

FINAL REPORT



West Bengal State
Sentinel Surveillance
Report on HIV Infection
Status and Trend
Analysis: 2008-09

Prepared for
West Bengal State AIDS
Prevention and Control Society



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1 Introduction

HIV surveillance can be defined as “A collection of epidemiological information of sufficient accuracy and completeness regarding the distribution and spread of HIV infection to be relevant for the planning and implementation of HIV / AIDS prevention and control programme activities”.

1.1 Objectives of HIV Surveillance

1. To provide an understanding of the spread of HIV infection by determining the level of infection in different States and identifying pockets of high prevalence (“hot spots”).
2. To determine the geographical distribution and trends of infection
3. To provide information for the prioritization of resources and evaluation of the national response.
4. To estimate number of people infected with HIV in the country, utilizing the HSS data in the absence of any other reliable community based data.
5. To identify data to facilitate the integration of HIV/AIDS and Reproductive Child Health (RCH) under the National Rural Health Mission (NRHM).

Since the primary objective of surveillance is to monitor trends in HIV infection over time and place, cross-sectional studies of HIV sero-prevalence (also known as prevalence surveys) at regular and repeated intervals among “sentinel groups” need to be conducted using a consistent methodology in the same population group so as to demonstrate the trend or true change, if any, in HIV prevalence. The following epidemiological aspects should be kept in mind when interpreting surveillance data.

- HIV infections are not uniformly distributed in any population. The distribution of HIV infection in the population depends on the prevalence of certain behaviors or practices associated with an increased risk of HIV infection.
- There are limited major modes of HIV transmission and not everyone in the population runs the same risk of HIV infection.

1.2 Surveillance in India

Surveillance activities started in 1985 when ICMR started screening blood from High Risk Groups to find out if HIV was present in the country and the evidence of HIV was first documented in Chennai in 1986. Until 1992, surveillance was based on data generated from 62 surveillance centers and 9 referral centers situated in different parts of the country. Heterosexual route is the predominant mode of transmission, followed by injecting drug use. However as the data was pooled, it did not suit the objective of monitoring HIV trends in the country over different geographic areas. Sentinel Surveillance was adopted in 1993–94 with the objective to monitor trends in specific High Risk Groups e.g. STD patients and in Low Risk Groups consisting of the antenatal clinic attendees. However all the designated sites did not carry out the surveillance activities and the data obtained was incomplete. The system underwent modification from time to time in response to the changing scenario in the country. The 2007 round found an HIV prevalence of 7.76% among IDUs, 5.61% among MSM, 5.92% among FSWs and 0.42%



among pregnant women. When compared to the previous year's figures in 2006 (4.64% among IDUs, 6.12% among MSM and 6.12% among FSWs and 0.40% among pregnant women), the 2007 results suggest that the trend in the epidemic continues; it is concentrated in the high risk groups and trickling into the general population.

1.3 Annual Sentinel Surveillance in West Bengal

The HIV sentinel site surveillance is the main source of data on HIV prevalence and related trends in the state. An unlinked anonymous sampling procedure is adopted (according to NACO guidelines) for rapid collection of information from a broad cross-section of the population i.e. critical populations and geographical areas based on epidemiological considerations. Both most-at risk and less vulnerable sections of the population are covered. The first state wide annual sentinel surveillance started in 1998 initially with small number of sites gradually increasing in number of the sites as per guidelines of NACO for widespread representation of the vulnerable areas. The data interpreted is useful for assessing and estimating the currently infected and the number expected to develop AIDS in the future:

- i. HIV / AIDS infection status and trend on HIV infection in the State and in the Zone Planning for management of HIV and AIDS cases
- ii. To identify priority areas and population groups
- iii. To help government and NGO programme managers at State and different local levels to plan effective interventions and services delivery. The information is extremely important in the advocacy process with key local, State and National Policy and Decision makers.



2 HIV Sentinel Surveillance 2008: 12th round

Sentinel Surveillance is carried out once a year state-wise, all over India to look at the HIV infection trends. The 12th round of HIV Sentinel Surveillance was carried out at 55 designated sites across West Bengal. 21 sites for ANC attendees, 9 for STD clients, 4 for IDUs, 4 for MSMs, 1 for Migrant Labors, 5 for Truckers and 11 for FSWs have been selected following the operational guidelines for HIV Sentinel Surveillance – 2008.

This year there has been inclusion of one new MSM site, nine new ANC sites (one ANC site at Basulia RH was removed due to incomplete i.e. <60% sample collection in three months during last HSS round) and two new FSW site as well as exclusion of one IDU site(due to closure of one IDU TI-NGO).

Apart from measures undertaken for maintaining quality standards of data collected, the external quality assurance for HIV testing of the samples had been given priority.

During current HSS round, 2008-09 Unlinked Anonymous sampling procedure was followed for ANC and STD sites as previous years. But for the HRG sites (FSW, MSM, IDU, Truckers, Migrant Labours) a new method of Dry Blood Spot collected after obtaining informed consent from the participant was followed.

2.1 Dry Blood Spot Method

To reduce the burden of laboratory procedures like collecting, centrifuging, and maintaining cold chain for storage and transportation and generation of biomedical waste NACO introduced a new method of Dry Blood Spot (DBS) during the HSS 2008-09 round.

A self retractable safety lancet was used for finger pricking and blood spots (preferably five) were collected on a specially designed filter paper from the participants. These filter papers were packed in a polythene zip lock bag along with desiccants stored and sent by post to the testing laboratories. Department of Virology, School of Tropical Medicine, Kolkata was the identified testing laboratory for West Bengal among four Regional testing laboratories for DBS.

Any participant satisfying inclusion criteria attending the TI-NGO facility was asked for documented informed consent for participating in HSS. Sampling was done in a consecutive manner till reaching required sample size of 250 within three months. The inclusion criteria were followed according to the NACO HSS Guideline 2008 as follows:

1. First time visitor during the HSS period
2. 18-49 years (15-49 for FSW)
3.
 - a) FSW: Sold sex for money / engaged in consensual sex for money or payment in kind as a principal means of livelihood in last six months
 - b) MSM: Men who have engaged in sex, anal or oral with another male at least once in the previous month
 - c) IDU: current users, those who have injected at least once in previous six months (including shadow users)
 - d) Truckers: Long Distance Truckers (Drivers and Helpers) who travel more than 800 km one way between source and destination



e) Migrant Labourers: Men who are living at a place other than “place of usual residence” without spouse or family members for >6 months for purpose of work

The participants may opt out from HSS activities. In the TI-NGO clinic a register was maintained to document the consecutiveness of sampling and reasons of opt outs. The reason of excluding any participant not satisfying the inclusion criteria is also documented in the register for HSS at the TI site.

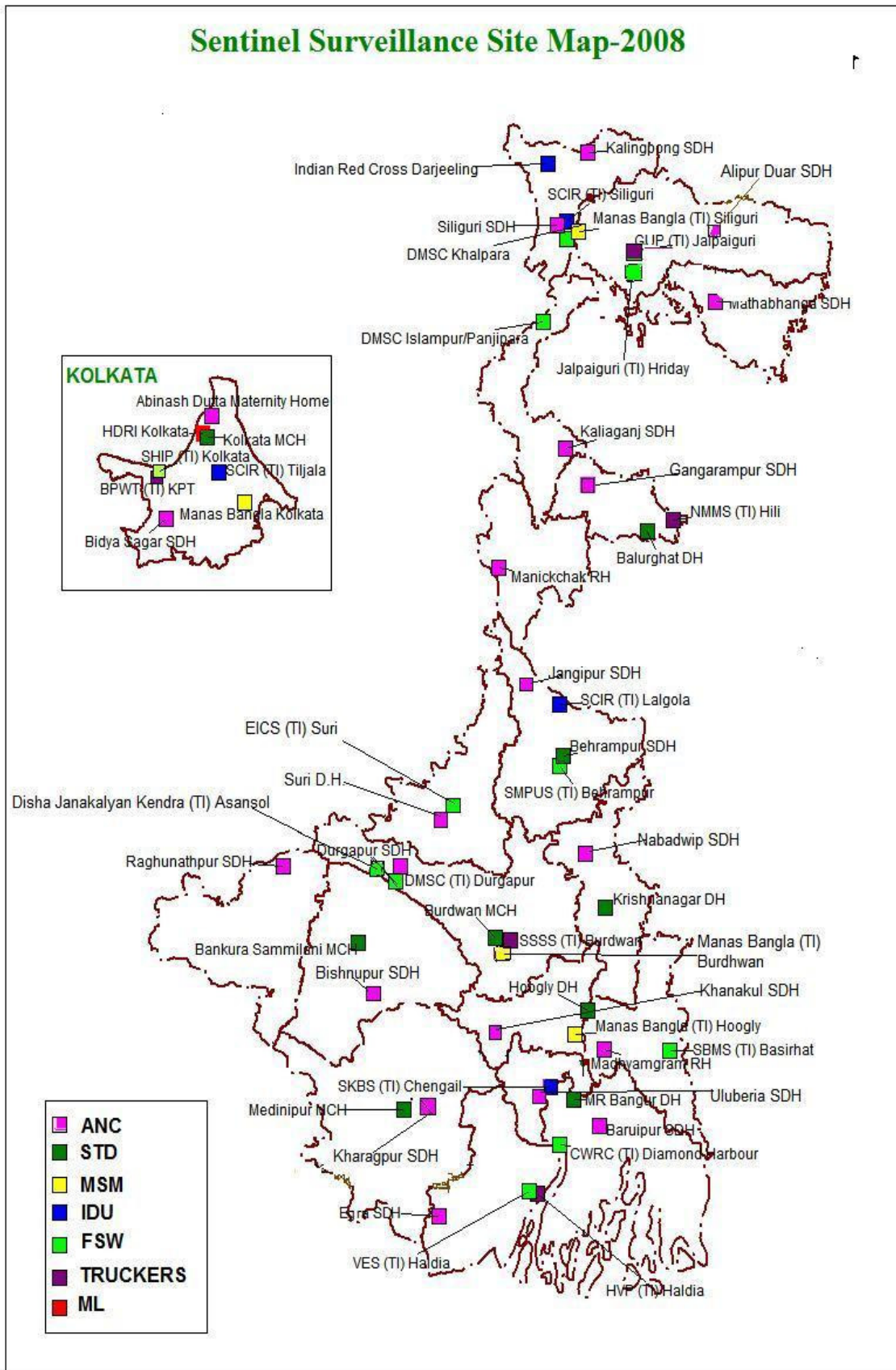
2.2 Sample size per site - 2008

Table 1
Sentinel Sites: 2008

Site Type	Sample Size	Number of Sites
Antenatal Clinic Attendees	400	21
Patients Attending STD Clinics	250	9
FSW TI Projects	250	11
Injecting Drug Users Attending Treatment Clinics	250	4
MSM Site	250	4
Truckers Site	250	5
Migrant Labourers Site	250	1
Total		55



Figure 1
Site Map





3 Status of HIV & VDRL Infection - 2008, 12 th round

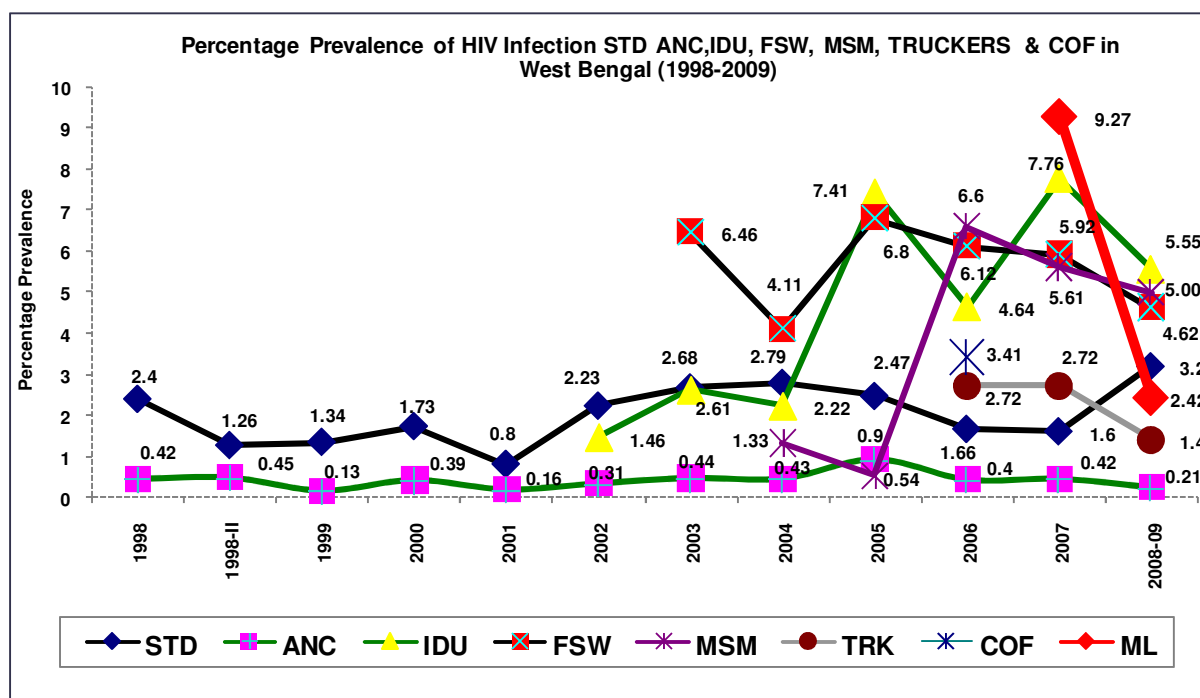
Table 2
Year Wise HIV Status at a Glance

Year	STD				ANC				FSW				IDU			
	Sentinel Sites	No. Tested	Total +ve	%	Sentinel Sites	No. Tested	Total +ve	%	Sentinel Sites	No. Tested	Total +ve	%	Sentinel Sites	No. Tested	Total +ve	%
1998	3	750	18	2.4	3	1200	5	0.42	-	-	-	-	-	-	-	-
1998	4	951	12	1.26	4	1320	6	0.45	-	-	-	-	-	-	-	-
1999	4	819	11	1.34	4	1537	2	0.13	-	-	-	-	-	-	-	-
2000	5	1101	19	1.73	4	1530	6	0.39	-	-	-	-	-	-	-	-
2001	6	1493	12	0.8	8	3200	5	0.16	-	-	-	-	-	-	-	-
2002	9	2106	47	2.23	9	3600	11	0.31	-	-	-	-	1	205	3	1.46
2003	10	2392	64	2.68	9	3600	16	0.44	7	1750	113	6.46	1	230	6	2.61
2004	10	2368	66	2.79	9	3481	15	0.43	7	1750	72	4.11	1	225	5	2.22
2005	12	2511	62	2.47	9	3149	27	0.86	7	1383	94	6.79	4	998	74	7.41
2006	11	2718	45	1.66	12	4798	19	0.40	8	1960	120	6.12	5	1250	58	4.64
2007	11	2685	43	1.60	13	4800	20	0.42	9	2248	133	5.92	5	1250	97	7.76
2008	9	2092	67	3.20	21	8186	17	0.21	11	2668	110	4.12	4	937	52	5.55
All		21986	466	2.12		40401	149	0.37		11759	642	5.46		5095	295	5.79
Year	MSM				Truckers				Clients of FSW				Migrant Labourer			
	Sentinel Sites	No. Tested	Total +ve	%	Sentinel Sites	No. Tested	Total +ve	%	Sentinel Sites	No. Tested	Total +ve	%	Sentinel Sites	No. Tested	Total +ve	%
1998	-	-	-	-												
1998	-	-	-	-												
1999	-	-	-	-												
2000	-	-	-	-												
2001	-	-	-	-												
2002	-	-	-	-												
2003	-	-	-	-												
2004	1	150	2	1.33												
2005	1	186	1	0.54												
2006	2	500	33	6.6	5	1248	34	2.72	2	499	17	3.41				
2007	3	748	42	5.61	5	1249	34	2.72	-	-	-	-	1	248	23	9.27
2008	4	997	50	5.02	5	1083	19	1.75	-	-	-	-	1	242	6	2.48
All		2581	128	4.96		3580	87	2.43		499	17	3.41		490	29	5.92



Figure 2

Percentage Prevalence of HIV Infection STD, ANC, FSW, IDU, MSM, Truckers and ML Sites in West Bengal: 1998-2008



3.1 Site Wise Status

Table 3
STD Clinic Sites - 2008

Sl	Site Name	District	Sample	Tested Sample	%	HIV	HIV %	VDRL	VDRL %
1	Balurghat DH	Dakshin Dinajpur	250	245	98	4	1.63	1	0.41
2	Baharampur DH	Murshidabad	250	245	98	12	4.90	8	3.27
3	BMCH	Burdwan	250	248	99.2	19	7.66	9	3.63
4	Krishnanagar DH	Nadia	250	232	92.8	2	0.86	6	2.53
5	Hoogly DH	Hoogly	250	234	93.6	4	1.71	2	0.85
6	BSMCH	Bankura	250	203	81.2	1	0.49	0	0.00
7	MMCH	Paschim Midnapur	250	249	99.6	4	1.61	3	1.20
8	CMCH	Kolkata	250	188	75.2	21	11.17	3	1.60
9	M.R.Bangur DH	South 24 Pgs	250	247	98.8	0	0.00	1	0.40
Total			2250	2091	92.93	67	3.20	33	1.58



Table 4
Antenatal Clinic (ANC) Sites – 2008

Sl.	Site Name	District	Sample	Tested sample	%	HIV	HIV %	VDRL	VDRL %
1	SiliguriSDH	Darjeeling	400	400	100	3	0.75	3	0.75
2	Kalingpong SDH	Darjeeling	400	394	98.5	0	0.00	2	0.51
3	Alipur Duar SDH	Jalpaiguri	400	400	100	1	0.25	1	0.25
4	Mathabhanga SDH	Cooch Behar	400	366	91.5	2	0.55	0	0.00
5	Kaliaganj SDH	Uttar Dinajpur	400	400	100	0	0.00	0	0.00
6	Gangarampur SDH	Dakshin Dinajpur	400	379	94.75	1	0.26	3	0.79
7	Manikchak RH	Malda	400	400	100	2	0.50	3	0.75
8	Jangipur SDH	Murshidabad	400	378	94.5	0	0.00	2	0.53
9	Suri Dist hospital	Birbhum	400	400	100	0	0.00	1	0.25
10	Durgapur SDH	Burdwan.	400	388	97	1	0.26	1	0.26
11	Nabadwip SDH	Nadia	400	393	98.25	0	0.00	0	0.00
12	Madhyamgram RH	North 24 Pgs	400	392	98	2	0.51	1	0.26
13	Khanakul RH	Hoogly	400	400	100	1	0.25	2	0.50
14	Bishnupur SDH	Bankura	400	356	89	0	0.00	3	0.84
15	Raghunathpur SDH	Purulia	400	380	95	0	0.00	0	0.00
16	Egra SDH	Purba Midnapur	400	400	100	0	0.00	3	0.75
17	Kharagpur SDH	Paschim Midnapur	400	399	99.75	2	0.50	2	0.50
18	Uluberia SDH	Howrah	400	399	99.75	2	0.50	4	1.00
19	Abinash Dutta M .Home	Kolkata.	400	362	90.5	0	0.00	1	0.28
20	Bidya Sagar SDH	Kolkata	400	400	100	0	0.00	2	0.50
21	Baruipur SDH	South 24 Pgs	400	400	100	0	0.00	0	0.00
Total			8400	8186	97.45	17	0.21	34	0.42

Table 5
IDU Sites – 2008

Sl.	Site Name	District	Sample	Tested sample	%	HIV	HIV %
1	IRCS (TI) Kurseong	Darjeeling	250	247	98.8	8	3.24
2	SCIR (TI) Siliguri -Jhankar More & Gurung Basti	Darjeeling	250	220	88	22	10.00
3	SCIR (TI) Lalgola & Baharampur	Murshidabad	250	239	95.6	5	2.09
4	SCIR (TI) Kolkata-Park Circus, Goa Bagan, Budo Sibatala & Allimidin Street	Kolkata	250	231	92.4	17	7.36
Total			1000	937	93.7	52	5.55



Table 6
FSW Sites – 2008

Sl.	Site Name	District	Sample	Tested sample	%	HIV	HIV %
1	DMSC(TI) Khalpara,Darjeeling	Darjeeling	250	250	100	2	0.80
2	Jalpaiguri (TI) Hriday	Jalpaiguri	250	250	100	0	0.00
3	DMSC (TI)Islampur/Panjipara	Uttar Dinajpur	250	243	97.2	18	7.41
4	SPMUS (TI) Behrampur	Murshidabad	250	249	99.6	3	1.20
5	Suri & Sainthia EICS (TI)	Birbhum	250	244	97.6	7	2.87
6	DMSC (TI) Durgapur	Burdwan	250	246	98.4	8	3.25
7	DISHA(TI)Janakalyan Kendra	Burdwan	250	200	80	6	3.00
8	SBMS (TI) Basirhat	North 24 Pgs	250	234	93.6	23	9.83
9	VES(TI) Haldia	Purba Medinipur	253	253	100	17	6.72
10	SHIP (TI) Kol	Kolkata	250	249	99.6	22	8.84
11	CWRC (TI) Diamond Harbou	South 24 Pgs	250	250	100	4	1.60
	Total		2753	2668	97.0	110	4.12

Table 7
MSM Sites – 2008

Sl	Site Name	District	Sample	Tested sample	%	HIV	HIV %
1	Manas Bangla (TI) Siliguri	Darjeeling	250	248	99.2	9	3.63
2	Manas Bangla (TI) Srerampur & Hooghly	Hooghly	250	250	100	10	4.00
3	Manas Bangla (TI) Burdwan	Burdwan	250	250	100	8	3.20
4	Manas Bangla (TI) Kasba & Sobhabazar	Kolkata	250	249	99.6	23	0.24
	Total		1000	997	99.7	50	5.02

Table 8
Truckers Site – 2008

Sl	Site Name	District	Sample	Tested sample	%	HIV	HIV %
1.	GUP (TI) Jalpaiguri	Jalpaiguri	250	250	100	2	0.80
2.	NMMS (TI) Hilli	Dakshin Dinajpur	250	248	99.2	6	2.42
3.	SSSS (TI) Burdwan	Burdwan	250	249	99.6	7	2.81
4.	HVP (TI) Haldia	Purba Medinipur	250	249	99.6	4	1.61
5.	BPWT(TI) Haldia	Kolkata	250	87	34.8	0	0.00
	Total		1250	1083	86.6	19	1.75

Table 9
ML Site – 2008

	Site Name	District	Sample	Tested sample	%	HIV	HIV %
1.	HDRI Kolkata	Kolkata	250	242	96.8	6	2.48
	Total		250	242	96.8	6	2.48



3.2 District wise HIV Prevalence: 2008

Figure 2
District Wise Prevalence: ANC Sites

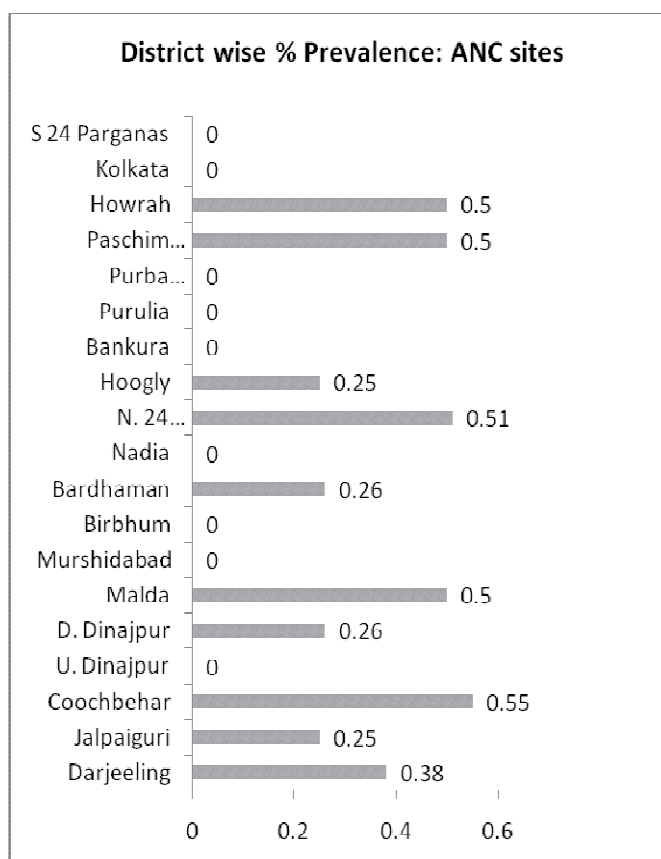


Figure 3
District Wise Prevalence: STD Sites

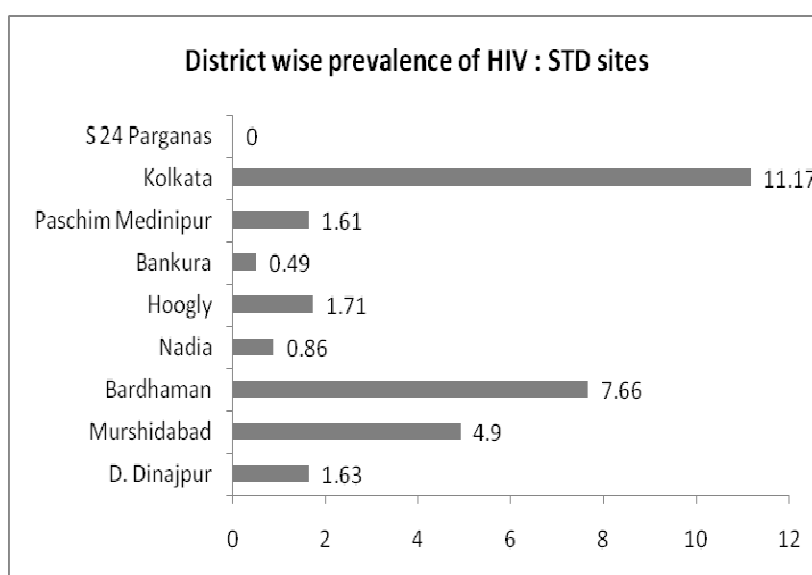




Figure 4
District Wise Prevalence: FSW Sites

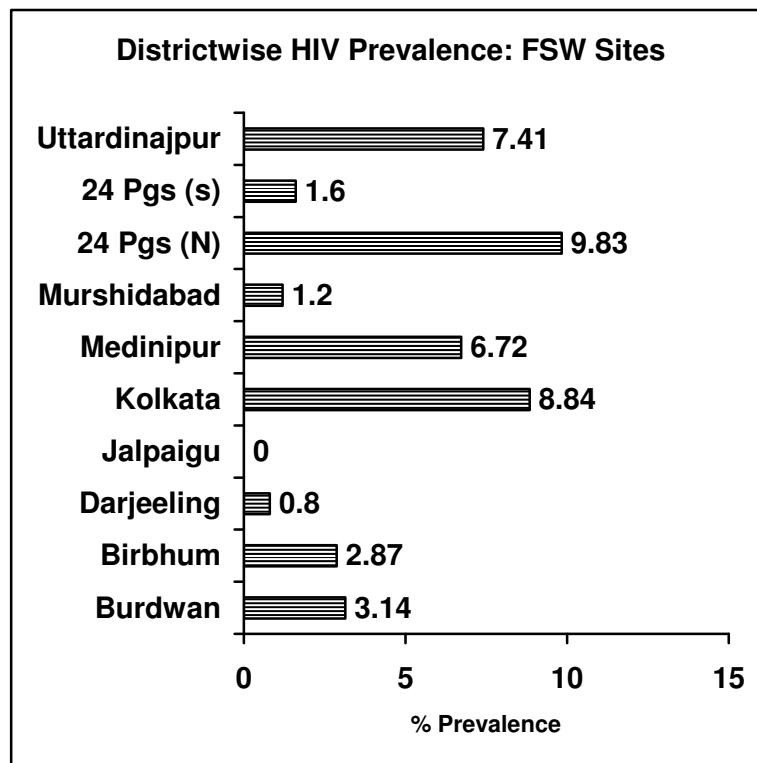


Figure 5
District Wise Prevalence: IDU Sites

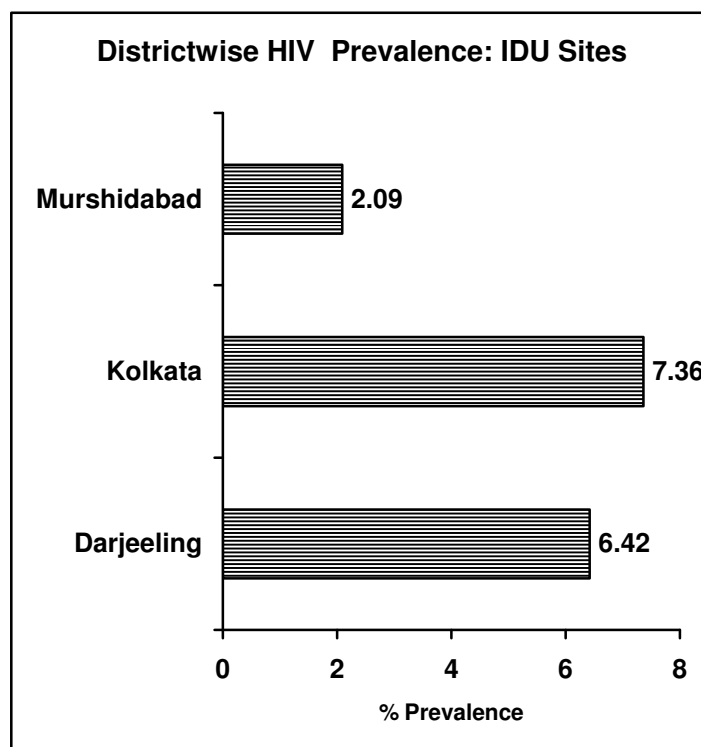




Figure 6
District Wise Prevalence: MSM Sites

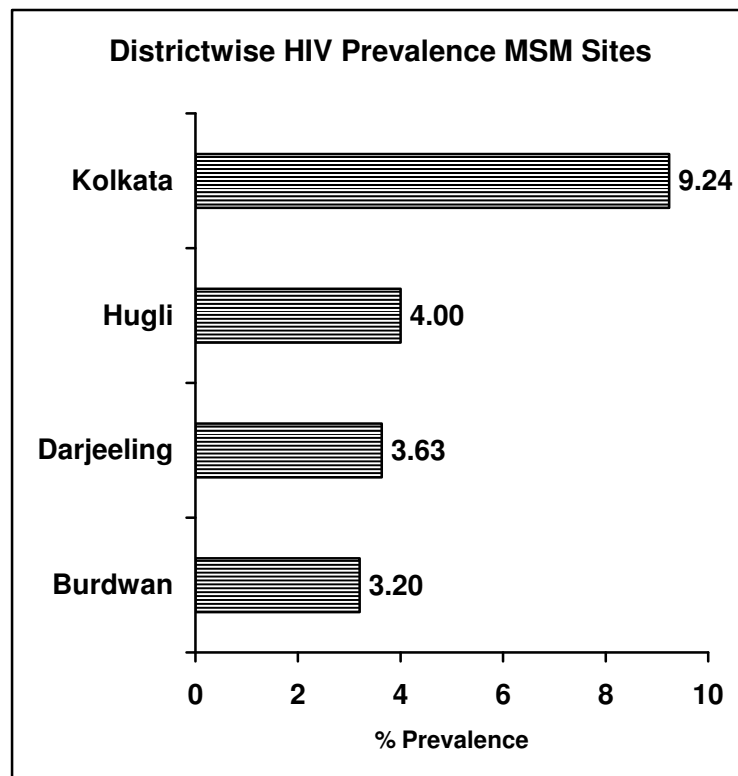
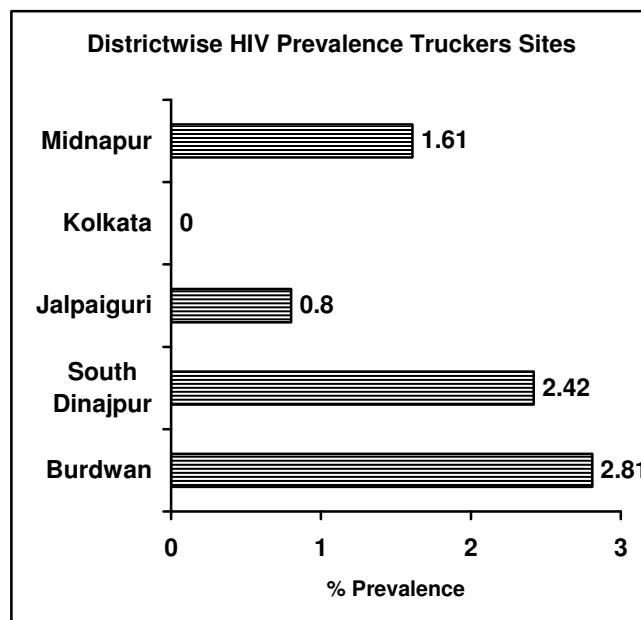


Figure 7
District Wise Prevalence: Truckers Sites



Truckers site in Kolkata could only collect 87 (34.8%) samples in three months and that is not included for analysis.



4 Status of ANC Sites

Table 10
Year wise and Round wise HIV Prevalence Rate: ANC

Year	Round	No. of samples		Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
		Tested	Positive				
1998	R1	1200	5	0.42	0.11	0.73	0.41
1998	R2	1320	6	0.45	0.15	0.75	
1999	R3	1537	2	0.13	-0.02	0.28	
2000	R4	1530	6	0.39	0.13	0.66	
2001	R5	3200	5	0.16	0.04	0.27	
2002	R6	3600	11	0.31	0.15	0.46	
2003	R7	3600	16	0.44	0.25	0.63	
2004	R8	3481	15	0.43	0.25	0.61	
2005	R9	3149	27	0.86	0.63	1.17	
2006	R10	4798	19	0.40	0.25	0.55	
2007	R11	4800	20	0.42	0.26	0.57	
2008	R12	8186	17	0.21	0.13	0.29	
Total		40401	149	0.37	0.32	0.42	

Figure 8
Trend of Prevalence Rate

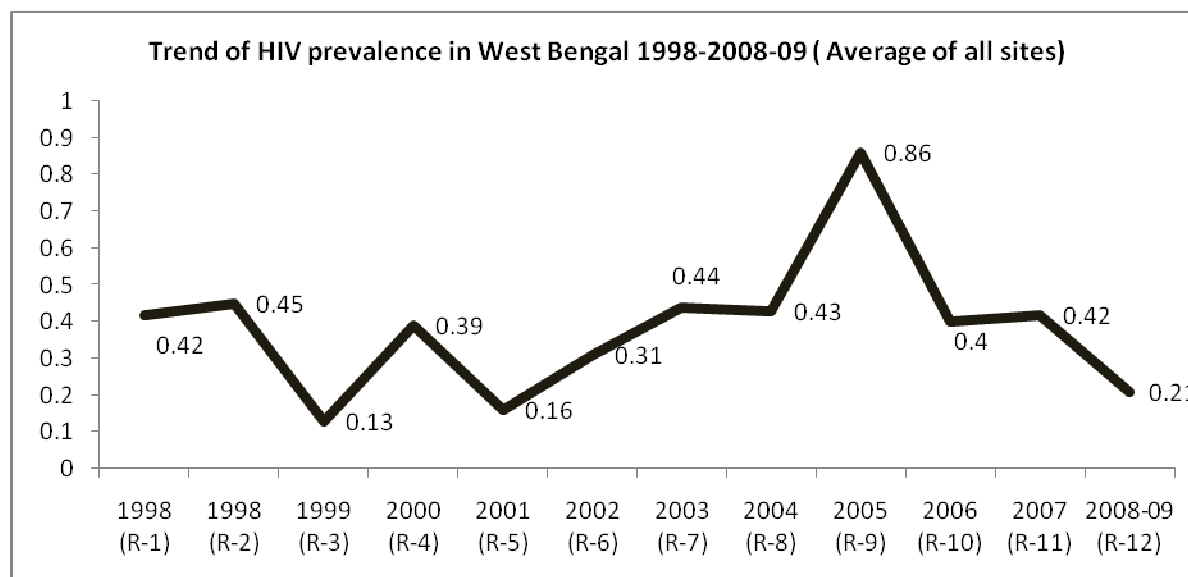




Table 11
HIV Status in ANC Clinics in West Bengal: 2006-2008

Designated ANC Sites		2006			2007			2008		
District	Site Name	Tested	HIV +Ve	HIV %	Tested	HIV +Ve	HIV %	Tested	HIV +Ve	HIV %
Darjeeling	Siliguri SDH	400	0	0.00	400	2	0.50	400	3	0.75
	Kalimpong SDH	-	-	-	400	8	2.00	394	0	0.00
Jalpaiguri	Alipur Duar SDH	-	-	-	-	-	-	400	1	0.25
CoochBehar	Mathabhanga SDH	400	0	0.00	400	1	0.25	366	2	0.55
U.Dinajpur	Kaliaganj RH	400	9	2.25	400	0	0.00	400	0	0.00
D.Dinajpur	Gangarampur SDH	-	-	-	-	-	-	379	1	0.26
Malda	Manikchak RH	400	0	0.00	400	0	0.00	400	2	0.50
Murshidabad	Jangipur SDH							378	0	0.00
Birbhum	Suri SDH	400	0	0.00	-	-	-	400	0	0.00
Burdwan	Durgapur SDH	400	1	0.25	400	3	0.75	388	1	0.26
Nadia	Nabadwip SDH	-	-	-	-	-	-	393	0	0.00
North 24 PGS	Madhyamgram RH	400	1	0.25	400	0	0.00	392	2	0.51
Hooghly	Khanakul RH	-	-	-	-	-	-	400	1	0.25
Bankura	Bishnupur SDH	-	-	-	-	-	-	356	0	0.00
Purulia	Raghunathpur SDH	400	1	0.25	400	0	0.00	380	0	0.00
Purba Medinipur	Egra SDH	-	-	-	400	0	0.00	400	0	0.00
Paschim Medinipur	Kharagpur SDH	-	-	-	-	-	-	399	2	0.50
Howrah	Uluberia SDH	-	-	-	-	-	-	399	2	0.50
Kolkata	Abinash Dutta MH	398	7	1.76	400	6	1.50	362	0	0.00
	Bidya Sagar SDH	-	-	-	400	0	0.00	400	0	0.00
South 24 PGS	Baruipur SDH	400	0	0.00	400	0	0.00	400	0	0.00
Total		4798	19	0.40	4800	20	0.42	8186	17	0.21

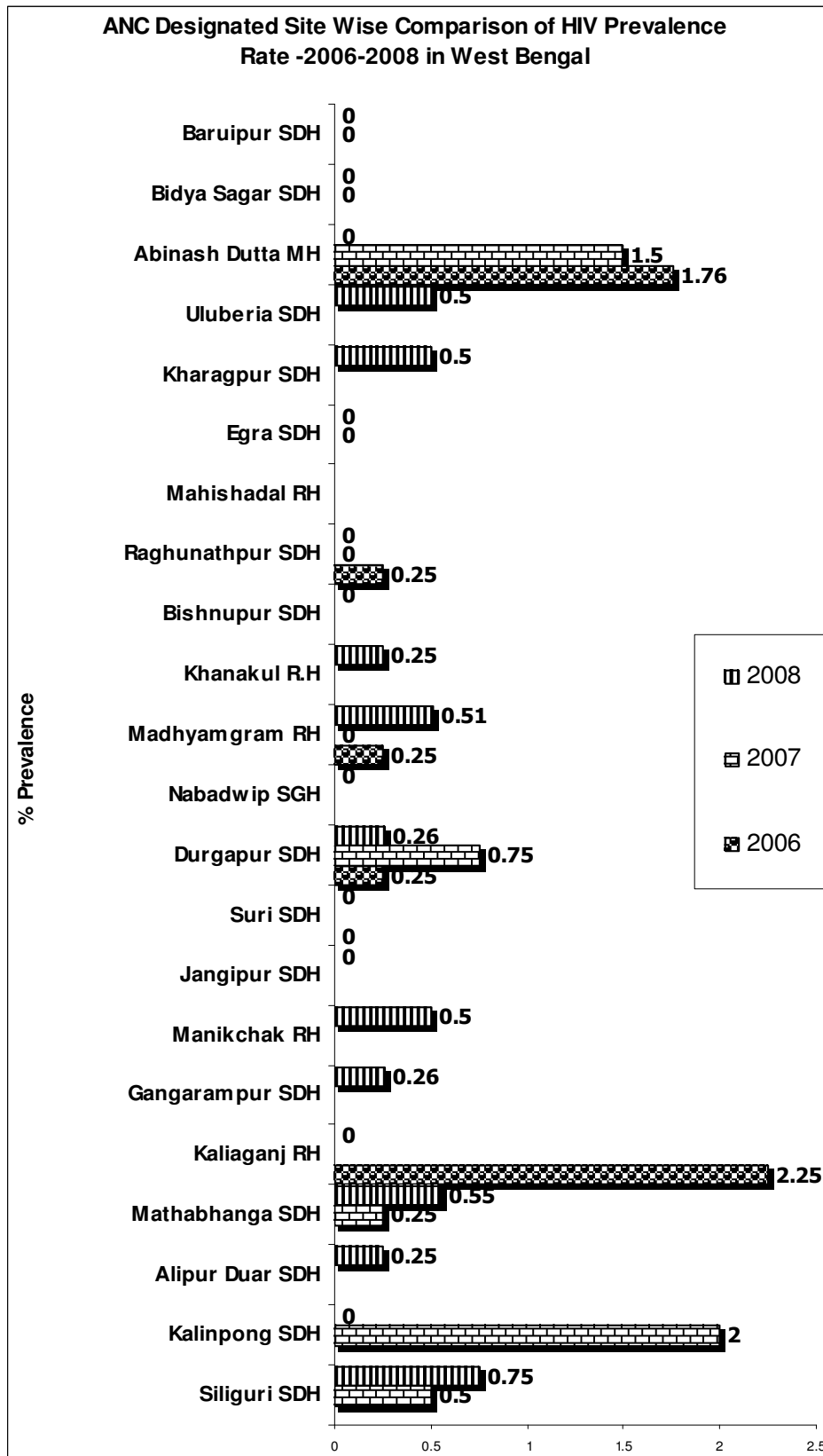


Table 12
VDRL Status in ANC Clinics in West Bengal: 2006-2008

Designated ANC Sites		2006			2007			2008		
District	Site Name	Tested	VDRL +Ve	%	Tested	VDRL +Ve	%	Tested	VDRL +Ve	%
Darjeeling	Siliguri SDH	400	10	2.50	400	9	2.25	400	3	0.75
	Kalinpong SDH	-			400	7	1.75	394	2	0.51
Jalpaiguri	Alipur Duar SDH	-			-			400	1	0.25
CoochBehar	Mathabhanga SDH	400	18	4.50	400	6	1.50	366	0	0.00
U.Dinajpur	Kaliaganj RH	400	5	1.25	400	5	1.25	400	0	0.00
D.Dinajpur	Gangarampur SDH	-			-			379	3	0.79
Malda	Manikchak RH	400	1	0.25	400	1	0.25	400	3	0.75
Murshidabad	Jangipur SDH							378	2	0.53
Birbhum	Suri SDH	400	1	0.25	-			400	1	0.25
Burdwan	Durgapur SDH	400	2	0.50	400	1	0.25	388	1	0.26
Nadia	Nabadwip SDH	-			-			393	0	0.00
North 24 PGS	Madhyamgram RH	400	5	1.25	400	1	0.25	392	1	0.26
Hooghly	Khanakul RH	-			-			400	2	0.50
Bankura	Bishnupur SDH	-			-			356	3	0.84
Purulia	Raghunathpur SDH	400	1	0.25	400	0	0.00	380	0	0.00
Purba Medinipur	Egra SDH	-			400	0	0.00	400	3	0.75
Paschim Medinipur	Kharagpur SDH	-			-			399	2	0.50
Howrah	Uluberia SDH	-			-			399	4	1.00
Kolkata	Abinash Dutta MH	398	2	0.50	400	5	1.25	362	1	0.28
	Bidya Sagar SDH	-			400	3	0.75	400	2	0.50
South 24 PGS	Baruipur SDH	400	1	0.25	400	3	0.75	400	0	0.00
Total		4798	46	0.96	4800	41	0.85	8186	34	0.42



Figure 9
HIV Status in ANC Sites: 2006-2008





4.1 Round Wise Individual Site Report: ANC Sites

Table 13.1
ANC Centre, Siliguri Sub Division Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	395	3	0.76	0.04	1.48	0.63
10-2006	400	0	0.00	0.00	0.00	
11-2007	400	2	0.50	-0.08	1.08	
12-2008	400	3	0.75	0.04	1.46	
Total	1595	8	0.50	0.21	0.79	

(Started since 2005)

Table 13.2
ANC Centre, Kalimpong Sub Division Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
11-2007	400	8	2.00	0.85	3.15	
12-2008	394	0	0.00	0.00	0.00	
Total	794	8	1.01	0.43	1.59	

(Started since 2007)

Table 13.3
ANC Centre, Alipurduar Sub Division Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
12-2008	400	1	0.25	-0.16	0.66	
Total	400	1	0.25	-0.16	0.66	

(New Site)

Table 13.4
ANC Centre, Mathabhanga Sub Division Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
10-2006	400	0	0.00	0.00	0.00	0.25
11-2007	400	1	0.25	-0.16	0.66	
12-2008	366	2	0.56	-0.09	1.18	
Total	1166	3	0.26	0.02	0.50	

(Started since 2006)



Table 13.5
ANC Centre, Kaliaganj, CHC

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	400	1	0.25	-0.16	0.66	0.13
10-2006	400	9	2.25	1.03	3.47	
11-2007	400	0	0.00	0.00	0.00	
12-2008	400	0	0.00	0.00	0.00	
Total	1600	10	0.63	0.31	0.95	

(Started since 2005)

Table 13.6
ANC Centre, Gangarampur Sub Division Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
12-2008	379	1	0.26	-0.17	0.70	
Total	379	1	0.26	-0.17	0.70	

(New Site)

Table 13.7
ANC Centre, Manikchak

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	349	0	0.00	0.00	0.00	
10-2006	400	0	0.00	0.00	0.00	
11-2007	400	0	0.00	0.00	0.00	
12-2008	400	2	0.50	-0.08	1.08	
Total	1549	2	0.13	-0.02	0.28	

(Started since 2005)

Table 13.8
ANC Centre, Jangipur Sub Division Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
12-2008	378	0	0.00	0.00	0.00	
Total	378	0	0.00	0.00	0.00	

(New Site)



Table 13.9
ANC Centre, Suri District Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
10-2006	400	0	0.00	0.00	0.00	0.00
12-2008	400	0	0.00	0.00	0.00	
Total	800	0	0.00	0.00	0.00	

(Started since 2006)

Table 13.10
ANC Centre, Durgapur Sub Divisional Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
1-1998	400	0	0.00	0.00	0.00	0.25
2-1998	400	1	0.25	-0.16	0.66	
3-1999	400	1	0.25	-0.16	0.66	
4-2000	400	0	0.00	0.00	0.00	
5-2001	400	0	0.00	0.00	0.00	
6-2002	400	0	0.00	0.00	0.00	
7-2003	400	2	0.50	-0.08	1.08	
8-2004	400	4	1.00	0.18	1.82	
9-2005	400	5	1.25	0.34	2.16	
10-2006	400	1	0.25	-0.16	0.66	
11-2007	400	3	0.75	0.04	1.46	
12-2008	388	1	0.26	-0.16	0.68	
Total	4788	18	0.38	0.23	0.53	

(Started since 1998)

Table 13.11
ANC Centre, Nabadwip State General Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
12-2008	393	0	0.00	0.00	0.00	
Total	393	0	0.00	0.00	0.00	

(New Site)



Table 13.12
ANC Centre, Madhyamgram, CHC

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	400	2	0.50	-0.08	1.08	0.38
10-2006	400	1	0.25	-0.16	0.66	
11-2007	400	0	0.00	0.00	0.00	
12-2008	392	2	0.51	-0.08	1.10	
Total	1592	5	0.31	0.08	0.54	

(Started since 2005)

Table 13.13
ANC Centre, Khanakul Rural Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
12-2008	400	1	0.25	-0.16	0.66	
Total	400	1	0.25	-0.16	0.66	

(New Site)

Table 13.14
ANC Centre, Bishnupur Sub Division Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
12-2008	356	0	0.00	0.00	0.00	
Total	356	0	0.00	0.00	0.00	

(New Site)

Table 13.15
ANC Centre, Raghunathpur, CHC

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	300	1	0.33	-0.22	0.88	0.13
10-2006	400	1	0.25	-0.16	0.66	
11-2007	400	0	0.00	0.00	0.00	
12-2008	380	0	0.00	0.00	0.00	
Total	1480	2	0.14	-0.02	0.30	

(Started since 2005)



Table 13.16
ANC Centre, Egra Sub Division Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
11-2007	400	0	0.00	0.00	0.00	
12-2008	400	0	0.00	0.00	0.00	
Total	800	0	0.00	0.00	0.00	

(Started since 2007)

Table 13.17
ANC Centre, Kharagpur Sub Division Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
12-2008	399	2	0.50	-0.08	1.08	
Total	399	2	0.50	-0.08	1.08	

(New Site)

Table 13.18
ANC Centre, Uluberia Sub Division Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
12-2008	399	2	0.50	-0.08	1.08	
Total	399	2	0.50	-0.08	1.08	

(New Site)

Table 13.19
ANC Centre, Bidya Sagar Sub Division Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
11-2007	400	0	0.00	0.00	0.00	
12-2008	400	0	0.00	0.00	0.00	
Total	800	0	0.00	0.00	0.00	

(Started since 2007)



Table 13.20
ANC Centre, Abinash Dutta Maternity Home

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
8-2004	400	5	1.25	0.34	2.16	1.50
9-2005	400	9	2.25	1.03	3.47	
10-2006	398	7	1.76	0.67	2.85	
11-2007	400	6	1.50	0.50	2.50	
12-2008	362	0	0.00	0.00	0.00	
Total	1960	27	1.38	0.95	1.81	

(Started since 2004)

Table 13.21
ANC Centre, Baruipur Sub Division Hospital

Round & Year	No. of Cases Tested	No of +ve cases	Prevalence Rate	Lower CI %	Upper CI %	Median Prevalence
9-2005	400	4	1.00	0.18	1.82	0.00
10-2006	400	0	0.00	0.00	0.00	
11-2007	400	0	0.00	0.00	0.00	
12-2008	400	0	0.00	0.00	0.00	
Total	1600	4	0.25	0.04	0.46	

(Started since 2005)

4.2 Demographic Characteristics: ANC Sites Attendees

No of Sites-21	HIV	VDRL
Sample Tested	8186	8186
Found Positive	17	34

Figure 10
HIV & VDRL Sero-positive Status by Age Group among ANC attendees

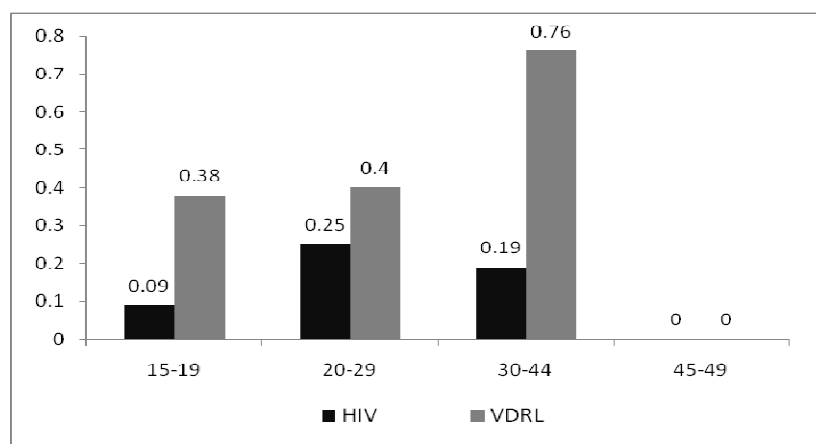




Table 14.1
HIV & VDRL Seropositive Status by Migration of Spouse

Migrant	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Yes	686	2	0.29	3	0.44
No	7493	15	0.20	30	0.40
Total	8179	17	0.21	33	0.40

Figure 11
HIV & VDRL Seropositive Status by Literacy among ANC attendees

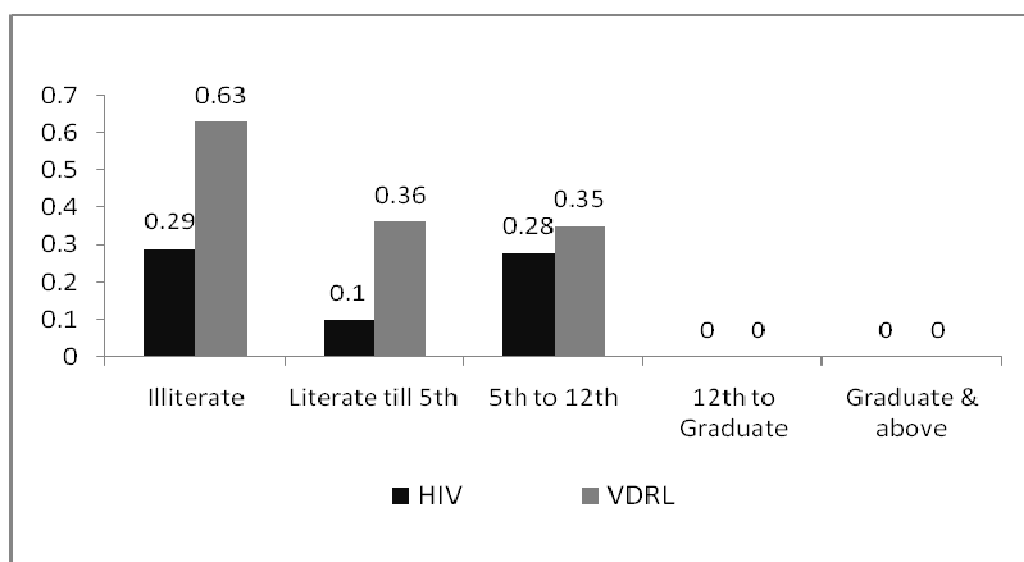


Figure 12
HIV & VDRL Seropositive Status by Locality among ANC attendees

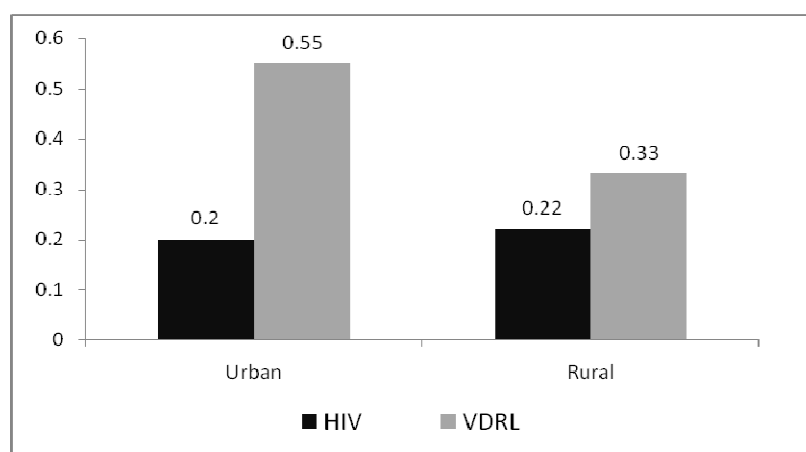




Table 14.2
HIV & VDRL Seropositive Status by Occupation (Self) among ANC attendees

Occupation	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Agricultural labourer	116	0	0.00	0	0.00
Non-agricultural labourer	118	0	0.00	0	0.00
Domestic Servant	376	0	0.00	3	0.80
Skilled/Semiskilled worker	152	0	0.00	0	0.00
Petty business / Small Shop	51	0	0.00	1	1.96
Large Business / Self-employed	27	0	0.00	0	0.00
Service (Govt / Pvt)	64	0	0.00	0	0.00
Student	17	0	0.00	1	5.88
Truck Driver / Helper	0	0	0.00	0	0.00
Local Transport worker(auto/taxi driver, handcart puller, rickshaw puller etc.	1	0	0.00	0	0.00
Hotel Staff	13	0	0.00	0	0.00
Agricultural cultivator / Landholder	1	0	0.00	0	0.00
Housewife	7250	17	0.23	29	0.40
Total	8186	17	0.21	34	0.42

(*All positives belong to the category of housewives)

Table 14.3
HIV & VDRL Seropositive Status by Occupation (Spouse) among ANC attendees

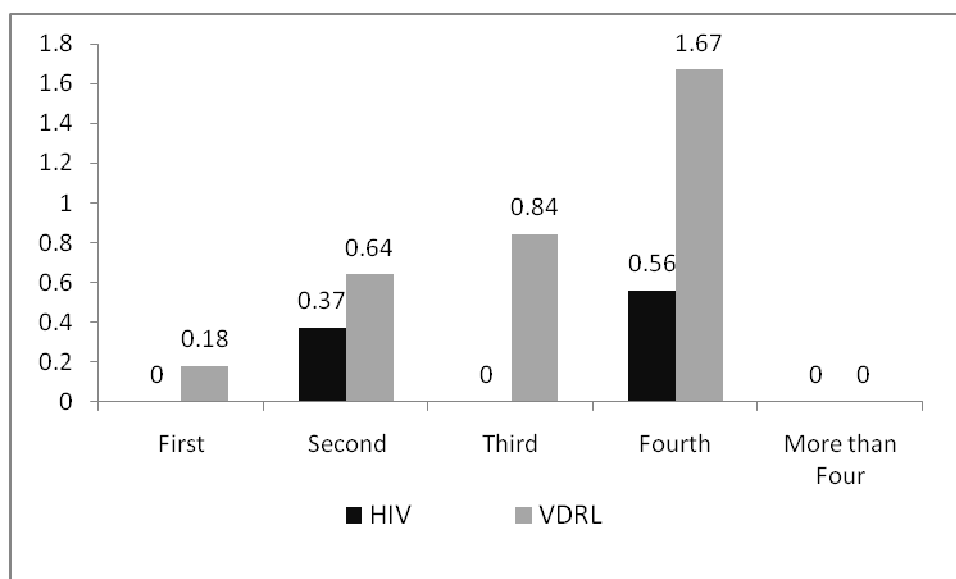
Occupation	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Agricultural labourer	1300	3	0.23	2	0.15
Non-agricultural labourer	1908	4	0.21	9	0.47
Domestic Servant	34	1	2.94	0	0.00
Skilled/Semiskilled worker	1599	3	0.19	5	0.31
Petty business / Small Shop	1194	3	0.25	7	0.59
Large Business / Self-employed	262	0	0.00	3	1.15
Service (Govt / Pvt)	511	0	0.00	0	0.00
Student	8	0	0.00	0	0.00
Truck Driver / Helper	130	3	2.31	1	0.77
Local Transport worker(auto/taxi driver, handcart puller, rickshaw puller etc.	622	0	0.00	3	0.48
Hotel Staff	71	0	0.00	2	2.82
Agricultural cultivator / Landholder	437	0	0.00	1	0.23
Unemployed	100	0	0.00	0	0.00
N/A(For never Married / Widows)	10	0	0.00	1	10.00
Total	8186	17	0.21	34	0.42



Table 14.4
HIV & VDRL Seropositive Status by Order of Pregnancy

Order of Pregnancy	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
First	4523	6	0.13	8	0.18
Second	2675	10	0.37	17	0.64
Third	751	0	0.00	6	0.80
Fourth	180	1	0.56	3	1.67
Greater than Fourth	57	0	0.00	0	0.00
Total	8186	17	0.21	34	0.42

Figure 13
HIV Prevalence by order of Pregnancy among ANC attendees





5 Status of STD Sites

Table 15
Year wise and Round wise HIV Prevalence Rate: STD Sites

Year	Round	No. of Samples		% Prevalence	Lower CI %	Upper CI %	Median Prevalence
		Tested	Positive				
1998	R1	750	18	2.4	1.43	3.21	1.73
1998	R2	951	12	1.26	0.67	1.86	
1999	R3	819	11	1.34	0.68	2.00	
2000	R4	1101	19	1.73	1.08	2.37	
2001	R5	1493	12	0.81	0.42	1.19	
2002	R6	2106	47	2.23	1.70	2.76	
2003	R7	2392	64	2.68	2.13	3.22	
2004	R8	2368	66	2.79	2.23	3.35	
2005	R9	2511	62	2.47	1.96	2.98	
2006	R10	2718	45	1.66	1.29	2.08	
2007	R11	2685	43	1.60	1.20	2.00	
2008	R12	2091	67	3.20	2.57	3.84	
Total		21985	466	2.12	1.96	2.28	

Figure 14
Trend of Prevalence Rate: STD Sites

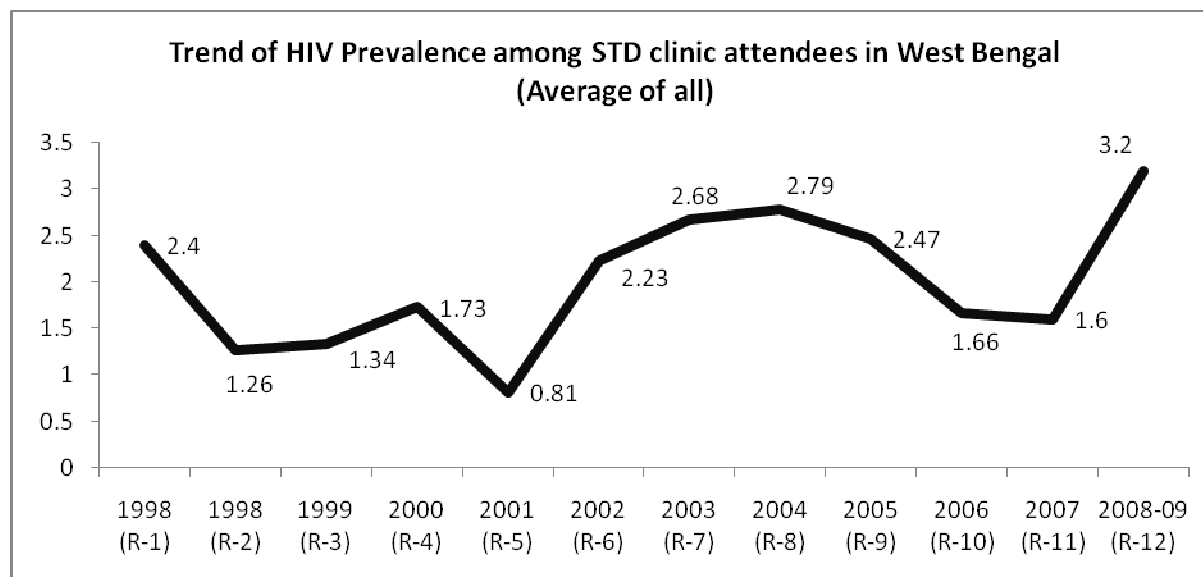




Table 16
HIV Status in STD Clinics in West Bengal: 2006-2008

STD Sites		2006			2007			2008		
District	Site Name	Tested	HIV +Ve	%	Tested	HIV +Ve	%	Tested	HIV +Ve	%
Bankura	BSMCH	250	1	0.40	250	0	0.00	203	1	0.49
Burdwan	Burdwan MCH	249	1	0.40	250	1	0.40	248	19	7.66
D. Dinajpur	Balurghat Sadar Hospital	249	3	1.20	250	2	0.80	245	4	1.63
Hoogly	Hoogly District Hospital	250	8	3.20	250	6	2.40	234	4	1.71
Kolkata	Medical College & Hospital	250	9	3.60	222	11	4.95	188	21	11.17
Murshidabad	Bahrapur DH	250	12	4.80	250	13	5.20	245	12	4.9
Nadia	Krishnanagar Sadar Hospital	250	2	0.80	249	0	0.00	232	2	0.86
Paschim Medinipur	Mednipur Medical College Hospital	247	2	0.81	250	3	1.20	249	4	1.61
South 24 Parganas	M.R Bangur Hospital	250	1	0.40	250	2	0.80	247	0	0
Total		2718	45	1.66	2685	43	1.60	2091	67	3.20

Table 17
VDRL Status in STD Clinics in West Bengal: 2006-2008

STD Sites		2006			2007			2008		
District	Site Name	Tested	VDRL +Ve	%	Tested	VDR L +Ve	%	Tested	VDRL +Ve	%
Bankura	BSMCH	250	2	0.8	250	3	1.20	203	0	0
Burdwan	Burdwan MCH	249	10	4.0	250	27	10.80	248	9	3.63
D. Dinajpur	Balurghat Sadar Hospital	249	1	0.4	250	4	1.60	245	1	0.41
Hoogly	Hoogly District Hospital	250	3	1.2	250	2	0.80	234	2	0.85
Kolkata	Medical College & Hospital	250	14	5.6	222	6	2.70	188	3	1.6
Murshidabad	Bahrapur DH	250	6	2.4	250	2	0.80	245	8	3.27
Nadia	Krishnanagar Sadar Hospital	250	1	0.4	249	5	2.01	232	6	2.53
Paschim Medinipur	Mednipur MCH	247	3	1.2	250	0	0.00	249	3	1.2
S24 Parganas	M.R Bangur Hospital	250	3	1.2	250	4	1.60	247	1	0.4
Total		2718	71	2.61	2685	62	2.31	2091	33	1.58



5.1 Round Wise Individual Site Report: STD Sites

Table 18.1
STD Centre, Balurghat District Hospital

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
6-2002	250	1	0.40	-0.26	1.06	1.20
7-2003	238	3	1.26	0.07	2.45	
8-2004	243	1	0.41	-0.27	1.09	
9-2005	176	4	2.27	0.42	4.12	
10-2006	249	3	1.20	0.06	2.35	
11-2007	250	2	0.80	-0.13	1.73	
12-2008	245	4	1.63	0.30	2.96	
Total	1651	18	1.09	0.67	1.51	

(Started since 2002)

Table 18.2
STD Centre, Baharampur Sadar Hospital

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
6-2002	250	5	2.00	0.54	3.46	4.00
7-2003	250	10	4.00	1.96	6.04	
8-2004	243	4	1.65	0.31	2.99	
9-2005	250	12	4.80	2.58	7.02	
10-2006	250	12	4.80	2.58	7.02	
11-2007	250	13	5.20	2.89	7.51	
12-2008	245	12	4.90	2.63	7.17	
Total	1738	68	3.91	3.15	4.68	

(Started since 2002)



Table 18.3
STD Centre, Burdwan Medical College Hospital

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
2-1998	250	0	0.00	0.00	0.00	0.40
3-1999	228	1	0.44	-0.28	1.16	
4-2000	250	1	0.40	-0.26	1.06	
5-2001	250	1	0.40	-0.26	1.06	
6-2002	250	0	0.00	0.00	0.00	
7-2003	250	1	0.40	-0.26	1.06	
8-2004	244	2	0.82	-0.13	1.77	
9-2005	245	5	2.04	0.55	3.53	
10-2006	249	1	0.40	-0.26	1.06	
11-2007	250	1	0.40	-0.26	1.06	
12-2008	248	19	7.66	4.88	10.44	
Total	2714	32	1.18	0.84	1.52	

(Started since 1998)

Table 18.4
STD Centre, Krishnagar District Hospital

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
6-2002	214	1	0.47	-0.30	1.24	0.82
7-2003	250	3	1.20	0.07	2.33	
8-2004	244	2	0.82	-0.13	1.77	
9-2005	215	2	0.93	-0.15	2.01	
10-2006	250	2	0.80	-0.13	1.73	
11-2007	249	0	0.00	0.00	0.00	
12-2008	232	2	0.86	-0.14	1.86	
Total	1654	12	0.73	0.38	1.07	

(Started since 2002)

Table 18.5
STD Centre, Hoogly District Hospital

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	147	5	3.40	0.94	5.86	2.80
10-2006	250	8	3.20	1.36	5.04	
11-2007	250	6	2.40	0.81	3.99	
12-2008	234	4	1.71	0.32	3.10	
Total	881	23	2.61	1.73	3.49	

(Started since 2005)



Table 18.6
STD Centre, Bankura Sammilani Medical College Hospital

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
1-1998	225	2	0.89	-0.14	1.92	0.48
2-1998	250	2	0.80	-0.13	1.73	
3-1999	224	1	0.45	-0.29	1.18	
4-2000	250	1	0.40	-0.26	1.06	
5-2001	240	3	1.25	0.07	2.43	
6-2002	215	1	0.47	-0.30	1.23	
7-2003	250	4	1.60	0.29	2.91	
8-2004	204	0	0.00	0.00	0.00	
9-2005	199	3	1.51	0.09	2.93	
10-2006	250	1	0.40	-0.26	1.06	
11-2007	250	0	0.00	0.00	0.00	
12-2008	203	1	0.49	-0.32	1.30	
Total	2706	19	0.70	0.44	0.97	

(Started since 1998)

Table 18.7
STD Centre, Medinipur Medical College Hospital

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	84	1	1.19	-0.76	3.14	1.19
10-2006	247	2	0.81	-0.13	1.75	
11-2007	250	3	1.20	0.07	2.33	
12-2008	249	4	1.61	0.30	2.92	
Total	830	10	1.20	0.58	1.83	

(Started since 2005)



Table 18.8
STD Centre, Calcutta Medical College Hospital

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
1-1998	300	12	4.00	2.14	5.86	4.40
2-1998	250	6	2.39	0.80	3.98	
3-1999	250	6	2.39	0.80	3.98	
4-2000	247	8	3.24	1.39	5.09	
5-2001	250	6	2.40	0.81	3.99	
6-2002	177	11	6.21	3.22	9.21	
7-2003	250	24	9.60	6.54	12.66	
8-2004	233	46	19.74	15.45	24.03	
9-2005	250	12	4.80	2.58	7.02	
10-2006	250	9	3.60	1.66	5.54	
11-2007	222	11	4.96	2.56	7.35	
12-2008	188	21	11.17	7.39	14.95	
Total	2867	172	6.00	5.27	6.73	

(Started since 1998)

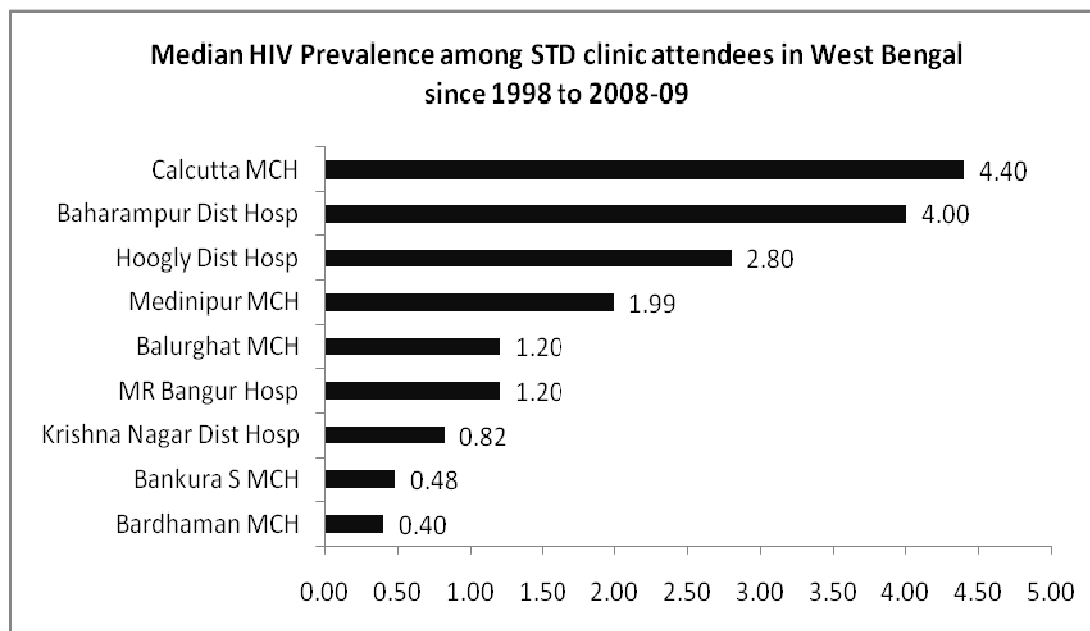
Table 18.9
STD Centre, M.R. Bangur Hospital

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence	
4-2000	252	7	2.78	1.07	4.48	1.20	
5-2001	250	2	0.80	-0.13	1.73		
6-2002	250	7	2.80	1.08	4.52		
7-2003	250	10	4.00	1.96	6.04		
8-2004	250	3	1.20	0.07	2.33		
9-2005	247	8	3.24	1.39	5.09		
10-2006	250	1	0.40	-0.26	1.06		
11-2007	250	2	0.80	-0.13	1.73		
12-2008	247	0	0.00	0.00	0.00		
Total	2246	40	1.78	1.32	2.24		

(Started since 2000)



Figure 15
Median Prevalence Rate of HIV among STI clinic attendees since 1998 to 2008-09



5.2 Demographic Characteristics: STD Sites Attendees

No of Sites-9	HIV	VDRL
Sample Tested	2091	2091
Found Positive	67	33

Table 19.1
HIV & VDRL Seropositive Status by Sex

Sex	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Male	846	37	4.37	16	1.89
Female	1245	30	2.41	17	1.37
Total	2091	67	3.20	33	1.58



Figure 16
Age and Sex wise HIV Prevalence among STI clinic attendees 2008-09

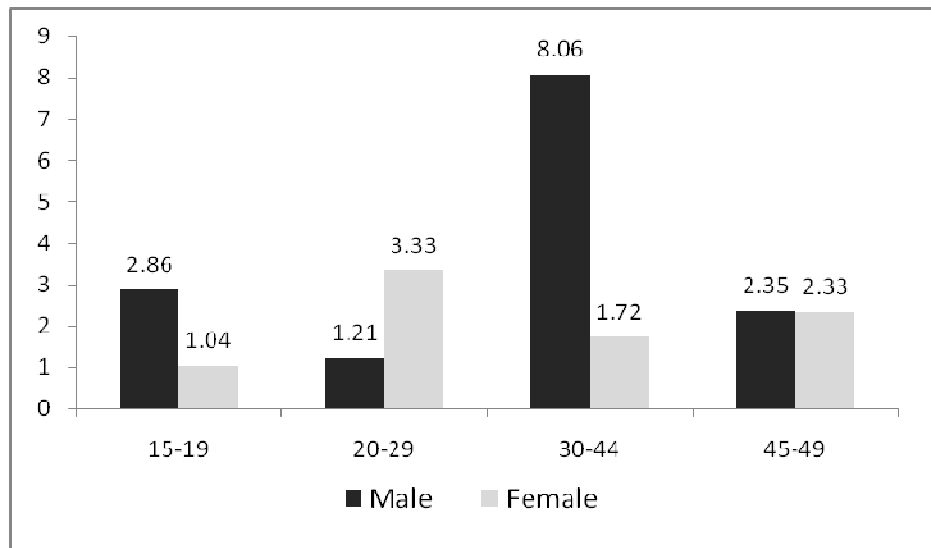


Figure 17
Age and Sex wise VDRL Positivity among STI clinic attendees of West Bengal 2008-09

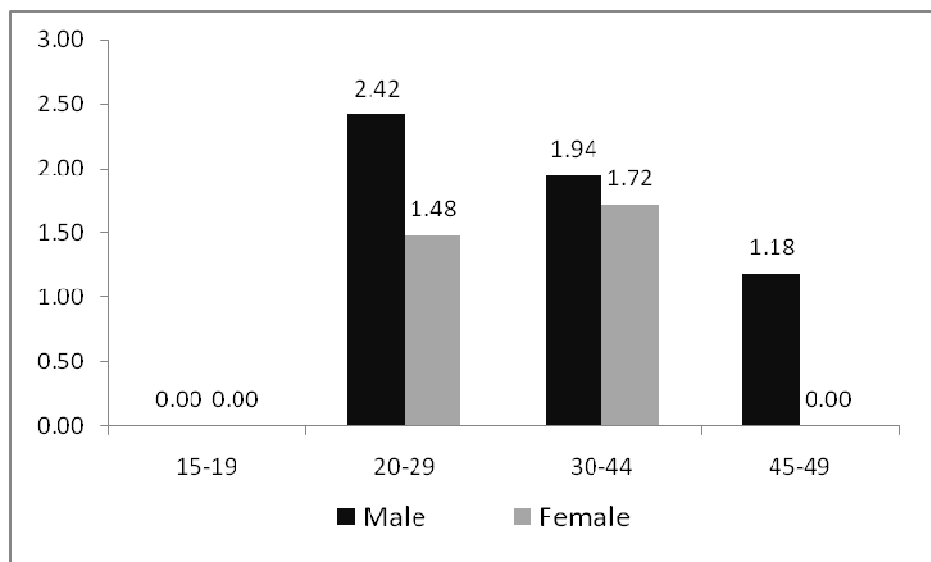




Figure 18

Sex wise HIV Prevalence by Locality among STI clinic attendees in West Bengal 2008-09

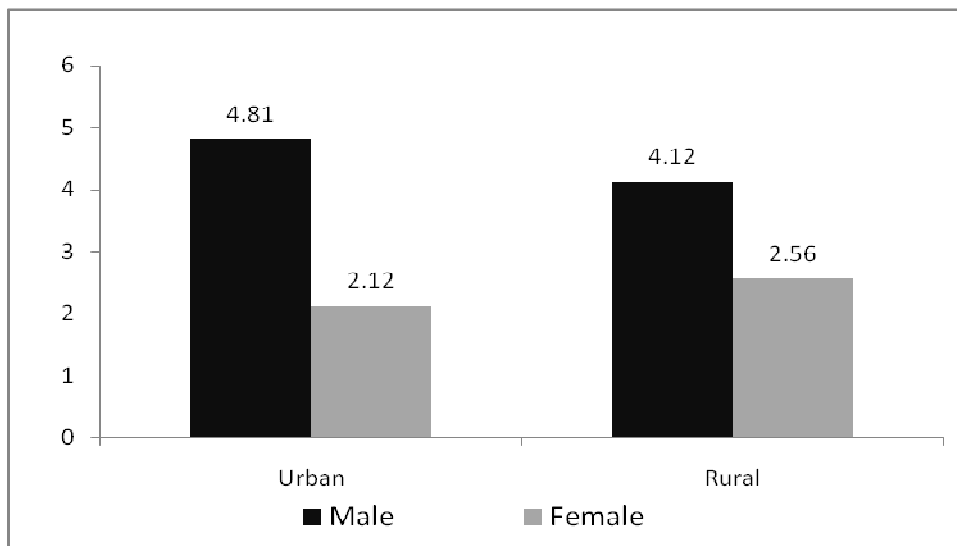


Figure 19

Sex wise VDRL positivity by locality among STI clinic attendees in West Bengal 2008-09

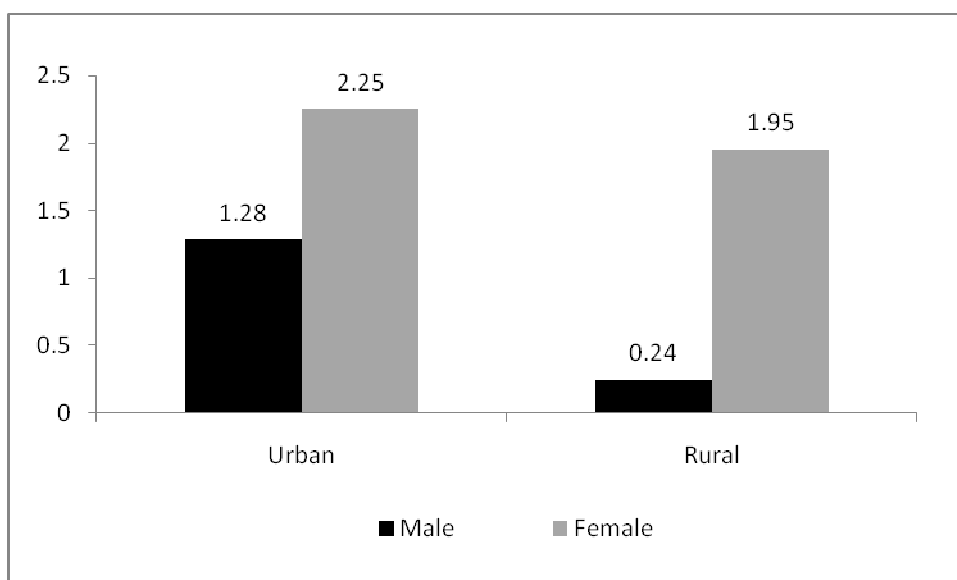




Table 19.2
HIV & VDRL Seropositive Status of Females who's Spouse reside alone in another place.

Husband Migrant	Sample Tested	HIV Positive	% Positive	VDRL Positive	% Positive
Yes	68	6	8.82	3	4.41
No	1081	16	1.48	11	1.02
Total	1149	22	1.91	14	1.22

Figure 20
Sex wise HIV Prevalence by Literacy among STI clinic attendees in West Bengal 2008-09

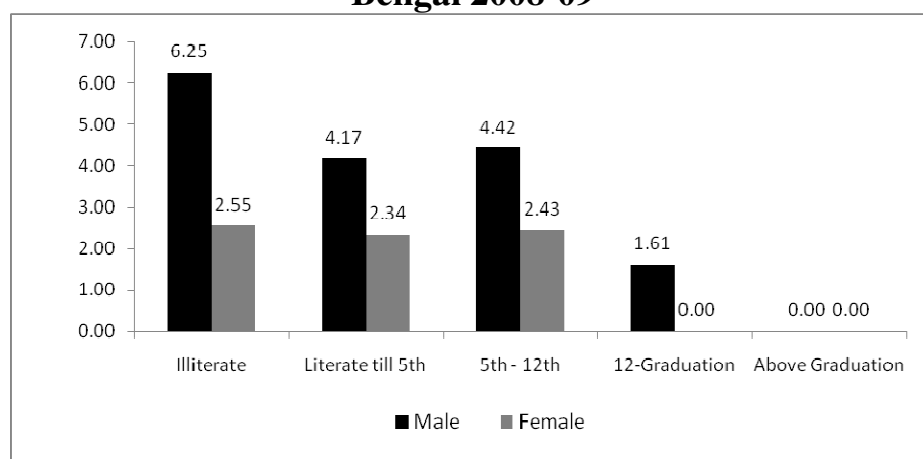


Figure 21
Sex wise VDRL positivity by Literacy among STI clinic attendees in West Bengal 2008-09

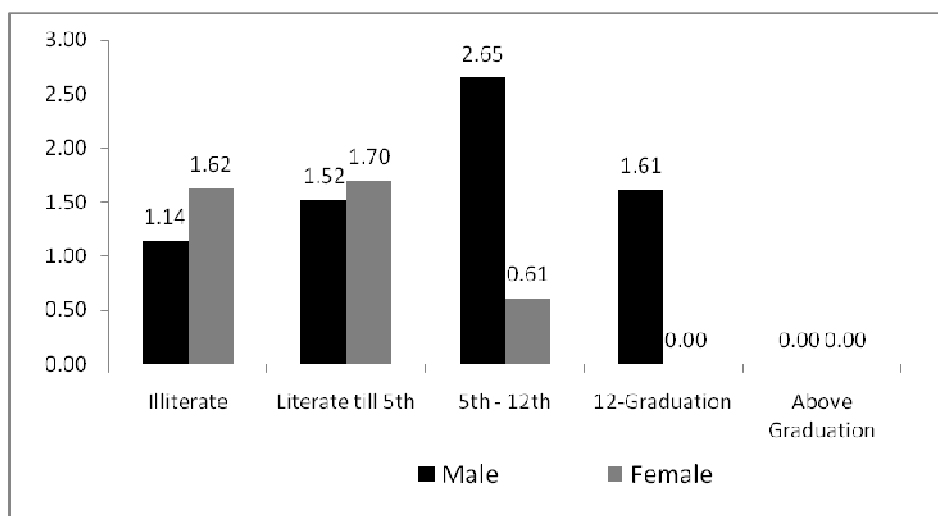




Figure 22
Sex wise HIV Prevalence by Occupation (Self) among STD clinic attendees
in West Bengal 2008-09

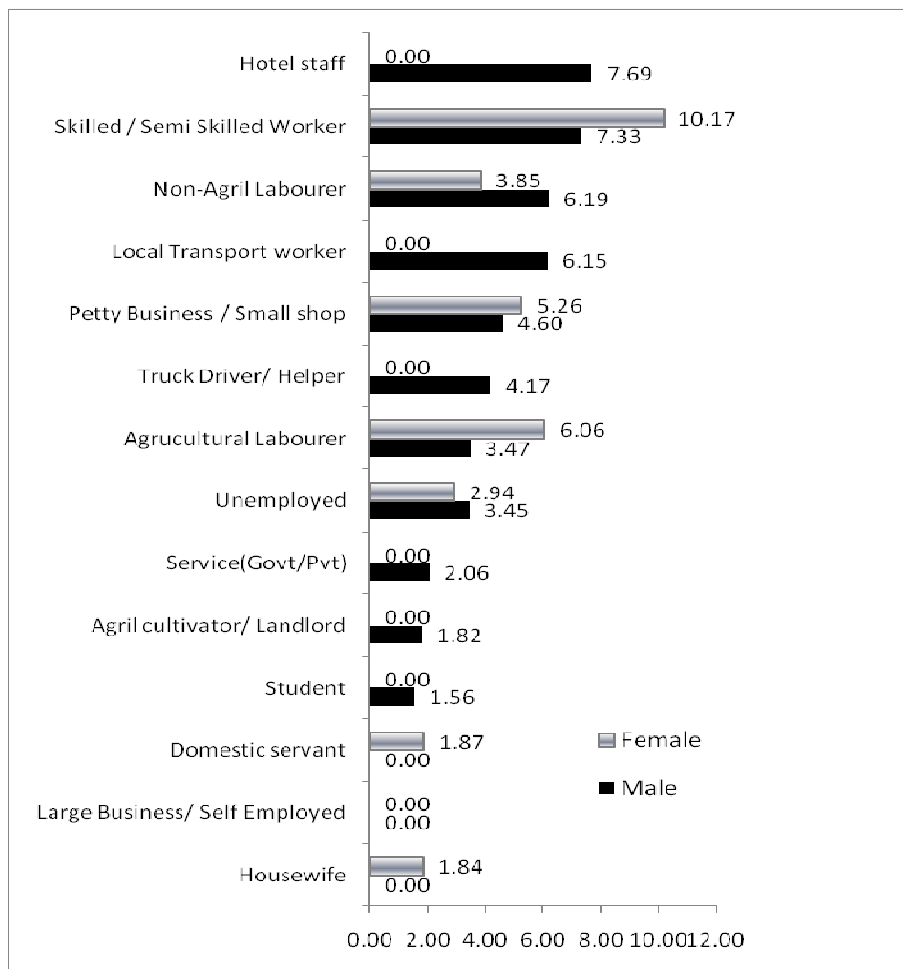




Figure 23
Sex wise VDRL Prevalence by Occupation (Self) among STD clinic attendees in West Bengal 2008-09

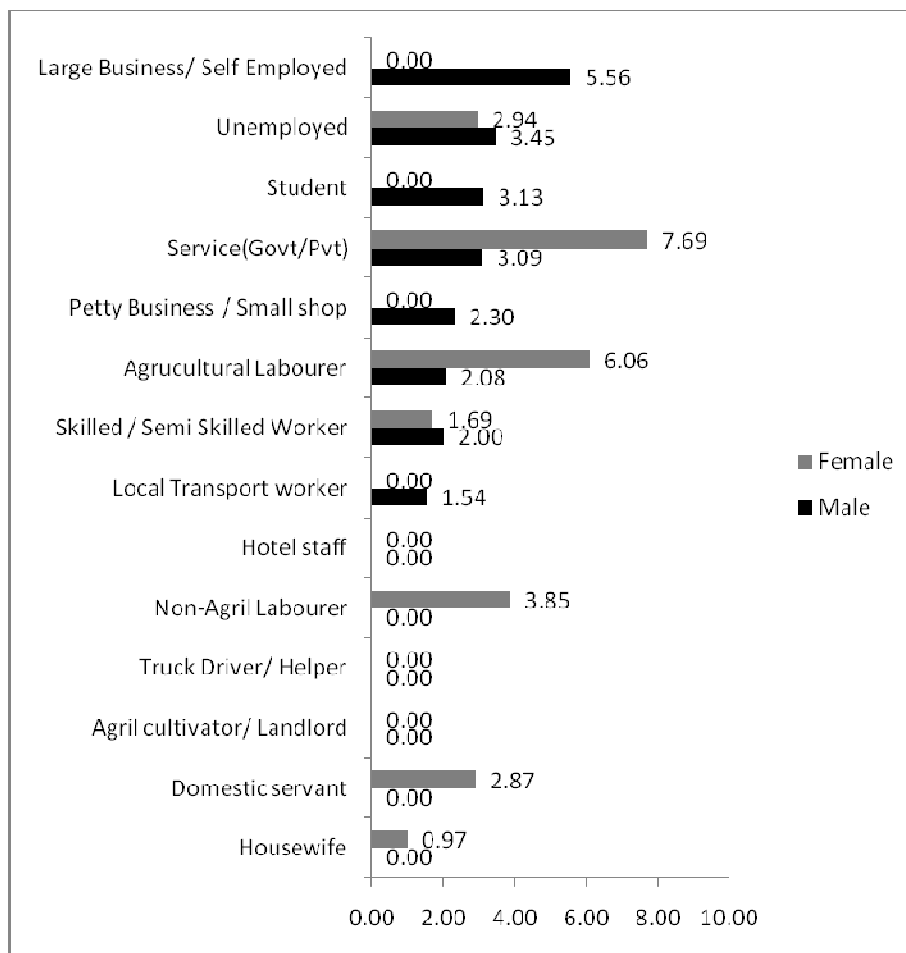




Table 19.3
HIV & VDRL Seropositivity Status by Occupation of Spouses of STI clinic attendees in West Bengal 2008-09

Occupation	Male					Female					Total				
	Sample Tested	HIV Positive	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Agricultural Labourer	20	0	0.00	1	5.00	213	5	2.35	6	2.82	233	5	2.15	7	3.00
Non-agricultural Labourer	8	1	12.50	0	0.00	142	2	1.41	2	1.41	150	3	2.00	2	1.33
Domestic Servant	40	3	7.50	2	5.00	5	0	0.00	0	0.00	45	3	6.67	2	4.44
Skilled/Semi Skilled Worker	11	1	9.09	0	0.00	167	5	2.99	0	0.00	178	6	3.37	0	0.00
Petty Business/Small Shop	4	0	0.00	0	0.00	156	3	1.92	0	0.00	160	3	1.88	0	0.00
Large Business/Self Employed	1	0	0.00	0	0.00	26	0	0.00	1	3.85	27	0	0.00	1	3.70
Service (Govt/Pvt)	8	0	0.00	0	0.00	75	3	4.00	1	1.33	83	3	3.61	1	1.20
Student	0	0	0.00	0	0.00	0	0	0.00	0	0.00	0	0	0.00	0	0.00
Truck Driver/Helper	0	0	0.00	0	0.00	45	1	0.00	0	0.00	45	1	2.22	0	0.00
Local Transport Worker(Auto/ Taxi, Hand Cart, Rickshaw Puller)	0	0	0.00	0	0.00	121	1	0.00	0	0.00	121	1	0.83	0	0.00
Hotel Staff	2	0	0.00	1	50.00	18	1	5.56	1	5.56	20	1	5.00	2	10.00
Agricultural Cultivator/Landlord	1	0	0.00	0	0.00	150	0	0.00	1	0.67	151	0	0.00	1	0.66
Unemployed	0	0	0.00	0	0.00	21	0	0.00	2	9.52	21	0	0.00	2	9.52
Housewife	499	0	0.00	6	1.20	0	0	0.00	0	0.00	499	22	4.41	6	1.20
Not Applicable	252	10	3.97	6	2.38	106	9	8.49	3	2.83	358	19	5.31	9	2.51
Total	846	37	4.37	16	1.89	1245	30	2.41	17	1.37	2091	67	3.20	33	1.58



Table 19.4

HIV & VDRL Seropositivity Status by Clinical Diagnosis among STI clinic attendees in West Bengal 2008-09

Syndromic Diagnosis.	Male					Female					Total				
	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive	Sample Tested	HIV +ve	% Positive	VDRL +ve	% Positive
Ano-genital Ulcers	450	24	5.33	11	2.44	168	10	5.95	3	1.79	618	34	5.50	14	2.27
Urethral Discharge/ Cervical Discharge	221	5	2.26	4	1.81	812	11	1.35	10	1.23	1033	16	1.55	14	1.36
Genital Ulcers & Urethral Discharge/ Cervical Discharge	97	0	0.00	1	1.03	226	4	1.77	3	1.33	323	4	1.24	4	1.24
Ano-genital Warts	78	8	10.26	0	0.00	39	5	12.82	1	2.56	117	13	11.11	1	0.85
Total	846	37	4.37	16	1.89	1245	30	2.41	17	1.37	2091	67	3.20	33	1.58



6 Status of FSW Sites

Table 20
Year wise and Round wise HIV Prevalence Rate: FSW Sites

Year	Round	No. of Samples		% Prevalence	Lower CI %	Upper CI %	Median Prevalence
		Tested	Positive				
2003	R7	1750	113	6.46	5.49	7.43	6.02
2004	R8	1750	72	4.11	3.33	4.89	
2005	R9	1383	94	6.79	6.60	8.66	
2006	R10	1960	120	6.12	5.23	7.02	
2007	R11	2248	133	5.92	5.10	6.74	
2008	R12	2668	110	4.12	3.49	4.76	
Total		11759	642	5.46	5.13	5.79	

Figure 24
Trend of Average HIV Prevalence among FSWs in West Bengal 2003 to 2008-09

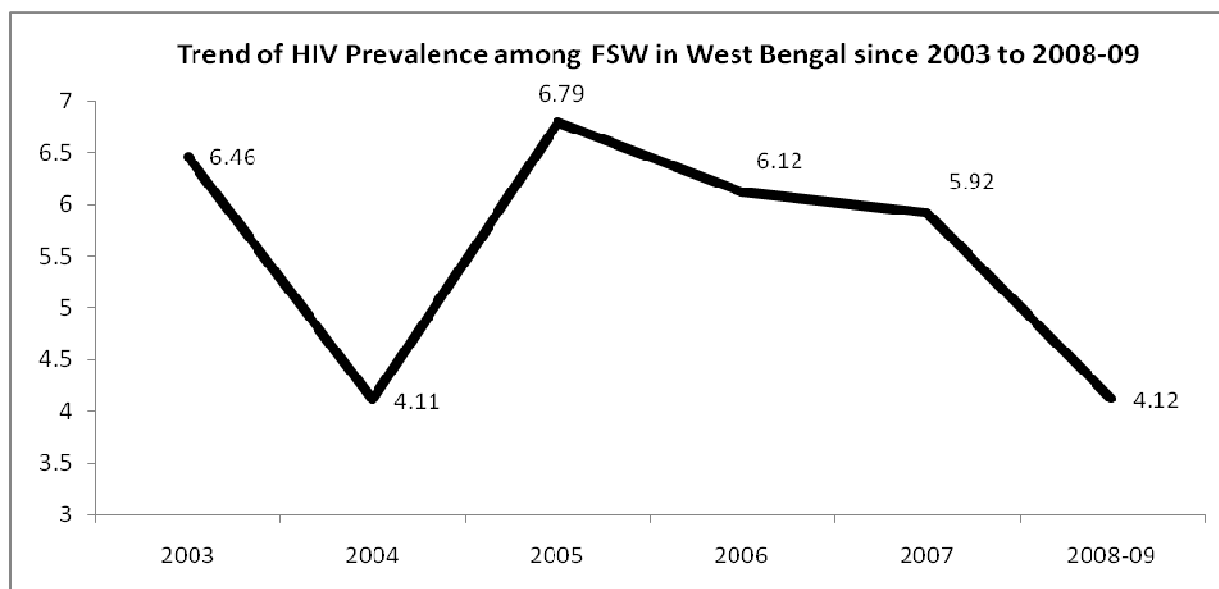




Table 21
HIV Status in FSW Sites in West Bengal: 2006-2008

		2006			2007			2008		
District	Site Name	Tested	HIV +Ve	%	Tested	HIV +Ve	%	Tested	HIV +Ve	%
Burdwan	DMSC Durgapur TI	250	20	8.00	250	15	6.00	246	8	3.25
Darjeeling	DMSC, Khalpara	238	18	7.56	250	20	8.00	250	2	0.80
Jalpaiguri	Jalapaiguri TI Hriday	224	20	8.93	250	13	5.20	250	0	0.00
Kolkata	SHIP	250	19	7.60	250	13	5.20	249	22	8.84
Murshidabad	SPMUS Behrampur TI	250	5	2.00	250	3	1.20	249	3	1.20
North 24 Parganas	SBMS(TI) Basirhat	248	8	3.23	248	12	4.84	234	23	9.83
Purba Medinipur	VES Haldia TI	250	22	8.80	250	13	5.20	253	17	6.72
South 24 Parganas	CWRC Diamond Harbour TI project	250	8	3.20	250	13	5.20	250	4	1.60
Uttar Dinajpur	DMSC Islampur/Panjipara	-	-	-	250	31	12.40	243	18	7.41
Birbhum	Suri EICS	-	-	-	-	-	-	244	7	2.87
Burdwan	DISHA Assansole	-	-	-	-	-	-	200	6	3.00
Total		1960	120	6.12	2248	133	5.92	2668	110	4.12

6.1 Round Wise Individual Site Report: FSW Sites

Table 22.1
FSW Centre, SHIP TI Project

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	24	9.60	6.54	12.66	8.22
8-2004	250	9	3.60	1.66	5.54	
9-2005	250	26	10.40	7.22	13.58	
10-2006	250	19	7.60	4.83	10.37	
11-2007	250	13	5.20	2.89	7.51	
12-2008	249	22	8.84	5.87	11.80	
Total	1499	113	7.54	6.47	8.60	
12-2008	240	13	5.42	2.34	9.42	After excluding 09 consecutive HIV +ve samples

(Started since 2003)

On 15th June 2009 out of 17 samples 9 samples were found HIV positive consecutively. Hence those were excluded from analysis.



Table 22.2
FSW Centre, CWRC Diamond Harbour Road TI Project

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	11	4.40	2.27	6.53	3.80
8-2004	250	4	1.60	0.29	2.91	
9-2005	250	20	8.00	5.18	10.82	
10-2006	250	8	3.20	1.36	5.04	
11-2007	250	13	5.20	2.89	7.51	
12-2008	250	4	1.60	0.29	2.91	
Total	1500	60	4.00	3.21	4.79	

(Started since 2003)

Table 22.3
FSW Centre, DMSC Centre, Durgapur TI Project

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	19	7.60	4.84	10.36	6.40
8-2004	250	11	4.40	2.27	6.53	
9-2005	250	17	6.80	4.18	9.42	
10-2006	250	20	8.00	5.17	10.83	
11-2007	250	15	6.00	3.53	8.47	
12-2008	246	8	3.25	1.39	5.12	
Total	1496	90	6.02	5.06	6.98	

(Started since 2003)

Table 22.4
FSW Centre Jalpaiguri- CSWs TI Project

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	23	9.20	6.19	12.21	5.80
8-2004	250	14	5.60	3.21	7.99	
9-2005	50	3	6.00	0.48	11.52	
10-2006	224	20	8.93	5.78	12.07	
11-2007	250	13	5.20	2.89	7.51	
12-2008	250	0	0.00	0.00	0.00	
Total	1274	73	5.73	4.71	6.75	

(Started since 2003)



Table 22.5
FSW Centre, SPMUS Beharampur CSWs TI Project

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	15	6.00	3.53	8.47	2.00
8-2004	250	5	2.00	0.54	3.46	
9-2005	118	3	2.54	0.16	4.92	
10-2006	250	5	2.00	0.54	3.46	
11-2007	250	3	1.20	0.07	2.33	
12-2008	249	3	1.20	0.06	2.35	
Total	1367	34	2.49	1.83	3.14	

(Started since 2003)

Table 22.6
FSW Centre, Haldia CSWs TI Project

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
7-2003	250	5	2.00	0.54	3.46	7.36
8-2004	250	24	9.60	6.54	12.66	
9-2005	250	20	8.00	5.18	10.82	
10-2006	250	22	8.80	5.85	11.75	
11-2007	250	13	5.20	2.89	7.51	
12-2008	253	17	6.72	4.12	9.32	
Total	1503	101	6.72	5.71	7.73	

(Started since 2003)

Table 22.7
FSW Centre, DMSC Khalpara , TI Project

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	250	35	14.00	10.39	17.61	7.78
10-2006	238	18	7.56	4.74	10.39	
11-2007	250	20	8.00	5.18	10.82	
12-2008	250	2	0.80	-0.13	1.73	
Total	988	75	7.59	6.28	8.91	

(Started since 2005)



Table 22.8
FSW Centre, SBMS Basirhat, TI Project FSWs

Round & Year	No. of Cases Tested	No of +ve cases	% Seropostivity	Lower CI %	Upper CI %	Median Prevalence
10-2006	248	8	3.23	1.37	5.08	4.84
11-2007	248	12	4.84	2.60	7.08	
12-2008	234	23	9.83	6.62	13.04	
Total	730	43	5.89	4.53	7.25	
12-2008	218	7	3.21	2.34	9.42	After exclusion of 16 consecutive HIV+ve samples

(Started since 2006)

All 16 samples collected on 14th and 15th July 2009 (last two days) were found HIV positive consecutively and those were excluded from analysis.

Table 22.9
FSW Centre, DMSC Islampur/Panjipara TI Project FSWs

Round & Year	No. of Cases Tested	No of +ve cases	% Seropostivity	Lower CI %	Upper CI %	Median Prevalence
11-2007	250	31	12.40	8.97	15.83	9.91
12-2008	243	18	7.41	4.64	10.18	
Total	493	49	9.94	7.84	12.04	

(Started since 2007)

Table 22.10
FSW Centre, Suri, EICS, Birbhum, TI Project FSWs

Round & Year	No. of Cases Tested	No of +ve cases	% Seropostivity	Lower CI %	Upper CI %	Median Prevalence
12-2008	244	7	2.87	1.11	4.63	
Total	244	7	2.87	1.11	4.63	

(NewSite)

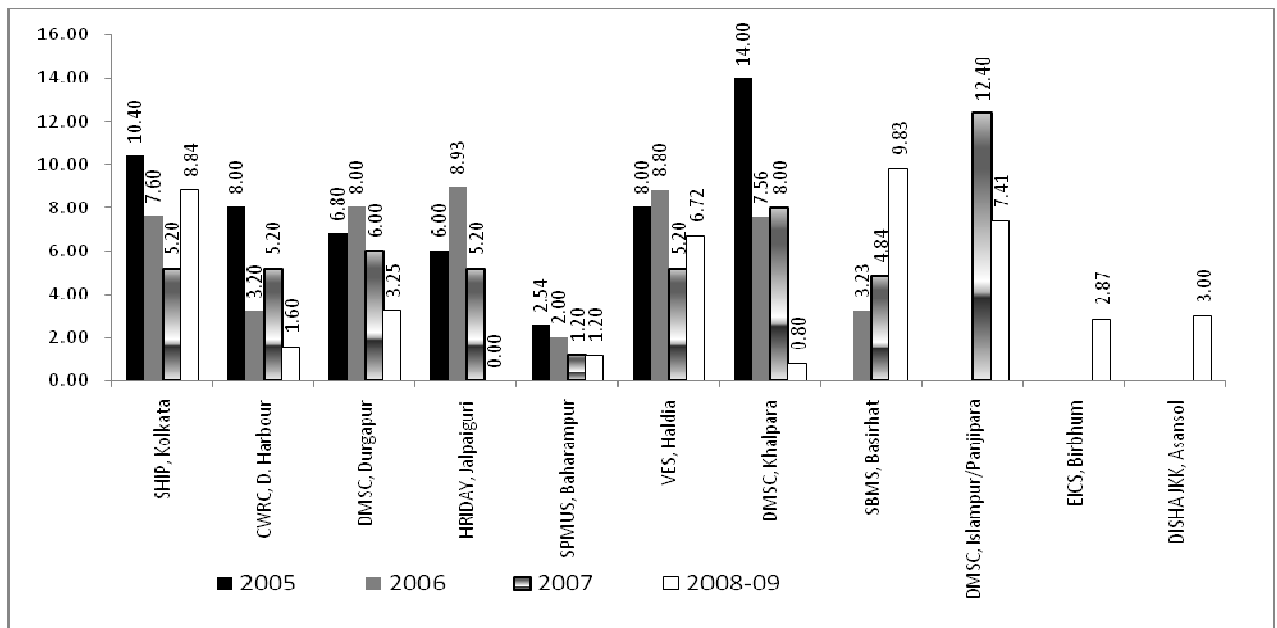
Table 22.11
FSW Centre, DISHA Janakalyan Kendra, Assansole, TI Project FSWs

Round & Year	No. of Cases Tested	No of +ve cases	% Seropostivity	Lower CI %	Upper CI %	Median Prevalence
12-2008	200	6	3.00	1.01	4.99	
Total	200	6	3.00	1.01	4.99	

(New Site)



Figure 25
Trend of site wise HIV Prevalence among FSWs in West Bengal 2005 to 2008-09



6.2 Demographic Characteristics: FSW Sites Attendees

No of Sites	11
Sample Tested	2668
Found Positive	110

Figure 26
HIV Prevalence among different age groups of FSW in West Bengal 2008-09

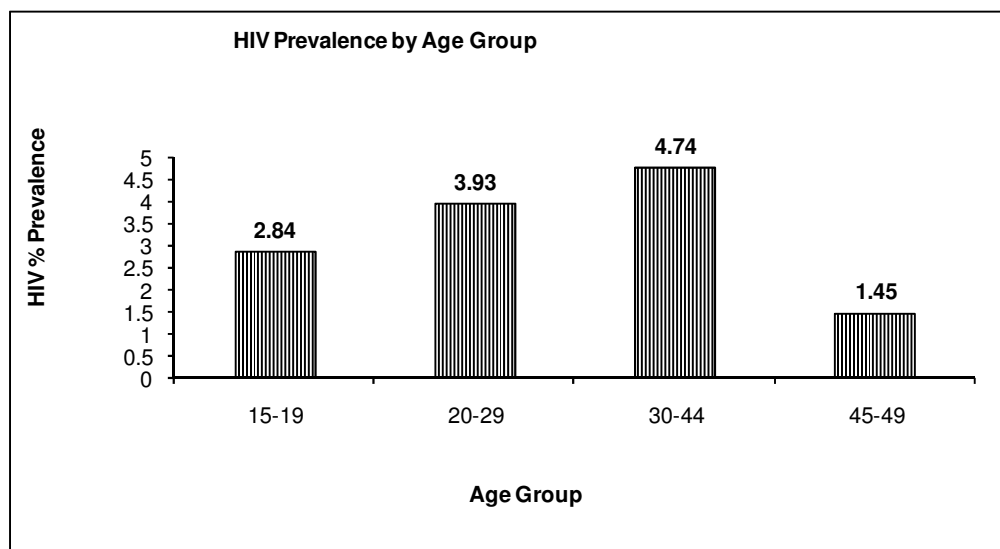




Figure 27
Prevalence of HIV among FSW by residence in West Bengal 2008-09

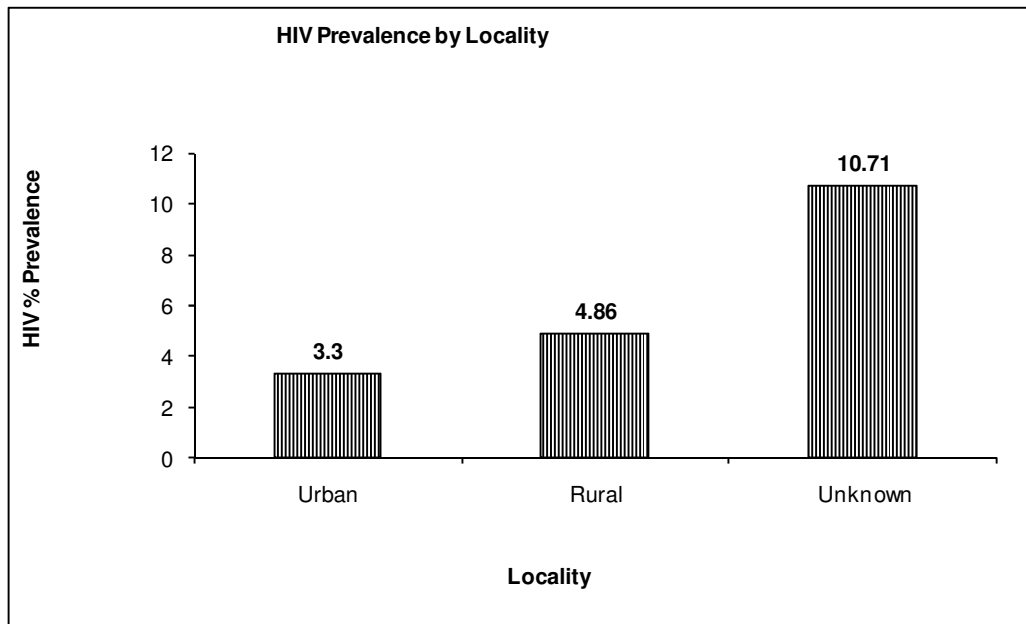
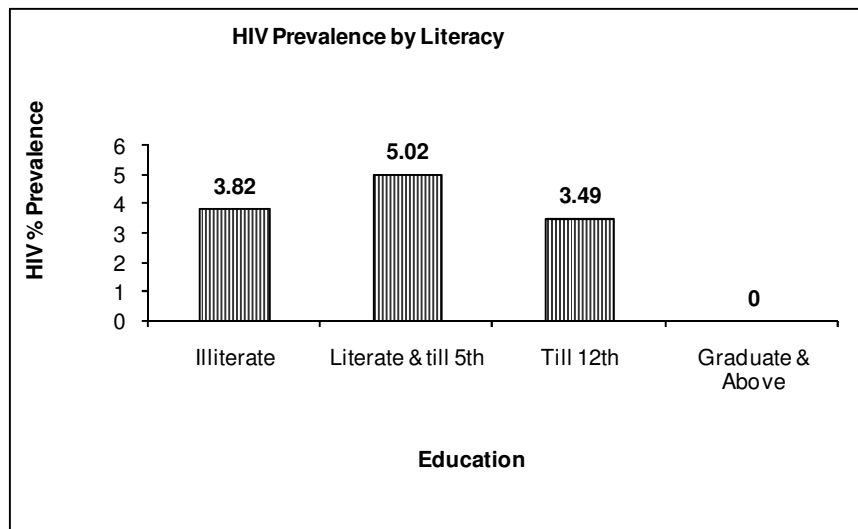


Figure 28
HIV Prevalence among FSWs by Literacy in West Bengal 2008-09





7 Statute of IDU Sites

Table 23
Year wise and Round wise HIV Prevalence Rate at 90 Percent Confidence Interval

Year	Round	No of sites	No. of Samples		% Positive	Lower CI %	Upper CI %	Median Prevalence
			Tested	Positive				
2002	R6	1	205	3	1.46	0.08	2.84	4.64
2003	R7	1	230	6	2.61	0.88	4.34	
2004	R8	1	225	5	2.22	0.60	3.84	
2005	R9	4	998	74	7.41	4.84	6.86	
2006	R10	5	1250	58	4.64	3.66	5.62	
2007	R11	5	1250	97	7.76	6.52	9.00	
2008	R12	4	937	52	5.55	4.32	6.78	
Total			5095	295	5.79	5.28	6.30	

Figure 29
Trend of HIV Prevalence among IDUs in West Bengal since 2002 to 2008-09 IDU Sites

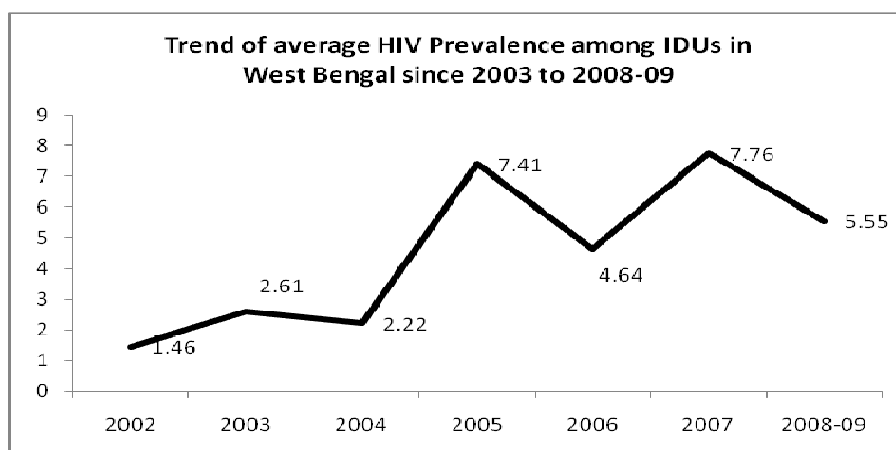


Table 24
HIV Prevalence among IDUs in West Bengal: 2006-2008

District	Site Name	2006			2007			2008		
		Tested	HIV +Ve	%	Tested	HIV +Ve	%	Tested	HIV +Ve	%
Darjeeling	Indian Red Cross Society Kurseong	250	8	3.20	250	20	8.00	247	8	3.24
Murshidabad	SCIR-Lalgola	250	2	0.80	250	6	2.40	239	5	2.09
Kolkata	SCIR – Park Circus	250	13	5.20	250	17	6.80	231	17	7.36
Darjeeling	SCIR – Jhankar More	-	-	-	-	-	-	220	22	10.00
Total					1250	97	7.76	937	52	5.55



7.1 Round Wise Individual Site Report: IDU Sites

Table 25.1
IDU Centre, SCIR Kolkata

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
8-2004	225	5	2.22	0.60	3.84	5.20
9-2005	250	7	2.80	1.08	4.52	
10-2006	250	13	5.20	2.88	7.52	
11-2007	250	17	6.80	4.18	9.42	
12-2008	231	17	7.36	4.52	10.19	
Total	1206	59	4.89	3.92	5.86	

(Started since 2004)

Table 25.2
IDU Centre, SCIR Lalgola

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	248	2	0.81	-0.12	1.74	1.45
10-2006	250	2	0.80	-0.13	1.73	
11-2007	250	6	2.40	0.81	3.99	
12-2008	239	5	2.09	0.56	3.62	
Total	987	15	1.52	0.91	2.13	

(Started since 2005)

Table 25.3
IDU Centre, Indian Red Cross Society, Kurseong

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
10-2006	250	8	3.20	1.36	5.04	3.24
11-2007	250	20	8.00	5.18	10.82	
12-2008	247	8	3.24	1.38	5.10	
Total	747	36	4.82	3.60	6.04	

(Started from 2006)



Table 25.4
IDU Centre, SKBS, TI

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
10-2006	250	10	4.00	1.96	6.04	
11-2007	250	25	10.00	6.88	13.12	
12-2008*	0	0	0	0	0	
Total	500	35	7.00	5.12	8.88	

(Started from 2006) * Closed during HSS 2008-09 round

7.2 Demographic Characteristics: IDU Sites Attendees

No of Sites	4
Sample Tested	937
Found Positive	52

Figure 30
HIV Prevalence by Age and Sex among IDUs in West Bengal

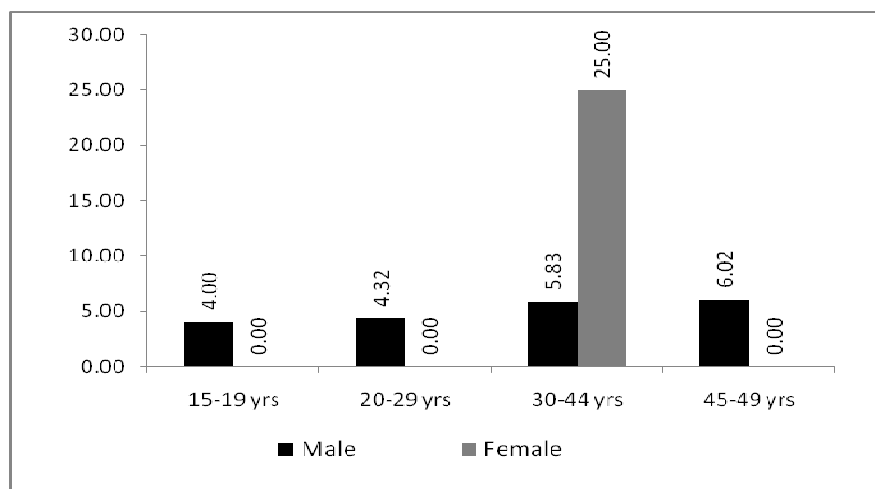




Figure 31
HIV Prevalence by Locality among IDUs in West Bengal

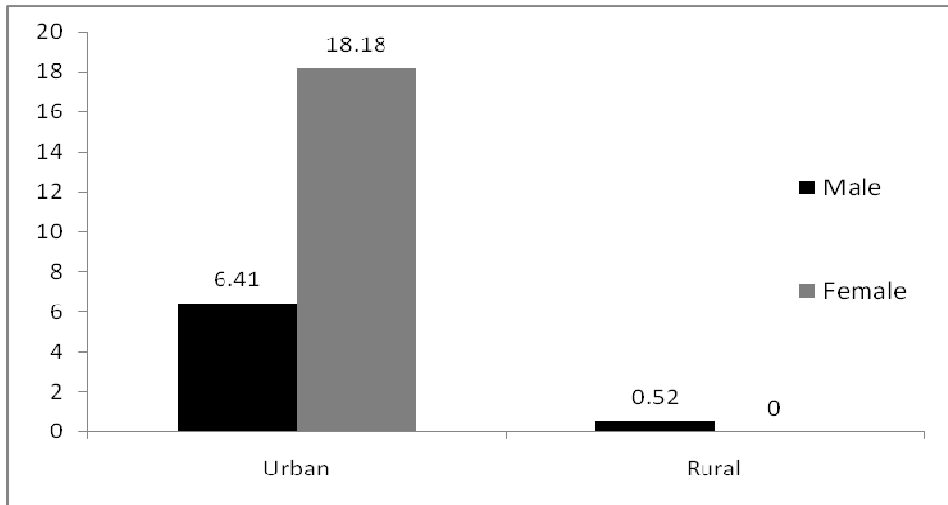


Figure 32
HIV Prevalence by Literacy among IDUs of West Bengal

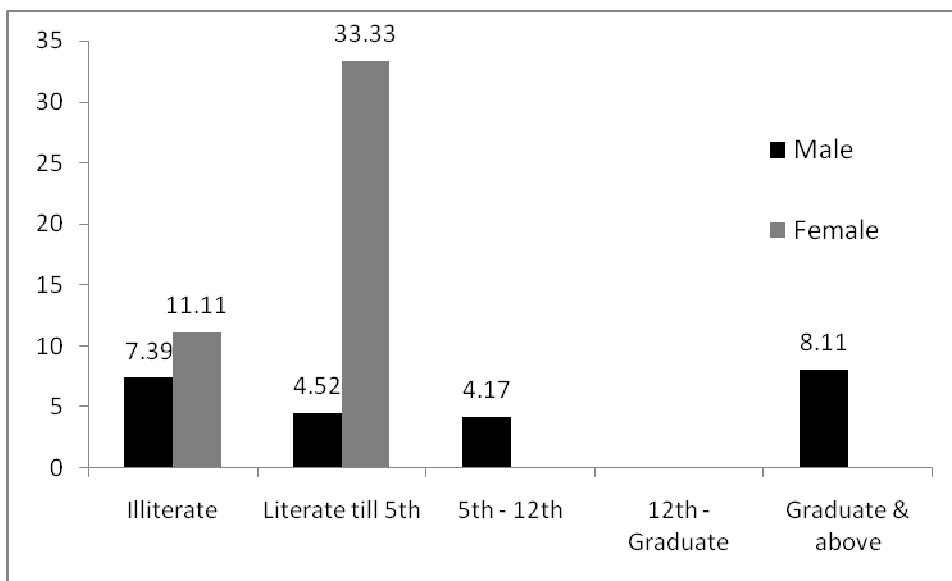




Table 26
HIV Seropositive Status by Occupation (self) among IDUs in West Bengal

Education	Male			Female			Unknown			Total		
	Sample Tested	HIV +ve	% Positive	Sample Tested	HIV +ve	% Positive	Sample Tested	HIV +ve	% Positive	Sample Tested	HIV +ve	% Positive
Agricultural labourer	31	0	0.00				2	0	0.00	33	0	0.00
Non-agricultural labourer	74	2	2.70	1	0	0.00				75	2	2.67
Domestic servant	3	0	0.00	1	0	0.00				4	0	0.00
Skilled/semiskilled worker	50	2	4.00	2	1	50.00				52	3	5.77
Petty business/small shop	109	3	2.75				2	0	0.00	111	3	2.70
Large business/self employed	41	2	4.88	1	1	100.00				42	3	7.14
Service(Govt/Pvt.)	118	13	11.02	1	0	0.00	2	0	0.00	121	13	10.74
Student	16	0	0.00							16	0	0.00
Truck driver/helper	8	0	0.00							8	0	0.00
Local transport worker (auto/taxi driver/handcart or rickshaw pullers)	140	7	5.00				4	1	25.00	144	8	5.56
Hotel staff	32	2	6.25				1	0	0.00	33	2	6.06
Agricultural cultivator/landholder	9	0	0.00							9	0	0.00
Unemployed	262	14	5.34	1	0	0.00	7	2	28.57	270	16	5.93
Never married/widows/widowers)	14	2	14.29	2	0	0.00				16	2	12.50
Housewife	0	0		3	0	0.00				3	0	0.00
Total	907	47	5.18	12	2	16.67	18	3	16.67	937	52	5.55



8 Status of MSM Sites

Table 27
Year wise and Round wise HIV Prevalence Rate at 90 Percent Confidence Interval

Year	Round	No of sites	No. of Samples		% Positive	Lower CI %	Upper CI %	Median Prevalence
			Tested	Positive				
2004	R8	1	150	2	1.33	-0.21	2.87	5.02
2005	R9	1	186	1	0.54	-0.34	1.42	
2006	R10	2	500	33	6.60	4.77	8.43	
2007	R11	3	748	42	5.61	4.23	6.99	
2008	R12	4	997	50	5.02	3.87	6.16	
Total			2581	128	4.96	4.29	5.63	

Table 28
HIV Status in MSM Centres in West Bengal: 2006-2008

District	Site Name	2006			2007			2008		
		Tested	HIV +Ve	%	Tested	HIV +Ve	%	Tested	HIV +Ve	%
Darjeeling	Manas Bangla	250	12	4.80	250	12	4.80	248	9	3.63
Kolkata	Manas Bangla	250	21	8.40	250	16	6.40	249	23	9.24
Hooghly	Manas Bangla	-	-	-	248	14	5.65	250	10	4.00
Burdwan	Manas Bangla	-	-	-	-	-	-	250	8	3.20
Total		500	33	6.6	748	42	5.61	997	50	5.02

8.1 Round Wise Individual Site Report: MSM Sites

Table 29.1
MSM Centre, Manas Bangla, Kolkata

Round & Year	No. of Cases Tested	No of +ves	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
8-2004	150	2	1.33	-0.21	2.87	6.40
9-2005	186	1	0.54	-0.34	1.42	
10-2006	250	21	8.40	5.51	11.29	
11-2007	250	16	6.4	3.85	8.95	
12-2008	249	23	9.24	6.21	12.26	
Total	1085	63	5.81	4.70	6.91	

(Started since 2004)



Table 29.2
MSM Centre, Manas Bangla, Siliguri

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
10-2006	250	12	4.80	2.57	7.03	4.80
11-2007	250	12	4.80	2.58	7.02	
12-2008	248	9	3.63	1.67	5.59	
Total	748	33	4.41	3.24	5.58	

(Started since 2006)

Table 29.3
MSM Centre, Manas Bangla, Hooghly

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
11-2007	248	14	5.65	3.23	8.06	
12-2008	250	10	4.00	1.96	6.04	
Total	498	24	4.82	3.32	6.32	

(Started since 2007)

Table 29.4
MSM Centre, Manas Bangla, Burdwan

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
12-2008	250	8	3.20	1.36	5.04	
Total	250	8	3.20	1.36	5.04	

(New Site)



8.2 Demographic Characteristics: MSM Sites Attendees

No of Sites	4
Sample Tested	997
Found Positive	50

Figure 33
HIV Prevalence by Age Group among MSM in West Bengal

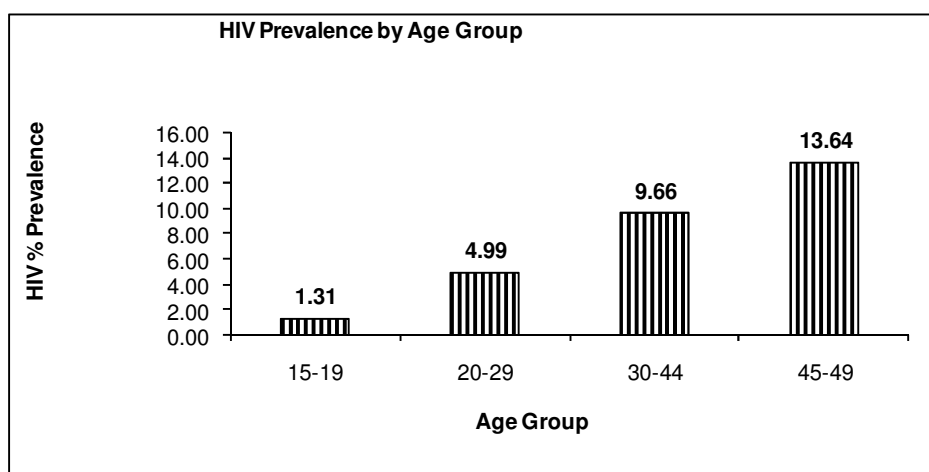


Figure 34
HIV Prevalence by Literacy among MSM in West Bengal

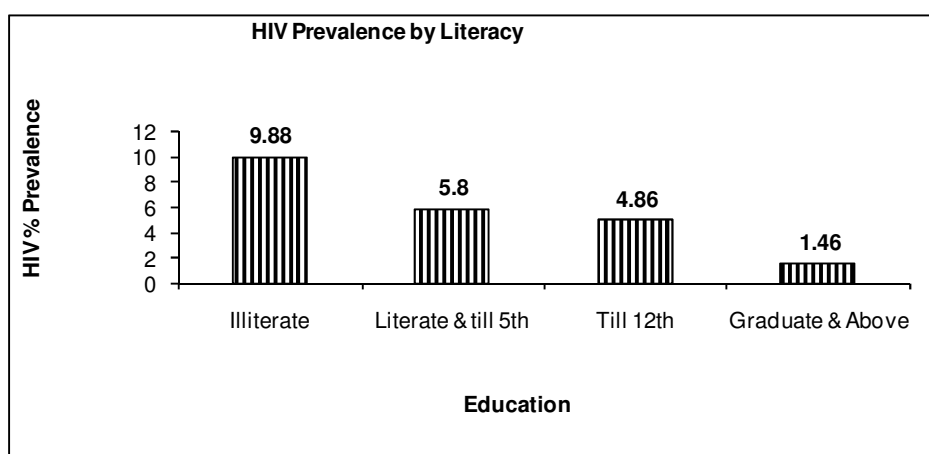




Table 30.1
HIV Seropositivity Status by Occupation among MSM in West Bengal
2008-09

Occupation	Sample Tested	HIV +Ve	% Positive
Agricultural labourer	11	1	9.09
Non-agricultural labourer	146	12	8.22
Domestic servant	6	0	0.00
Skilled/semiskilled worker	182	8	4.40
Petty business/small shop	128	7	5.47
Large business/self employed	23	4	17.39
Service(Govt/Pvt.)	210	8	3.81
Student	153	1	0.65
Truck driver/helper	11	1	9.09
Local transport worker (auto/taxi driver/handcart pullers	38	1	2.63
Hotel staff	20	1	5.00
Agricultural cultivator/landholder	1	0	0.00
Unemployed	67	6	8.96
Others	1	0	0.00
Total	997	50	5.02



9 Status of Truckers Sites

Table 31
Year wise and Round wise HIV Prevalence (90% Confidence Interval)

Year	Round	No of sites	No. of Samples		% Positive	Lower CI %	Upper CI %	Median Prevalence
			Tested	Positive				
2006	R10	5	1248	34	2.72	1.96	3.48	2.72
2007	R11	5	1249	34	2.72	1.96	3.48	
2008	R12	5	1083	19	1.75	1.10	2.41	
Total			3580	87	2.43	2.03	2.83	

(Started since 2006)

Table 32
Site-wise HIV Prevalence among Truckers in West Bengal: 2006 - 2008

District	Site Name (TI)	2006			2007			2008		
		Tested	HIV +Ve	%	Tested	HIV +Ve	%	Tested	HIV +Ve	%
Purba Medinipur	HVP Haldia	250	6	2.40	250	8	3.20	249	4	1.61
Jalpaiguri	GUP	248	5	2.02	250	8	3.20	250	2	0.80
Kolkata	BPWT Kolkata	250	11	4.40	250	7	2.80	87	0	0.00
Bardhaman	SSSS	250	6	2.40	249	8	3.21	249	7	2.81
Dakshin Dinajpur	NMMS Hilli	250	6	2.40	250	3	1.20	248	6	2.42
Total		1248	34	2.72	1249	34	2.72	1083	19	1.75

9.1 Round Wise Individual Site Report: Truckers Sites

Table 33.1
Truckers Centre, NMMS-Hilli, D. Dinajpur

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	248	3	1.21	0.07	2.35	1.81
10-2006	250	6	2.40	0.80	4.00	
11-2007	250	3	1.20	0.07	2.33	
12-2008	248	6	2.42	0.81	4.03	
Total	996	18	1.81	1.15	2.47	

(Started since 2005)



Table 33.2
Truckers Centre, SSSS Burdwan

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	248	9	3.63	1.68	5.58	3.01
10-2006	250	6	2.40	0.80	4.00	
11-2007	249	8	3.21	1.37	5.05	
12-2008	249	7	2.81	1.08	4.54	
Total	996	30	3.01	2.17	3.86	

(Started since 2005)

Table 33.3
Truckers Centre, HVP Haldia, Purba Medinipur

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	249	3	1.20	0.06	2.34	2.01
10-2006	250	6	2.40	0.80	4.00	
11-2007	250	8	3.20	1.37	5.03	
12-2008	249	4	1.61	0.29	2.92	
Total	998	21	2.10	1.40	2.81	

(Started since 2005)

Table 33.4
Truckers Centre, BPWT CPT, Kolkata

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
9-2005	250	10	4.00	1.96	6.04	3.40
10-2006	250	11	4.40	2.26	6.54	
11-2007	250	7	2.80	1.08	4.52	
12-2008	87	0	0.00	0.00	0.00	
Total	837	28	3.35	2.38	4.31	

(Started since 2005)

Table 33.5
Truckers Centre, GUP TI

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %	Median Prevalence
10-2006	248	5	2.02	0.54	3.49	2.02
11-2007	250	8	3.20	1.37	5.03	
12-2008	250	2	0.80	-0.13	1.73	
Total	748	15	2.01	1.21	2.80	

(Started since 2006)



9.2 Demographic Characteristics: Trucker Sites Attendees

No of Sites	5
Sample Tested	1083
Found Positive	19

Figure 35
HIV Prevalence by Age Group among Truckers in West Bengal

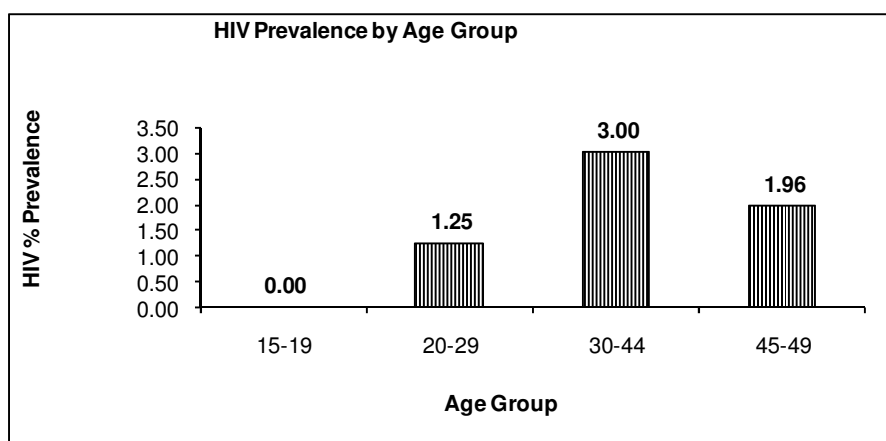


Figure 36
HIV Prevalence by Locality among Truckers in West Bengal

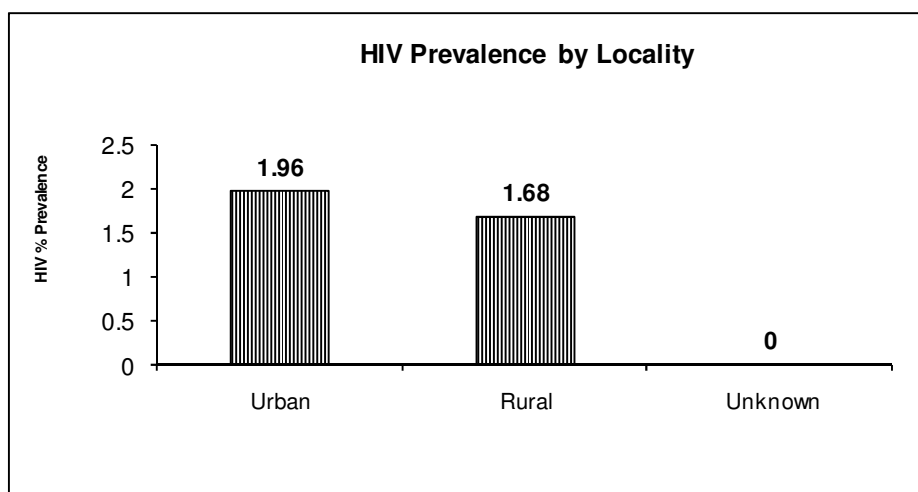
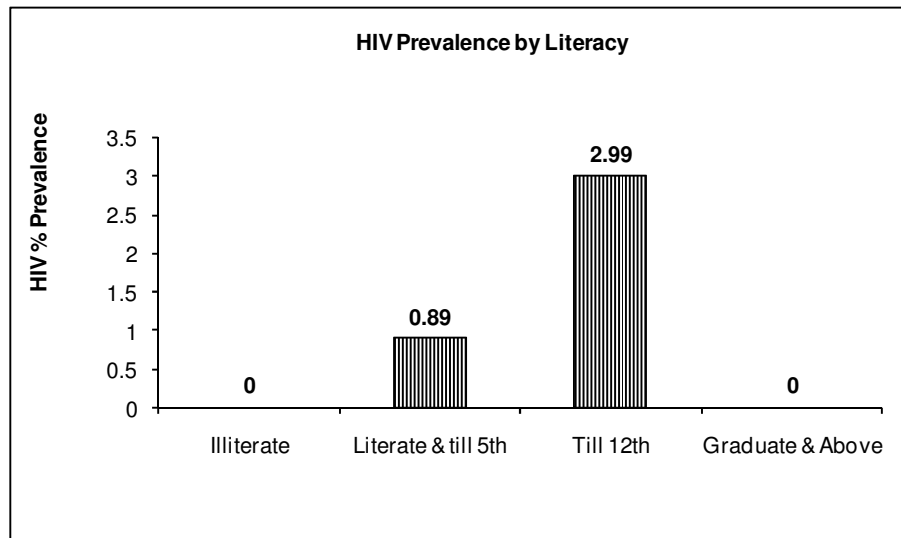




Figure 37
HIV Prevalence by Literacy among Truckers in West Bengal





10 Status of Migrant Labourer Sites

Table 34
ML Centre, HDRI, Kolkata

Round & Year	No. of Cases Tested	No of +ve cases	% Seropositivity	Lower CI %	Upper CI %
11-2007	248	23	9.27	6.24	12.30
12-2008	242	6	2.48	0.83	4.13
Total	490	29	5.92	4.26	7.58

(Started since 2007)

Figure 38
HIV Prevalence by Age Group among ML, West Bengal 2008-09

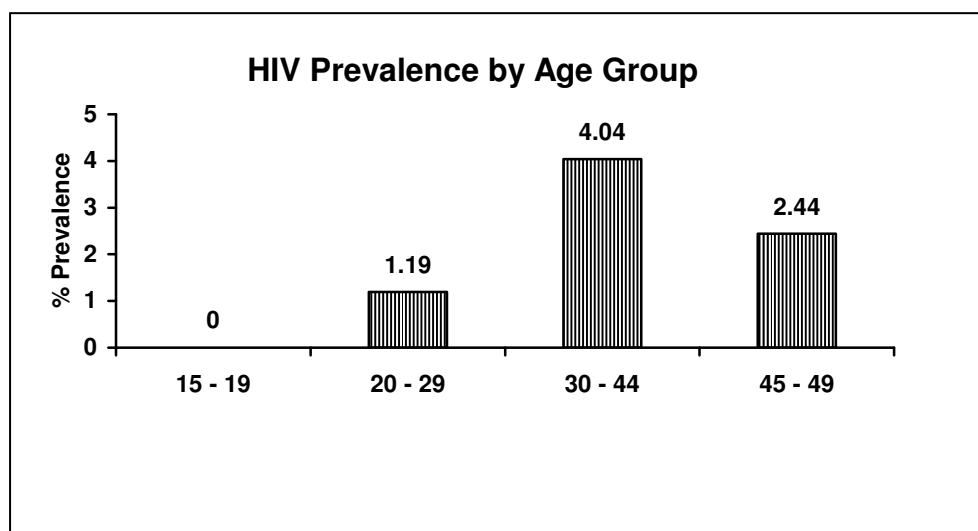


Figure 39
HIV Prevalence by Locality among ML West Bengal, 2008-09

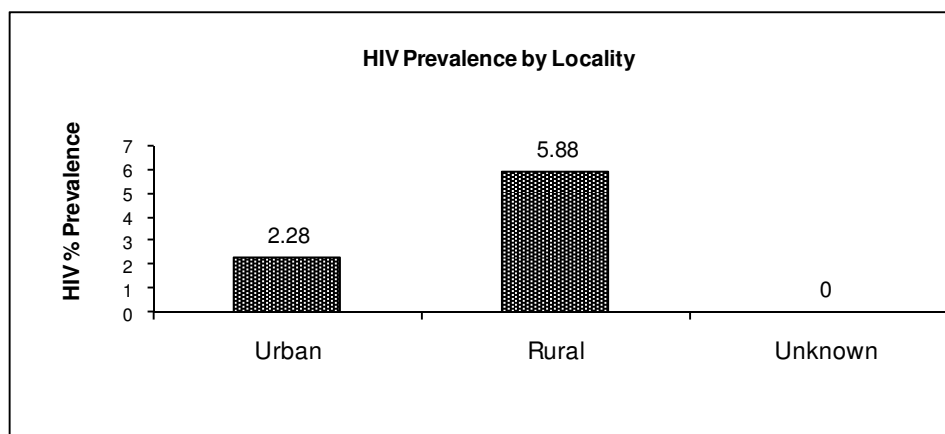




Figure 40
HIV Prevalence by Literacy Group among ML West Bengal, 2008-09

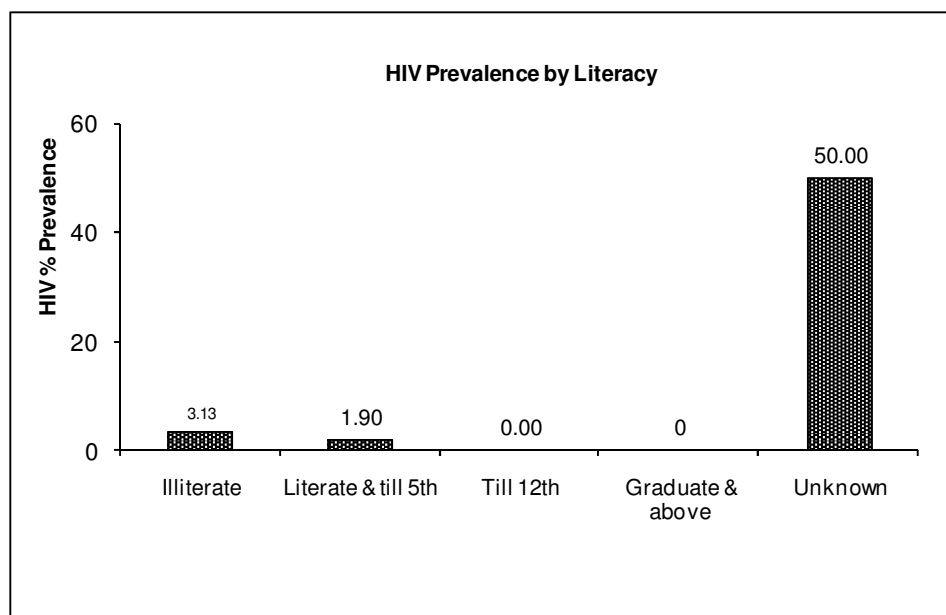


Table 35
HIV Sero-positive Status by Occupation (Self) among ML, West Bengal

Occupation	Sample Tested	HIV +ve	% Positive
Non-agricultural labourer	184	4	2.17
Domestic servant	2	0	0.00
Petty business/small shop	30	1	3.33
Service (Govt/Pvt.)	9	0	0.00
Truck driver/helper	1	0	0.00
Local transport worker (auto/taxi driver/handcart pullers)	13	1	7.69
Hotel staff	1	0	0.00
Others	2	0	0.00
Total	242	6	2.48



Annexure 1: List of Sentinel Sites - 2008

1.1 ANC Sentinel Sites

Sl. No.	District	Name of Designated Site	Site In-charge and Contact no.	Type of site	Samples
1.	Darjeeling	Siliguri DH	Dr. B Dutta 91+9434462231	Old	400
2.	Darjeeling	Kalingpong SDH	Dr. Salomi Bhutia 91+9434380840	Old	400
3.	Jalpaiguri	Alipur Duar SDH	Dr.Sukla Dutta. 91+9434103952	New	400
4.	Cooch Behar	Mathabhanga SDH	Dr. P. Nath 91+9434686321	Old	400
5.	Uttar Dinajpur	Kaliaganj SDH	Dr.Suparna Dey 91+9434459114	Old	400
6.	Dakshin Dinajpur	Gangarampur SDH	Dr.R.Mondal. 91+9433251641	New	400
7.	Malda	Manikchak RH	Dr.Tapas Roy 91+9932827067	Old	400
8.	Murshidabad	Jangipur SDH	Dr.Probir Kumar Saha. 91+9830385878	New	400
9.	Birbhum	Suri Dist hospital	Dr.Sadhan Kumar Let. 91+9474766962	New	400
10.	Burdwan.	Durgapur SDH	Dr. M.K. Nandi 91+9832167607	Old	400
11.	Nadia	Nabadwip SDH	Dr.Prasanta Sarkar. 91+9434073240	New	400
12.	North 24 Pgs	Madhyamgram RH	Dr.Jyoti Biswas 91+9830032433	Old	400
13.	Howrah	Uluberia SDH	Dr.Swapan Kumar Pal. 91+9830567433	New	400
14.	Bankura	Bishnupur SDH	Dr.R.N.Pradhan. 91+9434205359	New	400
15.	Purulia	Raghunathpur SDH	Dr.Santanu Bose 91+9434205160	Old	400
16.	Paschim Midnapur	Egra SDH	Dr.Bidisha Banik. 91+9734444338	Old	400
17.	Purba Midnapur	Kharagpur SDH	Dr.Rajat Kumar Das. 91+9434204526	New	400
18.	Hoogly	Khanakul RH	Dr.Dr.Kankan Chatterjee 91+9433084264	New	400
19.	Kolkata.	Abinash Dutta M.Home	Dr.Shampa Kumar. 91+9475196091	Old	400
20.	Kolkata	Bidya Sagar SDH	Dr. Lata Ojha 91+9331094709	Old	400
21.	South 24 Pgs	Baruipur SDH	Dr.Dibyendu Dutta 91+94331098702	Old	400



1.2 STD Sentinel Sites

Sl. No	District	Name of Designated Site	Site In-charge and Contact no.	Type of Site	Samples
1.	Dakshin Dinajpur	Balurghat.DH	Dr.Ashok Sarkar 91+9434247072	Old	250
2.	Murshidabad	Baharampur .DH	Dr.Dhyanotosh Biswas 9434173683	Old	250
3.	Burdwan	BMCH	Dr.Malay Haldar 91+9433001086	Old	250
4.	Nadia	Krishnanagar.DH	Dr.Amaresh Mondal 91+9434129364	Old	250
5.	Hooghly.	Hooghly DH	Dr.Shankar Dey 91+9433180854	Old	250
6.	Bankura	BSMCH.Bankura	Dr.D.P.Datta 91+9434391835	Old	250
7.	Paschim Midnapur	MMC.Midnapur	Dr. M. K Naskar 91+9433147862	Old	250
8.	Kolkata	Kolkata Medical College & Hospital	Dr.P.K.Datta 91+9830060411	Old	250
9.	South 24 Pgs	M.R.Bangur DH	Dr.Subhasish Saha 91+9433116087	Old	250

1.3 FSW Sentinel Sites-2008

Sl. No	District	Name of Designated Site	Site In-charge and Contact no.	Type of Site	Samples
1.	Darjeeling	DMSC. Khalpara	Ms.Mithu Chakraborty 91+9733279080	Old	250
2.	Jalpaiguri	Jalpaiguri (TI) Hriday	Ms.Tapasi Bose 91+9932141677	Old	250
3.	Uttar Dinajpur	DMSC Islampur/Panjipara	Mr. Apurba Sinha 91+9748406054	Old	250
4.	Murshidabad	SPMUS (TI) Baharampur	Mr.Tarun Pramanik 91+9732660853	Old	250
5.	Birbhum	EICS, Birbhum	Ms.Manata Adhikary 91+9475242732	New	250
6.	Burdwan	DMSC (TI) Durgapur	Suryanarayan Bhattacharga 91+9748406014	Old	250
7.	Burdwan	DISHA Janakalyan Kendra,Asansol	Ms.Nandita Sarkar 91+9474055194	New	250
8.	North 24 Pgs	SBMS (TI) Basirhat	Ms.Moumita Das 91+9433182205	Old	250
9.	Purba Midnapur	VES (TI) Haldia	Mr.Dipak Acharya 91+9474448516	Old	250
10.	Kolkata	SHIP (TI)	Mintu Muherjee 91+9748406028	Old	250
11.	South 24 Pgs	CWRC(TI) Diamond Harbour	Ms.Rita Das 91+9831532209	Old	250



1.4 IDU Sentinel Sites-2008

Sl. No	District	Name of Designated Site	Site In-charge and Contact no.	Type of Site	Samples
1.	Darjeeling	Indian Red Cross (TI) Darjeeling	Mr.Dewas Sharma 91+9832034919	Old	250
2.	Darjeeling	SCIR(TI) Jhankar More & Gurung Basti , Siliguri	Mr.Debashis Roy 91+9933063460	Old	250
3.	Murshidabad	SCIR(TI)Lalgola	Mr.Tauhidur Rahaman 91+9836846661	Old	250
4.	Kolkata	SCIR(TI)Park Circus Kolkata	Mr.Samir Saha 91+9239217261	Old	250

1.5 MSM Sentinel Sites-2008

Sl. No	District	Name of Designated Site	Site In-charge and Contact no.	Type of Site	Samples
1.	Darjeeling	Manas Bangla (TI) Siliguri	Mr.Saraj Barman 91+9434688142	Old	250
2.	Burdwan	Manas Bangla (TI) Burdwan	Md.Sadul Haque. 91+9332234865	New	250
3.	Hooghly	Manas Bangla (TI) Hooghly	Sk.Rafiqul Islam 91+9903772741	Old	250
4.	Kolkata	Manas Bangla (TI)	Mr.Dibyendu Mitra 91+9831391569	Old	250

1.6 Truckers Sentinel Sites-2008

Sl. No	District	Name of Designated Site	Site In-charge and Contact no.	Type of Site	Samples
1.	Jalpaiguri	G U P(TI) Jalpaiguri	Mr.Biplab Barma 91+9933185602	Old	250
2.	Dakshin Dinajpur	NMMS (TI) Hili	Mr. Parth Sarkar 91+9474443670	Old	250
3.	Burdwan	SSSS(TI) Burdwan	Ms.Arпита Ghosal 91+9434360277	Old	250
4.	Purba Midnapur	H V P(TI) Haldia	Mr.Saibal Maity 91+9434611864	Old	250
5.	Kolkata	BPWT (TI) KPT	Mr. Asok Sarder 91+9433353240	Old	250

1.7 ML Sentinel Site

Sl. No	District	Name of Designated Site	Site In-charge and Contact no.	Type of Site	Samples
1.	Kolkata	HDRI,Kolkata	Ms.Satyanarayan Das 91+9433930563	Old	250



Annexure 2: Testing Labs for ANC & STD Sites - 2008

Testing Laboratories for ANC and STD sites during HSS 2008-09 in West Bengal				
Sl No	Name of the Testing Laboratory/HSS Site	Type of site	Sample Load	
1	Department of Virology, School of Tropical Medicine, Kolkata			
	1	MR Bangur Dist. Hospital, South 24 Parganas	STD	250
	2	Hoogly Dist Hospital, Hoogly	STD	250
	3	Khanakul Rural Hospital, Hoogly	ANC	400
	4	Gangarampur SD Hospital, Dakhin Dinajpur	ANC	400
	5	Bardhaman Medical College & Hospital	STD	250
2	Dept. of Microbiology, NRS Medical College, Kolkata			
	1	Uluberia SD Hospital, Howrah	ANC	400
	2	Jangipur SD Hospital, Murshidabad	ANC	400
	3	Baharampur Dist Hospital, Murshidabad	STD	250
	4	Balurghat Dist Hospital, Dakhin Dinajpur	STD	250
	5	Bishnupur SD Hospital, Bankura	ANC	400
3	Dept. of Microbiology, National Medical College, Kolkata			
	1	Kaliaganj Rural Hospital, Uttar Dinajpur	ANC	400
	2	Baruipur SD Hospital, South 24 Parganas	ANC	400
	3	Bankura Sammelani Medical College, Bankura	STD	400
	4	Durgapur SD Hospital, Bardhaman	STD	250
	5	Raghunathpur SD Hospital, Purulia	ANC	400
4	Dept. of Microbiology, All India Institute of Hygiene & Public Health, Kolkata			
	1	Abinash Dutta Maternity Home, Kolkata	ANC	400
	2	Madhyamgram Rural Hospital, North 24 Parganas	ANC	400
	3	Krishna Nagar Dist Hospital, Nadia	STD	250
	4	Nabadwip SD Hospital, Nadia	ANC	400
	5	Calcutta Medical College Hospital, Kolkata	STD	250
5	Dept. of Microbiology, North Bengal Medical College Hospital, Siliguri			
	1	Mathabhanga SD Hospital, Coochbehar	ANC	400
	2	Siliguri Dist Hospital, Darjeeling	ANC	400
	3	Alipurduar SD Hospital, Jalpaiguri	ANC	400
	4	Kalimpong SD Hospital, Darjeeling	ANC	400
6	Dept. of Virology, National Institute of Cholera & Enteric Diseases, Kolkata			
	1	Manikchak Rural Hospital, Malda	ANC	400
	2	Medinipur Medical College & Hospital, Paschim Medinipur	ANC	400
	3	Suri Dist Hospital, Birbhum	ANC	400
	4	Vidyasagar State General Hospital, Kolkata	ANC	400
	5	Kharagpur SD Hospital, Paschim Medinipur	ANC	400
	6	Egra SD Hospital, Purba Medinipur	ANC	400
Total Samples			10650	
Testing Site for Dry Blood Spot samples from all HRG HSS sites was Department of Virology, School of Tropical Medicine, Kolkata				

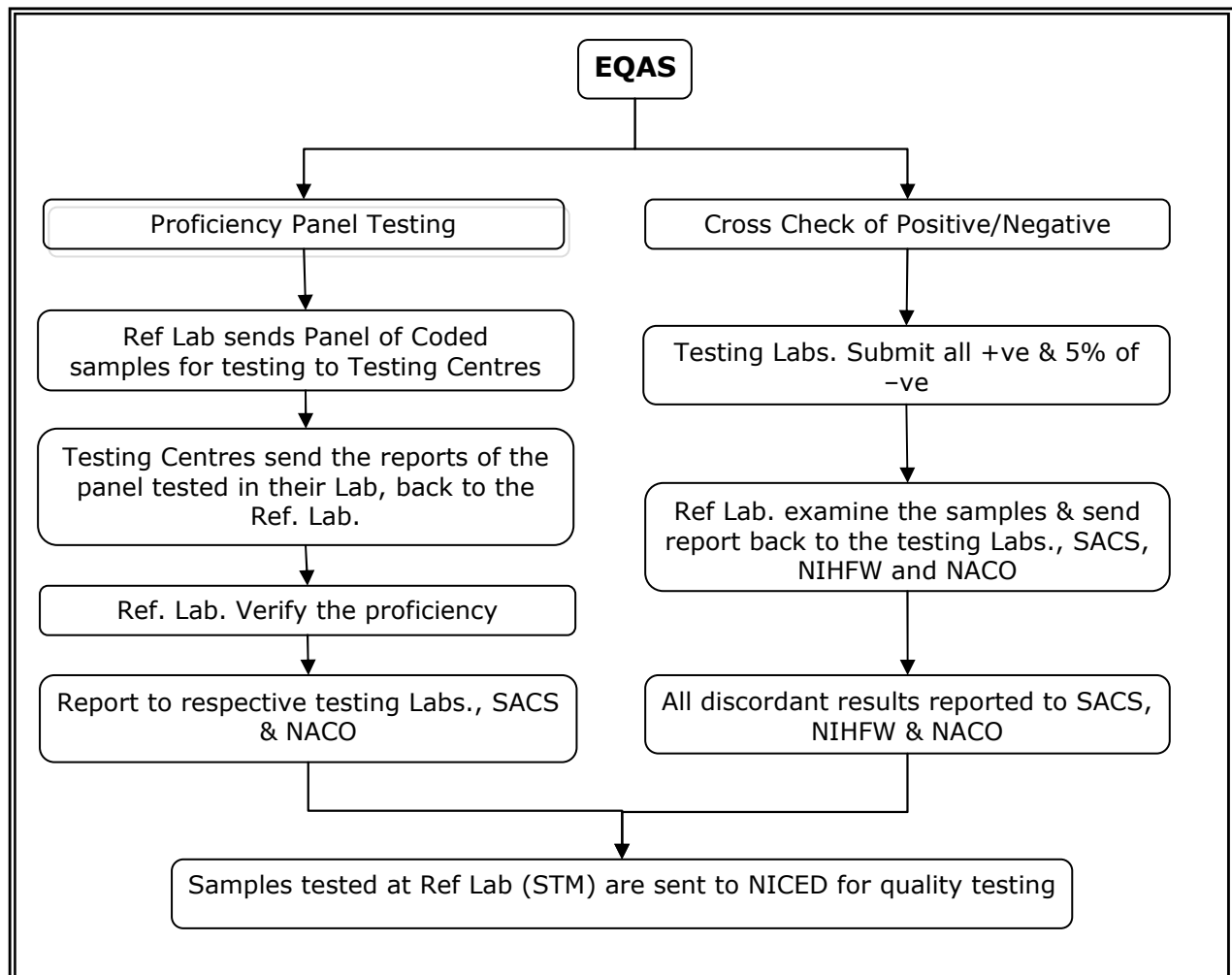


Annexure 3: Guidelines Overview - 2008

- Number of sentinel sites for surveillance in 2008, particularly in the vulnerable states increased so that the number of high-risk sites in the country could be covered to capture the diverse epidemic in the country
- The collection of samples would be based strictly on the inclusion criteria and sampling procedure defined as per NACO Protocols. Sample size for ANC was 400, FSW, Truckers, ML, IDU was 250 and sample size for STD patients would be included from two clinic sources - 100 samples being drawn from the corresponding OBG clinic of the hospital and 150 samples from the STD clinic.
- Adequate training of all staff involved in the Sentinel Surveillance activity, before the start of the round and follows up training during the survey at the site, site wise feedback meeting and post surveillance zonal review meeting would be held.
- Request Forms for STD, IDU, ANC, MSM, FSW, Migrant Labor and Truckers would be made available in time with proper coding in each Sentinel Sites especially for the new Sentinel Sites.
- Consumables such as syringes, needles, gloves, screw-capped tubes etc. would be centrally procured and be made available before the start of the Round.
- HIV testing kits of two different antigens would be made available before Round to the HIV testing laboratory.
- In House quality control for HIV testing to be ensured.
- Needle cutter and syringes shredder to be made available at each Sentinel sites
- Decontaminations and disposal of hazardous waste to be disposed properly and staff would be re-sensitized accordingly.
- Remuneration would be paid in time to all staff involved in Sentinel Survey.
- Same Blood sample will be tested for VDRL apart from HIV Testing (only ANC & STD sites).
- The amount of Blood sample to be collected from the subjects will be 5 ml.
- Sera would be separated in two portions. One part would be tested for the purpose for which blood is drawn (e.g. VDRL or RPR in STD and ANC samples) in the clinic site and the other part would be coded and tested for HIV and VDRL/RPR in HIV testing laboratory.
- The testing will be done in the designated HIV testing laboratories like previous round.
- The staff involved in the testing will be subjected to one day training on HIV and VDRL testing procedure, in their respective HIV testing laboratory.
- The external quality assurance for testing will be done on the same lines as done earlier i.e. all positive samples and 5% of negative samples will be sent to concerned reference laboratory i.e. STM, Virology, Kolkata & samples tested in STM, Virology would be sent to NICED for the quality testing.



External Quality Assurance Scheme (EQAS)





Annexure 4: EQA Report of Testing Laboratories

Sl No	Name of Testing Laboratory	External Quality Assurance concordance	Tested at
1	Dept of Virology, National Institute of Cholera & Enteric Diseases, Kolkata	100%	STM, Kolkata
2	Dept. of Microbiology, AIIH&PH, Kolkata	100%	STM, Kolkata
3	Dept of Microbiology, NRS MCH, Kolkata	100%	STM, Kolkata
4	Dept. of Microbiology, North Bengal MCH, Siliguri	100%	STM, Kolkata
5	Dept. of Microbiology, National MCH, Kolkata	95.91%*	STM, Kolkata
6	Dept. of Virology, STM, Kolkata	100%	NICED, Kolkata
	* <i>One sample tested positive by National Medical College, Kolkata was found negative during cross-checking by STM, Kolkata</i>		