribe
1	Anathapur	28	47%	49%	2%	2%	10%	55%	26%	1%
2	Gooty	29	20%	73%	4%	3%	7%	52%	33%	0%
3	Madanpally	30	33%	54%	9%	4%	18%	30%	15%	3%
4	Srikalahasti	27	33%	58%	8%	1%	11%	43%	33%	5%
5	Tirupathi	29	35%	52%	8%	4%	33%	48%	13%	2%
6	Kadapa	27	34%	60%	4%	1%	9%	35%	12%	2%
7	Adoni	28	27%	68%	4%	1%	9%	41%	38%	2%
8	Kurnool	25	19%	77%	3%	1%	5%	45%	26%	1%
9	Nandayal	27	47%	44%	9%	0%	13%	40%	27%	4%
10	Nirmal	27	38%	61%	0%	1%	43%	36%	10%	10%
11	Mancherial	28	52%	43%	4%	1%	11%	41%	32%	5%
12	Wankidi	31	57%	41%	2%	1%	7%	36%	30%	7%
13	Jagitial	27	59%	37%	4%	0%	56%	29%	9%	0%
14	Karimnagar	30	57%	38%	3%	1%	29%	48%	18%	5%
15	Metpally	28	68%	25%	5%	2%	14%	49%	27%	9%
16	Ramagundam	28	39%	56%	5%	0%	9%	38%	38%	5%
17	Bhadrachalam	26	42%	57%	2%	0%	4%	51%	28%	10%
18	Khammam	27	44%	50%	4%	2%	18%	43%	20%	17%
19	Andole	28	56%	39%	6%	0%	6%	54%	38%	3%
20	Ramayapet	28	46%	49%	5%	0%	23%	43%	20%	1%
21	Yadgirigutta	31	33%	53%	13%	1%	8%	33%	57%	1%
22	Armoor	31	60%	35%	4%	1%	25%	52%	19%	2%
23	Hayat nagar	28	39%	56%	5%	1%	22%	35%	21%	22%
24	Hasanparthy	28	39%	55%	5%	1%	5%	42%	37%	7%
25	Hyderabad	27	15%	80%	4%	1%	22%	43%	23%	3%
26	Nizamabad	31	58%	30%	9%	3%	13%	58%	21%	2%
27	Dharmavaram	26	40%	56%	3%	1%	14%	46%	25%	1%
28	Hindupur	29	49%	47%	3%	1%	12%	53%	26%	1%
29	Chittoor	28	43%	51%	4%	3%	21%	42%	24%	1%
30	Nagari	29	33%	51%	11%	5%	11%	40%	29%	3%
31	Lakkyreddy Palli	29	39%	54%	7%	1%	13%	43%	20%	1%
32	Aallagadda	27	46%	54%	1%	0%	13%	44%	28%	4%
33	Dhone	28	32%	64%	3%	1%	15%	47%	27%	2%
34	Ramachadrapuram	27	42%	52%	4%	2%	11%	41%	27%	3%
35	Miryalguda	27	45%	50%	4%	1%	17%	37%	20%	22%
36	Nalgonda	27	43%	51%	5%	1%	14%	48%	26%	2%
37	Bodhan	27	45%	46%	8%	1%	16%	46%	18%	6%
38	Kama Reddy	28	53%	44%	3%	0%	19%	47%	23%	2%
39	Thandur	27	32%	57%	10%	1%	17%	34%	23%	1%
40	Kazipet	30	49%	43%	5%	3%	13%	48%	24%	3%

Site number	Site name	Frequency distribution of MSM by religion				% of MSM with children & mean number of children for those with children	
		<i>hindu</i>	<i>muslim</i>	<i>christian</i>	<i>Sikh</i>	<i>Have Children</i>	<i>No. Children</i>
1	Anathapur	89%	11%	1%	0%	46%	2
2	Gooty	88%	9%	3%	0%	29%	2
3	Madanpally	67%	30%	3%	0%	39%	2
4	Srikalahasti	91%	8%	1%	0%	41%	2
5	Tirupathi	95%	5%	0%	0%	41%	2
6	Kadapa	54%	42%	4%	0%	32%	2
7	Adoni	90%	9%	1%	0%	28%	2
8	Kurnool	75%	18%	8%	0%	20%	2
9	Nandayal	85%	14%	1%	0%	46%	2
10	Nirmal	60%	40%	0%	0%	32%	2
11	Mancherial	89%	9%	1%	0%	50%	2
12	Wankidi	75%	23%	0%	0%	53%	3
13	Jagitial	35%	65%	0%	0%	56%	2
14	Karimnagar	72%	27%	0%	0%	51%	2
15	Metpally	85%	13%	1%	1%	61%	2
16	Ramagundam	88%	10%	2%	0%	41%	2
17	Bhadrachalam	93%	6%	2%	0%	36%	2
18	Khammam	81%	9%	10%	0%	46%	2
19	Andole	92%	4%	4%	0%	57%	2
20	Ramayapet	70%	27%	3%	0%	45%	2
21	Yadgirigutta	96%	4%	0%	0%	30%	2
22	Armoor	67%	25%	2%	6%	52%	2
23	Hayat nagar	88%	9%	3%	0%	38%	2
24	Hasanparthy	92%	5%	3%	0%	38%	2
25	Hyderabad	80%	15%	3%	0%	18%	2
26	Nizamabad	88%	12%	0%	0%	61%	2
27	Dharmavaram	84%	15%	1%	0%	34%	2
28	Hindupur	93%	7%	0%	0%	45%	2
29	Chittoor	88%	11%	1%	0%	46%	2
30	Nagari	83%	15%	3%	0%	43%	2
31	Lakkyreddy Palli	76%	22%	1%	0%	43%	2
32	Aallagadda	88%	10%	2%	0%	45%	2
33	Dhone	91%	9%	1%	0%	33%	2
34	Ramachadrapuram	82%	17%	1%	0%	42%	2
35	Miryalguda	95%	5%	0%	0%	48%	2
36	Nalgonda	87%	12%	1%	0%	43%	2
37	Bodhan	86%	14%	0%	0%	45%	2
38	Kama Reddy	91%	9%	1%	0%	45%	2
39	Thandur	71%	27%	2%	0%	37%	2
40	Kazipet	88%	8%	4%	0%	49%	2

Site number	Site name	Till what class have you studied (frequency distribution)						% MSM in sexual relationship with a male partner	% MSM living with a male sex partner
		Non formal Education	Primary School	Upper Primary School	High School	Senior Secondary	Technical or more		
1	Anathapur	26%	30%	19%	19%	4%	2%	100%	0%
2	Gooty	60%	18%	8%	12%	1%	1%	100%	7%
3	Madanpally	26%	23%	18%	21%	6%	5%	100%	5%
4	Srikalahasti	31%	36%	16%	13%	2%	2%	99%	5%
5	Tirupathi	15%	22%	21%	20%	13%	9%	100%	5%
6	Kadapa	41%	19%	13%	16%	7%	3%	99%	3%
7	Adoni	47%	19%	18%	17%	0%	0%	100%	20%
8	Kurnool	18%	23%	23%	20%	10%	5%	100%	3%
9	Nandayal	38%	12%	19%	25%	3%	3%	100%	12%
10	Nirmal	20%	17%	18%	31%	8%	6%	100%	7%
11	Mancherial	27%	18%	17%	23%	11%	4%	100%	3%
12	Wankidi	33%	23%	18%	19%	4%	3%	98%	3%
13	Jagitial	34%	22%	19%	20%	4%	1%	99%	6%
14	Karimnagar	37%	21%	19%	15%	7%	1%	99%	5%
15	Metpally	54%	25%	14%	3%	3%	0%	100%	9%
16	Ramagundam	33%	11%	20%	25%	8%	4%	100%	5%
17	Bhadrachalam	19%	22%	26%	23%	7%	3%	98%	10%
18	Khammam	28%	8%	15%	29%	8%	13%	99%	13%
19	Andole	60%	21%	11%	4%	1%	3%	100%	19%
20	Ramayapet	26%	23%	14%	20%	15%	3%	97%	8%
21	Yadgirigutta	34%	29%	18%	17%	1%	1%	98%	6%
22	Armoor	45%	22%	9%	15%	7%	3%	100%	9%
23	Hayat nagar	32%	23%	15%	18%	7%	6%	99%	4%
24	Hasanparthy	31%	13%	17%	24%	10%	5%	99%	11%
25	Hyderabad	24%	15%	14%	21%	11%	14%	100%	8%
26	Nizamabad	43%	16%	16%	14%	7%	3%	99%	9%
27	Dharmavaram	23%	34%	17%	19%	6%	1%	99%	6%
28	Hindupur	20%	25%	26%	20%	6%	3%	100%	0%
29	Chittoor	10%	14%	17%	36%	13%	11%	100%	2%
30	Nagari	32%	24%	21%	23%	0%	0%	100%	5%
31	Lakkyreddy Palli	26%	23%	21%	20%	7%	3%	99%	5%
32	Aallagadda	33%	24%	21%	16%	4%	2%	100%	8%
33	Dhone	32%	38%	18%	9%	2%	2%	100%	8%
34	Ramachadrapuram	14%	19%	21%	30%	7%	8%	100%	4%
35	Miryalguda	22%	32%	17%	15%	6%	9%	100%	6%
36	Nalgonda	22%	28%	17%	21%	7%	5%	99%	5%
37	Bodhan	35%	20%	21%	18%	5%	1%	100%	5%
38	Kama Reddy	33%	15%	26%	13%	9%	3%	99%	2%
39	Thandur	29%	33%	10%	17%	8%	4%	100%	2%
40	Kazipet	32%	23%	20%	16%	6%	3%	100%	5%

Frequency distribution of type of MSM*

Site number	Site name	<i>Kothi</i>	<i>Panthi</i>	<i>Double Decker</i>	<i>Hijara</i>
1	Anathapur	44%	47%	9%	1%
2	Gooty	79%	19%	3%	26%
3	Madanpally	61%	33%	6%	7%
4	Srikalahasti	56%	38%	6%	5%
5	Tirupathi	49%	38%	13%	3%
6	Kadapa	32%	57%	11%	1%
7	Adoni	64%	36%	1%	18%
8	Kurnool	50%	47%	4%	3%
9	Nandayal	53%	46%	1%	0%
10	Nirmal	27%	60%	13%	0%
11	Mancherial	30%	59%	11%	4%
12	Wankidi	36%	52%	12%	3%
13	Jagitial	19%	74%	7%	0%
14	Karimnagar	36%	42%	23%	1%
15	Metpally	23%	68%	9%	0%
16	Ramagundam	35%	63%	2%	5%
17	Bhadrachalam	58%	35%	7%	4%
18	Khammam	44%	38%	18%	4%
19	Andole	31%	47%	22%	0%
20	Ramayapet	31%	39%	30%	0%
21	Yadgirigutta	49%	32%	19%	0%
22	Armoor	38%	51%	12%	0%
23	Hayat nagar	56%	25%	20%	2%
24	Hasanparthy	59%	35%	6%	6%
25	Hyderabad	74%	10%	15%	3%
26	Nizamabad	52%	33%	15%	1%
27	Dharmavaram	35%	62%	3%	0%
28	Hindupur	39%	54%	7%	2%
29	Chittoor	38%	44%	18%	1%
30	Nagari	41%	37%	21%	3%
31	Lakkyreddy Palli	46%	46%	9%	15%
32	Aallagadda	53%	41%	7%	0%
33	Dhone	69%	29%	3%	13%
34	Ramachadrapuram	48%	40%	12%	3%
35	Miryalguda	54%	33%	13%	0%
36	Nalgonda	41%	47%	13%	7%
37	Bodhan	44%	45%	11%	0%
38	Kama Reddy	51%	37%	12%	0%
39	Thandur	45%	41%	14%	0%
40	Kazipet	46%	41%	13%	2%

* The primary classification of the types of MSM was self-identified *kothi*, *panthi* or *double decker*. In addition, the frequency of *hijaras* in the sample at each site is shown, which is a subset of *kothis*.

Work characteristics for each site

Site number	Site name	Mean Rupees earned in last 7 days
1	Anathapur	480
2	Gooty	446
3	Madanpally	487
4	Srikalahasti	487
5	Tirupathi	636
6	Kadapa	557
8	Kurnool	472
9	Nandayal	507
10	Nirmal	599
11	Mancherial	548
12	Wankidi	377
13	Jagitial	589
14	Karimnagar	474
15	Metpally	476
16	Ramagundam	669
17	Bhadrachalam	596
18	Khammam	506
19	Andole	469
20	Ramayapet	423
21	Yadgirigutta	490
22	Armoor	498
23	Hayat nagar	506
24	Hasanparthy	406
25	Hyderabad	601
26	Nizamabad	503
27	Dharmavaram	434
28	Hindupur	508
29	Chittoor	633
30	Nagari	468
31	Lakkyreddy Palli	515
32	Aallagadda	472
33	Dhone	467
34	Ramachadrapuram	621
35	Miryalguda	487
36	Nalgonda	641
37	Bodhan	573
38	Kama Reddy	525
39	Thandur	492
40	Kazipet	530

Social support for each site

Site number	Site name	% of MSM who participate in any social activities	% of MSM who have experienced problems in family because of sexual behaviors	% of MSM who have experienced problems in community because of sexual behaviors	% of MSM who were harassed for having sex with a male in the last 3 months (From the Total Surveyed)	% of MSM who sought support after being harassed for having sex with a male in the last 3 months
1	Anathapur	97%	10%	13%	2%	80%
2	Gooty	77%	33%	36%	3%	80%
3	Madanpally	76%	18%	13%	2%	100%
4	Srikalahasti	88%	13%	8%	0%	-
5	Tirupathi	93%	20%	18%	2%	50%
6	Kadapa	85%	5%	4%	1%	50%
7	Adoni	95%	15%	17%	2%	0%
8	Kurnool	95%	6%	9%	2%	83%
9	Nandayal	100%	16%	9%	0%	-
10	Nirmal	93%	2%	4%	0%	-
11	Mancherial	92%	8%	9%	1%	25%
12	Wankidi	92%	8%	8%	2%	33%
13	Jagitial	96%	4%	3%	1%	50%
14	Karimnagar	98%	8%	17%	3%	43%
15	Metpally	88%	3%	3%	1%	100%
16	Ramagundam	96%	11%	8%	1%	0%
17	Bhadrachalam	81%	11%	13%	0%	-
18	Khammam	94%	6%	13%	10%	57%
19	Andole	93%	3%	8%	1%	100%
20	Ramayapet	84%	6%	8%	3%	100%
21	Yadgirigutta	95%	19%	17%	6%	40%
22	Armoor	89%	11%	9%	2%	33%
23	Hayat nagar	93%	15%	27%	7%	61%
24	Hasanparthy	94%	16%	17%	5%	67%
25	Hyderabad	83%	7%	23%	9%	63%
26	Nizamabad	86%	12%	13%	1%	100%
27	Dharmavaram	89%	12%	14%	1%	50%
28	Hindupur	97%	10%	10%	0%	-
29	Chittoor	86%	9%	5%	0%	-
30	Nagari	88%	19%	21%	3%	100%
31	Lakkyreddy Palli	85%	28%	23%	1%	100%
32	Aallagadda	89%	32%	31%	3%	100%
33	Dhone	86%	39%	35%	2%	67%
34	Ramachadrapuram	82%	14%	14%	0%	-
35	Miryalguda	79%	7%	6%	1%	100%
36	Nalgonda	94%	16%	17%	3%	50%
37	Bodhan	88%	26%	23%	0%	-
38	Kama Reddy	90%	14%	15%	0%	-
39	Thandur	66%	6%	9%	3%	0%
40	Kazipet	88%	13%	11%	0%	-

Site number	Site name	Composite 'lifeskills' score	Composite 'count on' score
1	Anathapur	22	19
2	Gooty	21	18
3	Madanpally	22	18
4	Srikalahasti	21	18
5	Tirupathi	24	20
6	Kadapa	21	20
7	Adoni	17	16
8	Kurnool	23	19
9	Nandayal	19	17
10	Nirmal	19	19
11	Mancherial	19	19
12	Wankidi	14	18
13	Jagitial	18	19
14	Karimnagar	20	20
15	Metpally	16	18
16	Ramagundam	18	17
17	Bhadrachalam	20	19
18	Khammam	24	19
19	Andole	20	20
20	Ramayapet	21	19
21	Yadgirigutta	20	19
22	Armoor	18	19
23	Hayat nagar	25	19
24	Hasanparthy	21	18
25	Hyderabad	30	20
26	Nizamabad	22	19
27	Dharmavaram	20	18
28	Hindupur	20	18
29	Chittoor	20	21
30	Nagari	19	17
31	Lakkyreddy Palli	17	18
32	Aallagadda	21	19
33	Dhone	21	17
34	Ramachadrapuram	21	18
35	Miryalguda	20	19
36	Nalgonda	21	18
37	Bodhan	19	17
38	Kama Reddy	23	18
39	Thandur	20	18
40	Kazipet	20	18

HIV awareness and knowledge for each site

Site number	Site name	% of MSM who have ever heard of AIDS	% of MSM who know the two major preventive methods for HIV/AIDS
			Use Condom/ Non-penetrative sex
1	Anathapur	85%	0%
2	Gooty	76%	2%
3	Madanpally	95%	4%
4	Srikalahasti	75%	2%
5	Tirupathi	93%	2%
6	Kadapa	88%	2%
7	Adoni	68%	5%
8	Kurnool	91%	1%
9	Nandayal	75%	6%
10	Normal	92%	1%
11	Mancherial	79%	5%
12	Wankidi	71%	2%
13	Jagitial	84%	3%
14	Karimnagar	83%	1%
15	Metpally	61%	0%
16	Ramagundam	71%	1%
17	Bhadrachalam	93%	3%
18	Khammam	92%	6%
19	Andole	72%	0%
20	Ramayapet	90%	8%
21	Yadgirigutta	82%	5%
22	Armoor	95%	6%
23	Hayat nagar	85%	1%
24	Hasanparthy	90%	3%
25	Hyderabad	100%	9%
26	Nizamabad	94%	2%
27	Dharmavaram	88%	2%
28	Hindupur	81%	1%
29	Chittoor	94%	3%
30	Nagari	96%	0%
31	Lakkyreddy Palli	83%	0%
32	Aallagadda	94%	11%
33	Dhone	90%	2%
34	Ramachadrapuram	91%	2%
35	Miryalguda	91%	5%
36	Nalgonda	96%	6%
37	Bodhan	90%	4%
38	Kama Reddy	89%	3%
39	Thandur	84%	4%
40	Kazipet	79%	3%

Main sources of information about HIV/AIDS (How to Prevent an HIV infection)									
Site number	Site name	New paper/radio	Posters	Government	NGO	MSM	Peer Educator	Client	Other
1	Anathapur	82%	56%	36%	8%	60%	1%	1%	41%
2	Gooty	56%	26%	26%	4%	86%	0%	15%	26%
3	Madanpally	76%	48%	18%	2%	44%	0%	0%	17%
4	Srikalahasti	76%	43%	35%	8%	51%	0%	4%	28%
5	Tirupathi	93%	70%	23%	4%	51%	0%	1%	48%
6	Kadapa	90%	50%	28%	3%	54%	1%	1%	57%
7	Adoni	86%	59%	8%	0%	12%	0%	0%	7%
8	Kurnool	77%	29%	7%	5%	42%	4%	0%	25%
9	Nandayal	100%	61%	11%	1%	8%	0%	0%	3%
10	Nirmal	87%	58%	33%	16%	16%	0%	2%	49%
11	Mancherial	91%	67%	28%	13%	35%	2%	1%	27%
12	Wankidi	85%	51%	14%	4%	23%	1%	2%	29%
13	Jagitial	69%	32%	24%	1%	26%	0%	4%	41%
14	Karimnagar	72%	49%	30%	5%	45%	4%	0%	35%
15	Metpally	70%	33%	21%	14%	37%	9%	5%	9%
16	Ramagundam	94%	68%	13%	3%	13%	0%	0%	8%
17	Bhadrachalam	99%	65%	4%	4%	13%	0%	0%	10%
18	Khammam	86%	39%	10%	18%	36%	2%	2%	9%
19	Andole	69%	28%	31%	0%	47%	3%	3%	28%
20	Ramayapet	88%	21%	7%	1%	15%	0%	0%	31%
21	Yadgirigutta	89%	64%	31%	24%	66%	4%	4%	13%
22	Armoor	96%	60%	52%	8%	27%	0%	8%	25%
23	Hayat nagar	54%	21%	7%	49%	60%	11%	1%	22%
24	Hasanparthy	84%	64%	18%	6%	43%	1%	0%	11%
25	Hyderabad	64%	44%	16%	88%	68%	28%	6%	10%
26	Nizamabad	77%	44%	40%	9%	67%	1%	11%	36%
27	Dharmavaram	91%	52%	22%	1%	38%	0%	0%	35%
28	Hindupur	96%	72%	29%	1%	54%	0%	0%	37%
29	Chittoor	88%	57%	2%	2%	27%	0%	0%	39%
30	Nagari	78%	32%	2%	38%	56%	10%	0%	10%
31	Lakkyreddy Palli	89%	44%	4%	1%	21%	2%	0%	41%
32	Aallagadda	99%	77%	37%	1%	43%	1%	3%	5%
33	Dhone	89%	64%	12%	1%	36%	1%	3%	6%
34	Ramachadrapuram	96%	59%	5%	24%	28%	3%	0%	25%
35	Miryalguda	91%	33%	10%	1%	36%	0%	1%	30%
36	Nalgonda	88%	37%	9%	6%	55%	0%	1%	21%
37	Bodhan	93%	67%	26%	0%	57%	0%	2%	50%
38	Kama Reddy	94%	78%	31%	28%	62%	1%	0%	36%
39	Thandur	89%	28%	5%	2%	25%	0%	0%	31%
40	Kazipet	96%	78%	28%	0%	61%	0%	0%	46%

Main sources of information about HIV/AIDS (Hear about HIV)									
Site number	Site name	New paper/radio	Posters	Public Hospital	NGO	MSM	Peer Educator	Client	Other
1	Anathapur	88%	56%	39%	7%	60%	1%	2%	41%
2	Gooty	60%	27%	23%	3%	77%	0%	10%	24%
3	Madanpally	79%	44%	12%	2%	40%	0%	0%	18%
4	Srikalahasti	75%	39%	34%	8%	55%	0%	3%	33%
5	Tirupathi	88%	63%	19%	3%	48%	0%	0%	47%
6	Kadapa	84%	37%	21%	3%	43%	0%	1%	52%
7	Adoni	83%	50%	12%	0%	15%	0%	3%	16%
8	Kurnool	78%	30%	12%	6%	41%	3%	0%	38%
9	Nandayal	96%	57%	16%	1%	16%	1%	0%	9%
10	Nirmal	86%	38%	35%	9%	18%	0%	2%	37%
11	Mancherial	90%	71%	29%	10%	35%	2%	0%	35%
12	Wankidi	83%	48%	15%	4%	20%	1%	3%	38%
13	Jagitial	75%	39%	22%	1%	27%	2%	7%	42%
14	Karimnagar	77%	51%	30%	4%	40%	5%	1%	34%
15	Metpally	69%	24%	25%	13%	28%	4%	8%	19%
16	Ramagundam	88%	66%	17%	2%	14%	0%	0%	13%
17	Bhadrachalam	96%	64%	5%	4%	16%	0%	0%	18%
18	Khammam	82%	42%	8%	17%	40%	3%	1%	16%
19	Andole	67%	29%	39%	0%	52%	2%	4%	25%
20	Ramayapet	84%	26%	10%	1%	16%	0%	0%	44%
21	Yadgirigutta	88%	54%	31%	20%	57%	2%	3%	19%
22	Armoor	73%	35%	49%	2%	36%	1%	6%	30%
23	Hayat nagar	55%	21%	6%	46%	55%	9%	1%	23%
24	Hasanparthy	87%	65%	19%	6%	44%	1%	0%	15%
25	Hyderabad	66%	49%	15%	83%	65%	22%	4%	12%
26	Nizamabad	77%	38%	35%	6%	64%	1%	12%	36%
27	Dharmavaram	87%	47%	20%	1%	33%	0%	0%	42%
28	Hindupur	93%	66%	30%	1%	50%	0%	0%	48%
29	Chittoor	80%	52%	3%	1%	28%	0%	0%	57%
30	Nagari	69%	28%	3%	28%	50%	8%	0%	25%
31	Lakkyreddy Palli	79%	38%	5%	1%	30%	2%	1%	68%
32	Aallagadda	97%	64%	34%	1%	44%	2%	4%	7%
33	Dhone	89%	60%	13%	2%	36%	1%	2%	5%
34	Ramachadrapuram	90%	54%	6%	19%	26%	2%	1%	54%
35	Miryalguda	89%	31%	10%	1%	37%	0%	2%	37%
36	Nalgonda	82%	35%	9%	4%	58%	0%	1%	25%
37	Bodhan	88%	56%	19%	0%	56%	0%	1%	44%
38	Kama Reddy	87%	64%	28%	22%	58%	1%	0%	35%
39	Thandur	78%	34%	7%	1%	28%	0%	0%	43%
40	Kazipet	92%	70%	25%	1%	61%	0%	0%	45%

Site number	Site name	% of MSM who have ever had an HIV/AIDS test	Knowledge about testing facilities in area
1	Anathapur	2%	64%
2	Gooty	1%	45%
3	Madanpally	3%	63%
4	Srikalahasti	4%	55%
5	Tirupathi	8%	73%
6	Kadapa	8%	58%
7	Adoni	0%	40%
8	Kurnool	7%	68%
9	Nandayal	1%	62%
10	Nirmal	10%	55%
11	Mancherial	7%	62%
12	Wankidi	2%	38%
13	Jagitial	18%	64%
14	Karimnagar	10%	66%
15	Metpally	5%	39%
16	Ramagundam	2%	44%
17	Bhadrachalam	3%	44%
18	Khammam	13%	67%
19	Andole	3%	63%
20	Ramayapet	5%	59%
21	Yadgirigutta	3%	58%
22	Armoor	8%	64%
23	Hayat nagar	8%	65%
24	Hasanparthy	6%	60%
25	Hyderabad	15%	86%
26	Nizamabad	10%	79%
27	Dharmavaram	2%	66%
28	Hindupur	1%	65%
29	Chittoor	4%	53%
30	Nagari	7%	64%
31	Lakkyreddy Palli	5%	54%
32	Aallagadda	0%	70%
33	Dhone	3%	60%
34	Ramachadrapuram	7%	54%
35	Miryalguda	7%	63%
36	Nalgonda	5%	62%
37	Bodhan	1%	69%
38	Kama Reddy	3%	75%
39	Thandur	2%	49%
40	Kazipet	1%	66%

Treatment seeking behavior for STI for each site

Site number	Site name	% of msm who have experienced STI symptoms in the 12 months (From the Total Surveyed)	% of msm who sought treatment for last episode (from those who experienced STI sym. in last 12 m)
1	Anathapur	8%	100%
2	Gooty	9%	100%
3	Madanpally	1%	100%
4	Srikalahasti	7%	100%
5	Tirupathi	2%	100%
6	Kadapa	4%	86%
7	Adoni	4%	90%
8	Kurnool	9%	59%
9	Nandayal	7%	100%
10	Nirmal	13%	100%
11	Mancherial	4%	85%
12	Wankidi	4%	78%
13	Jagitial	8%	83%
14	Karimnagar	10%	96%
15	Metpally	6%	89%
16	Ramagundam	3%	75%
17	Bhadrachalam	3%	67%
18	Khammam	13%	79%
19	Andole	11%	100%
20	Ramayapet	8%	82%
21	Yadgirigutta	5%	100%
22	Armoor	16%	86%
23	Hayat nagar	10%	82%
24	Hasanparthy	15%	88%
25	Hyderabad	14%	83%
26	Nizamabad	15%	96%
27	Dharmavaram	2%	100%
28	Hindupur	3%	100%
29	Chittoor	0%	-
30	Nagari	4%	100%
31	Lakkyreddy Palli	2%	100%
32	Aallagadda	5%	90%
33	Dhone	2%	100%
34	Ramachadrapuram	2%	100%
35	Miryalguda	4%	100%
36	Nalgonda	7%	100%
37	Bodhan	4%	67%
38	Kama Reddy	4%	100%
39	Thandur	3%	100%
40	Kazipet	3%	80%

Of those MSM who did not seek treatment, reasons for not seeking treatment									
Site number	Site name	Not Necessary	No Money	No Time	Have to Travel Far to get to a clinic	Too Embarrassed	Not Know any place	Too Frightened	Other
1	Anathapur	-	-	-	-	-	-	-	-
2	Gooty	-	-	-	-	-	-	-	-
3	Madanpally	100%	0%	0%	0%	0%	0%	0%	0%
4	Srikalahasti	-	-	-	-	-	-	-	-
5	Tirupathi	50%	0%	0%	0%	50%	0%	0%	0%
6	Kadapa	0%	0%	0%	0%	50%	50%	0%	25%
7	Adoni	0%	100%	0%	0%	0%	100%	0%	0%
8	Kurnool	46%	9%	0%	0%	9%	9%	27%	0%
9	Nandayal	-	-	-	-	-	-	-	-
10	Nirmal	50%	50%	50%	0%	0%	0%	50%	0%
11	Mancherla	67%	0%	0%	0%	33%	0%	33%	0%
12	Wankidi	50%	0%	0%	0%	0%	0%	50%	0%
13	Jagitial	100%	0%	0%	0%	50%	0%	0%	0%
14	Karimnagar	100%	100%	0%	0%	0%	0%	0%	0%
15	Metpally	100%	0%	0%	0%	100%	0%	0%	0%
16	Ramagundam	0%	100%	0%	0%	0%	0%	0%	0%
17	Bhadrachalam	100%	0%	0%	0%	0%	0%	0%	0%
18	Khammam	17%	0%	0%	0%	33%	0%	17%	33%
19	Andole	-	-	-	-	-	-	-	-
20	Ramayapet	29%	14%	14%	0%	14%	14%	14%	0%
21	Yadgirigutta	0%	100%	0%	0%	0%	0%	0%	0%
22	Armoor	67%	0%	67%	0%	0%	0%	33%	0%
23	Hayat nagar	0%	20%	0%	0%	20%	40%	40%	20%
24	Hasanparthy	50%	0%	25%	25%	0%	0%	25%	0%
25	Hyderabad	50%	25%	50%	0%	25%	0%	25%	0%
26	Nizamabad	100%	0%	100%	0%	0%	0%	100%	0%
27	Dharmavaram	-	-	-	-	-	-	-	-
28	Hindupur	-	-	-	-	-	-	-	-
29	Chittoor	100%	0%	0%	0%	0%	0%	0%	0%
30	Nagari	-	-	-	-	-	-	-	-
31	Lakkyreddy Palli	-	-	-	-	-	-	-	-
32	Aallagadda	100%	0%	100%	0%	0%	0%	100%	0%
33	Dhone	-	-	-	-	-	-	-	-
34	Ramachadrapuram	-	-	-	-	-	-	-	-
35	Miryalguda	50%	50%	0%	0%	0%	0%	0%	0%
36	Nalgonda	100%	0%	0%	0%	0%	0%	0%	0%
37	Bodhan	50%	0%	50%	0%	0%	0%	0%	0%
38	Kama Reddy	-	-	-	-	-	-	-	-
39	Thandur	0%	0%	0%	0%	0%	100%	0%	0%
40	Kazipet	100%	0%	0%	0%	0%	0%	0%	0%

Condom use for each site

Site number	Site name	% of MSM who have never used a condom	Reasons for not using a condom						
			Not Available	Too Expensive	The Client Object	Don't Like	Not Necessary	Don't Think	Want to have Children
1	Anathapur	23%	0%	0%	0%	63%	56%	58%	27%
2	Gooty	35%	0%	0%	2%	60%	51%	19%	19%
3	Madanpally	33%	0%	0%	3%	30%	30%	15%	25%
4	Srikalahasti	35%	0%	0%	2%	42%	19%	7%	47%
5	Tirupathi	22%	0%	2%	4%	20%	11%	35%	41%
6	Kadapa	40%	2%	0%	3%	28%	36%	34%	23%
7	Adoni	57%	0%	1%	5%	58%	33%	29%	41%
8	Kurnool	20%	0%	0%	0%	42%	16%	18%	49%
9	Nandayal	38%	0%	0%	0%	53%	24%	24%	44%
10	Normal	36%	7%	0%	2%	43%	21%	10%	67%
11	Mancherial	35%	3%	0%	0%	41%	28%	29%	33%
12	Wankidi	51%	6%	2%	2%	32%	42%	27%	34%
13	Jagitial	44%	7%	0%	3%	54%	27%	20%	30%
14	Karimnagar	17%	0%	0%	3%	79%	35%	41%	12%
15	Metpally	58%	10%	0%	1%	22%	9%	15%	54%
16	Ramagundam	28%	0%	0%	0%	54%	16%	5%	35%
17	Bhadrachalam	36%	0%	0%	0%	65%	26%	23%	14%
18	Khammam	16%	4%	4%	4%	35%	39%	22%	35%
19	Índole	44%	6%	0%	6%	28%	19%	19%	78%
20	Ramayapet	33%	0%	0%	5%	23%	23%	11%	59%
21	Yadgirigutta	16%	0%	0%	0%	8%	25%	8%	58%
22	Armoor	45%	2%	2%	5%	32%	29%	19%	51%
23	Hayat nagar	13%	3%	0%	0%	44%	31%	11%	44%
24	Hasanparthy	15%	0%	0%	0%	31%	25%	16%	44%
25	Hyderabad	3%	0%	0%	0%	40%	60%	20%	0%
26	Nizamabad	25%	9%	2%	7%	30%	25%	5%	43%
27	Dharmavaram	34%	0%	0%	0%	41%	11%	22%	44%
28	Hindupur	33%	0%	0%	0%	36%	9%	4%	59%
29	Chittoor	41%	1%	0%	3%	20%	34%	23%	43%
30	Nagari	33%	0%	0%	0%	17%	52%	4%	50%
31	Lakkyreddy Palli	47%	0%	0%	3%	17%	29%	28%	55%
32	Aallagadda	29%	0%	0%	2%	42%	4%	9%	47%
33	Dhone	23%	0%	0%	3%	44%	3%	28%	37%
34	Ramachadrapuram	31%	0%	0%	3%	30%	41%	30%	42%
35	Miryalguda	36%	0%	0%	0%	39%	20%	32%	33%
36	Nalgonda	22%	0%	0%	6%	66%	16%	38%	16%
37	Bodhan	35%	0%	0%	4%	43%	0%	11%	50%
38	Kama Reddy	24%	0%	0%	0%	23%	3%	13%	61%
39	Thandur	46%	0%	0%	2%	26%	24%	12%	49%
40	Kazipet	33%	0%	0%	0%	16%	16%	16%	69%

Site number	Site name	% of MSM who reported getting condoms for free in last month (From the Total Surveyed)	frequency distribution of where they got the condoms for free				% of MSM who reported condom use with all last 3 clients
			From a Clinic	From an NGO	From a Retail Store	any other Place	
1	Anathapur	14%	3%	31%	28%	38%	51%
2	Gooty	12%	90%	0%	11%	0%	26%
3	Madanpally	15%	11%	5%	32%	53%	42%
4	Srikalahasti	9%	18%	55%	27%	0%	33%
5	Tirupathi	13%	12%	6%	9%	74%	50%
6	Kadapa	3%	33%	67%	0%	0%	37%
7	Adoni	3%	17%	0%	67%	17%	33%
8	Kurnool	19%	6%	33%	20%	41%	43%
9	Nandayal	6%	40%	0%	0%	60%	38%
10	Nirmal	18%	48%	43%	0%	10%	32%
11	Mancherial	8%	4%	56%	16%	24%	36%
12	Wankidi	9%	53%	32%	5%	11%	21%
13	Jagitial	3%	60%	0%	0%	40%	13%
14	Karimnagar	5%	42%	25%	8%	25%	40%
15	Metpally	8%	17%	67%	17%	0%	14%
16	Ramagundam	2%	0%	67%	0%	33%	44%
17	Bhadrachalam	6%	14%	43%	43%	0%	34%
18	Khammam	21%	23%	37%	27%	13%	55%
19	Andole	13%	67%	22%	11%	0%	31%
20	Ramayapet	5%	14%	0%	14%	71%	32%
21	Yadgirigutta	9%	29%	57%	14%	0%	55%
22	Armoor	7%	56%	11%	11%	22%	24%
23	Hayat nagar	47%	1%	84%	8%	8%	50%
24	Hasanparthy	8%	0%	83%	11%	6%	56%
25	Hyderabad	84%	0%	94%	5%	1%	83%
26	Nizamabad	27%	11%	70%	4%	15%	44%
27	Dharmavaram	9%	31%	6%	25%	38%	34%
28	Hindupur	1%	100%	0%	0%	0%	34%
29	Chittoor	5%	22%	0%	0%	78%	30%
30	Nagari	19%	0%	100%	0%	0%	24%
31	Lakkyreddy Palli	8%	50%	8%	0%	42%	23%
32	Aallagadda	19%	92%	0%	5%	3%	45%
33	Dhone	26%	40%	7%	35%	19%	70%
34	Ramachadrapuram	22%	7%	86%	0%	7%	37%
35	Miryalguda	4%	0%	20%	20%	60%	35%
36	Nalgonda	16%	39%	30%	9%	22%	38%
37	Bodhan	10%	50%	0%	0%	50%	38%
38	Kama Reddy	21%	4%	74%	7%	15%	50%
39	Thandur	8%	56%	33%	11%	0%	32%
40	Kazipet	8%	73%	0%	0%	27%	37%

Annexure 3 – Number of respondents at each sub-site

The number of respondents who participated in this study from each sub-site in the 40 geographic sites are shown in this section.

Female sex workers

Region / District	Site	No. of sub-sites for FSWs	Names of sub-sites	FSWs who participated from each sub-site
Telangana region				
Adilabad	Mancheryal	3	Dharmapuri	81
			Mancheryal	56
			Ramakrishnapur	38
	Nirmal	2	Bhainsa	107
			Nirmal	68
	Wankidi	2	Kagaznagar	164
			Wankidi	11
Hyderabad	Hyderabad	1	Hyderabad	175
Karimnagar	Jagitial	1	Jagitial	130
	Karimnagar	3	Karimnagar	132
			Sircilla	27
			Vemulavada	16
	Metpally	1	Metpally	200
	Ramagundam	2	Godavarikhani	110
			Ramagundam	25
Khammam	Bhadrachalam	4	Kothagudem	66
			Bhadrachalam	55
			Sarapaka	49
			Manuguru	31
	Khammam	1	Khammam	246
Medak	Andole	2	Andole	67
			Sangareddy	27
	Ramayampet	4	Medak	68
			Japthishivanoor	44
			Ramayampet	24
			Narsing	4
	Ramachandra Puram	2	Ramachandrapuram	76
			Patancheru	49
Nalgonda	Miryalguda	1	Miryalguda	130
	Nalgonda	1	Nalgonda	176
	Yadagirigutta	3	Yadagirigutta	82
			Aleru	29
			Bhongir	15

Region / District	Site	No. of sub- sites for FSWs	Names of sub-sites	FSWs who participated from each sub-site
Nizamabad	Armoor	2	Armoor	105
			Jakranpally	30
	Bodhan	2	Bhodan	72
			Kotagiri	8
	Kamareddy	1	Kamareddy	175
Nizamabad	1	Nizamabad	175	
Rangareddy	Hayatnagar	2	Saroornagar	232
			Hayatnagar	43
	Tandoor	1	Tandoor	130
Warangal	Hasanparthy	4	Vangapahad	165
			Hanmakonda	25
			Hasanparthy	24
			Siddapur	15
	Kazipet	1	Kazipet	140
Rayalseema region				
Anantapur	Anantapur	3	Ananthapur	111
			Kalluru	12
			Garladinne	2
	Dharmavaram	2	Mudigubba	32
			Dharmavaram	25
	Gooty	2	Gooty	118
			Guntakal	24
Hindupur	1	Hindupur	150	
Chittoor	Chittoor	1	Chittoor	150
	Madanapally	2	Nagari	130
			Madanpally	95
	Nagari	1	Kalikiri	30
	Srikalahasthi	2	Srikalahasthi	77
			Puttur	60
Tirupati	1	Tirupati	221	
Kadapa	Kadapa	1	Kadapa	242
	Lakkireddypally	3	Rayachoti	108
			Galiveedu	96
			Lakkireddypally	25
Kurnool	Adoni	1	Adoni	270
	Allagadda	1	Allagadda	198
	Dhone	1	Dhone	130
	Kurnool	1	Kurnool	225
	Nandyal	2	Nandyal	140
			Atmakur	60
TOTAL				6648

Men who have sex with men

Region / District	Site	No. of sub-sites for MSM	Names of sub-sites	MSM who participated from each sub-site
Telangana region				
Adilabad	Mancheryal	3	Mancheryal	208
			Ramakrishnapur	76
			Dharmapuri	16
	Nirmal	2	Nirmal	91
			Bhainsa	25
	Wankidi	2	Kagaznagar	141
			Wankidi	64
Hyderabad	Hyderabad	1	Hyderabad	175
Karimnagar	Jagitial	1	Jagitial	160
	Karimnagar	3	Karimnagar	180
			Sircilla	33
			Vemulavada	11
	Metpally	1	Metpally	150
	Ramagundam	1	Godavarikhani	133
Khammam	Bhadrachalam	3	Bhadrachalam	50
			Kothagudem	45
			Manuguru	25
	Khammam	1	Khammam	143
Medak	Andole	1	Sangareddy	72
	Ramayampet	1	Medak	133
	Ramachandra puram	2	Patancheru	68
			Ramachandrapuram	57
Nalgonda	Miryalguda	1	Miryalguda	127
	Nalgonda	1	Nalgonda	148
	Yadagirigutta	3	Aleru	39
			Bhongir	32
			Yadagirigutta	8
Nizamabad	Armoor	2	Armoor	124
			Jakranpally	6
	Bodhan	2	Bhodan	76
			Kotagiri	4
	Kamareddy	1	Kamareddy	130
	Nizamabad	1	Nizamabad	175
Rangareddy	Hayatnagar	1	Saroornagar	275
	Tandoor	1	Tandoor	115

Region / District	Site	No. of sub- sites for MSM	Names of sub-sites	MSM who participated from each sub-site
Warangal	Hasanparthy	1	Hanmakonda	222
	Kazipet	1	Kazipet	180
Rayalseema region				
Anantapur	Anantapur	3	Ananthapur	183
			Garladinne	12
			Kalluru	12
	Dharmavaram	3	Dharmavaram	144
			Mudigubba	24
			Bathalapalli	10
	Gooty	2	Guntakal	94
			Gooty	69
	Hindupur	1	Hindupur	150
Chittoor	Chittoor	1	Chittoor	176
	Madanapally	2	Madanpally	119
			Kalikiri	6
	Nagari	1	Nagari	75
	Srikalahasthi	2	Srikalahasthi	75
			Puttur	48
Tirupati	1	Tirupati	254	
Kadapa	Kadapa	1	Kadapa	321
	Lakkireddypally	2	Rayachoti	150
			Lakkireddypally	6
Kurnool	Adoni	1	Adoni	236
	Allagadda	1	Allagadda	198
	Dhone	1	Dhone	165
	Kurnool	1	Kurnool	255
	Nandyal	2	Nandyal	122
			Atmakur	40
TOTAL				6661
