

---

**“HIV/AIDS AWARENESS AMONG HOSPITAL EMPLOYEES”**

---

*S.S. Tibdewal\*, S.K. Wadhva\*, S.C. Gupta\*, S.D. Awtani\**

---

**ABSTRACT:**

**Research Problem:** What is the extent of knowledge and attitude of class III & IV hospital employees regarding HIV/AIDS ?.

**Objectives:**

- 1) To assess the basic knowledge and attitude of class III and class IV hospital employees regarding HIV/AIDS.
- 2) To elicit the need for systematic education of hospital employees in HIV/AIDS.

**Study Design:** Cross sectional study.

**Setting:** Government Medical College and Hospital, Nagpur.

**Participants:** Class III & IV employees.

**Sample Size:** 250 employees - 176 class III & 74 class IV employees.

**Study Variables:** Source of information, knowledge about causative agents, modes of transmission, prevention and treatment.

**Statistical Analysis:** By simple proportions.

**Result:** Of the 250 study subjects, 232 (92.8%) had heard or read about AIDS. Chief sources of information were television, newspapers and doctors. Though the study subjects had some factual knowledge about HIV/AIDS, there were certain misconceptions; and myths still persist. They were also found to have a biased and negative attitude towards people with AIDS. 223 (96.1%) study subjects said that they would like to learn more about HIV/AIDS.

**Conclusion and Recommendations:** The results of this study indicate that action is needed to increase the level of knowledge of hospital employees so that they reject biased information and myths relating to AIDS, and thus carry out their duties effectively and help in forming an enlightened opinion against AIDS.

**INTRODUCTION:**

Infection with HIV / AIDS is an urgent medical problem worldwide with broad social, cultural, economical, political, ethical and legal implications.<sup>1</sup>

Prevention, indisputably, is the most important objective. In the absence of a vaccine or an effective chemotherapeutic agent, the only weapon available for combating this dreadful infection is prevention by community awareness and health education.<sup>2</sup>

Health personnel have the dual responsibility of providing care and counselling to people with HIV/AIDS and educating individuals and the community about the facts regarding AIDS/HIV. They must take appropriate precautions to prevent the spread of infection in other patients and among themselves; act as a role model for their community by providing compassionate and respectful care; and educate individuals and groups about HIV/AIDS.<sup>2</sup>

Keeping this in mind, the present study was carried out among Class III and Class IV workers of Govt. Medical College & Hospital, Nagpur to assess their knowledge and attitude towards HIV/AIDS. These people form an important contact point with the masses and they are the ones who can best educate individuals and groups about the facts regarding HIV/AIDS. Their ignorance can act as an impediment in the care of AIDS patients which may pose a great problem in future. Also, these are the people who can build the right platform whereon doctors and experts on HIV can provide further knowledge.

**MATERIAL AND METHOD:**

The study, a cross sectional one, was carried out among Class III and Class IV employees working in Govt. Medical College and Hospital, Nagpur, to assess their knowledge and attitude towards HIV/AIDS. The sample size was 250, of which 176 (70.4%) were Class III and 74 (29.6%) were Class IV employees. The individuals were interviewed personally, using a predesigned questionnaire in Marathi. The questionnaire comprised of questions on different aspects of AIDS like aetiology, modes of transmission, preventive measures etc. According to the number of correct answers given, a scoring system was developed and the score obtained by each study subject was calculated.

---

\* *Government Medical College Hospital, Nagpur*

**OBSERVATIONS:**

**Source of Information:** Of the 250 study subjects, 18(7.2%) had never heard / read about AIDS and hence, were excluded from further analysis, leaving us with a total of 232.

The main source of information was television (78%) followed by newspapers (54.3%) and doctors (43.5%). Other sources of information were radio, friends and others in 38.8%, 20.7% and 17.2% of study subjects respectively.

**Knowledge of aetiological agent:** 57.3% of the study subjects knew about the viral aetiology of AIDS, 15.6% answered that it was caused by a germ while 11.5% said that the causative agent was bacteria. Contaminated food, water and air were implicated by 5.2%, 4.9% and 3.8% of study subjects respectively. 1.7% study subjects did not know about the aetiological agent at all. The level of general information of study subjects regarding AIDS is shown in Table I. While 74.6% responded that AIDS is fatal and 62.5% knew that there is no treatment available for AIDS, only 39.7% study subjects were aware that a seronegative person could be infectious.

**Knowledge of modes of transmission:** Though a majority of study subjects had a high level of knowledge regarding the usual modes of transmission of HIV, there were some respondents who believed that HIV could be transmitted through various kinds of casual contact or mosquito bite (Table II).

**Knowledge about preventive measures:** Study subjects had fairly good knowledge regarding preventive measures against AIDS. However, only 45.3% were aware about the non availability of a vaccine against AIDS (Table III)

In all, there were 20 questions on knowledge regarding AIDS, and scoring was done by allotting one mark for each correct answer. Class III employees scored considerably better than Class IV employees, as is apparent from Table IV.

**Attitudes towards AIDS patients:** The responses of study subjects to attitudes towards AIDS and AIDS patients, are listed in Table V, which reflect a general prejudice against AIDS victims. 223 (96.1%) study subjects said that they wanted to learn more about AIDS.

**DISCUSSION:**

The key position of health care workers in the education of patients and the community at large and the great influence this group has on public opinion necessitates that they have an optimal knowledge and sound attitudes towards AIDS based on appropriate facts.<sup>3</sup>

From the results of our study, it is clear that despite the increasing mass media focus on AIDS, many study subjects were misinformed or confused regarding various aspects of HIV/AIDS. Also, negative attitudes and biases towards AIDS patients persist. Future educational activities should address these deficits in knowledge explicitly.

Although, the risk of infection following occupational exposure is low, employee fear is considerable.<sup>4,5</sup> The fact that there is no cure and no vaccine against AIDS has caused great apprehension and fear amongst the hospital employees.<sup>7</sup> Confidence has to be created amongst them that by taking adequate measures to prevent and control infection, HIV/AIDS can automatically be prevented.

Repetitive information aimed at health personnel is still needed, the ultimate goal for such campaigns being behavioural change and the adoption of the safest possible techniques.

It is important that health care professionals dispel the fears and misconceptions currently prevailing with regard to HIV infection and AIDS. It is only thus, that they can fully discharge their duties not only with respect to HIV infected persons and persons with AIDS, but to the society as a whole.<sup>6</sup>

The results of this study may be of utility in formulating effective in - service training and other education programmes to increase knowledge regarding AIDS and to correct specific areas of misinformation for Class III and IV hospital employees.

*THE TIME TO ACT IS NOW  
THE PLACE TO ACT IS OUR  
WORK PLACE - HOSPITAL.*

TABLE - I

GENERAL INFORMATION ON AIDS

Information	Yes	No	Dnk#
* AIDS is fatal	173 (74.6)	47 (20.2)	12 (5.2)
* Availability of treatment	41 (17.7)	145 (62.5)	46 (19.8)
* HIV is more infectious than Hepatitis B virus	158 (68.0)	54 (23.3)	20 (8.6)
* A person with AIDS can get other diseases due to AIDS	141 (60.8)	32 (13.8)	59 (25.4)
* Persons can be infected with HIV without knowing	105 (45.2)	83 (35.8)	44 (19.0)
* A seronegative person can be infectious	92 (39.7)	101 (43.5)	39 (16.8)

# Did not know

(Figures in parenthesis indicate percentage)

TABLE - II

KNOWLEDGE REGARDING MODES OF TRANSMISSION

Modes of Trnsmission	Yes	No	Dnk#
Unprotected sex	215 (92.7)	7 (3.0)	10 (4.3)
Blood & blood products	208 (89.7)	7 (3.0)	17 (7.3)
From pregnant mother to her unborn child	199 (85.8)	19 (8.2)	14 (6.0)
Infected syringes & needles	168 (72.4)	44 (19.0)	20 (8.6)
Hand shaking/hugging	64 (27.6)	143 (61.6)	25 (10.8)
Sharing utensils	76 (32.8)	136 (58.6)	20 (8.6)
Sharing toothbrushes/razors	98 (42.2)	101 (43.6)	33 (14.2)
Mosquito bite	87 (37.5)	122 (52.6)	23 (9.9)
Social Kissing	104 (44.8)	63 (27.2)	85 (28.0)

# Did not know

(Figures in parenthesis indicate percentage)

TABLE - III

KNOWLEDGE REGARDING PREVENTIVE MEASURES

Preventive measures	Yes	No	Dnk#
Use of condoms	168 (72.4)	28 (12.1)	36 (15.5)
Availability of vaccine	86 (37.1)	105 (45.3)	41 (17.6)
Use of gloves	159 (68.5)	29 (12.5)	44 (19.0)
Use of disposable needles and syringes	143 (61.6)	32 (13.8)	57 (24.6)
Single faithful partner	127 (54.7)	60 (25.9)	45 (19.4)

# Did not know

(Figures in parenthesis indicate percentage)

TABLE - IV

SCORING PATTERN OF STUDY SUBJECTS

Class	Scores		
	0 - 7	7 - 15	15 - 20
Class III	3 (1.7)	42 (23.9)	131 (74.4)
Class IV	22 (29.7)	40 (54.1)	12 (16.2)

( Figures in parenthesis indicate percentage.)

TABLE - V

ATTITUDE OF STUDY SUBJECTS TOWARDS AIDS AND PATIENTS WITH AIDS

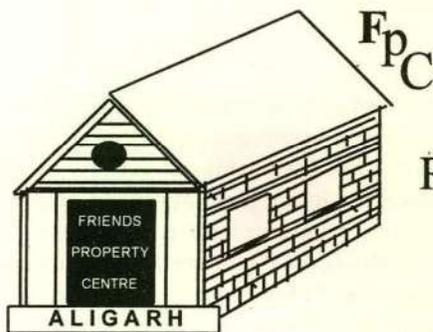
Attitude	Yes	No	
			comment
Major public health problem	190 (81.9)	25 (10.8)	17 (7.3)
Every hospital patient should be tested for AIDS on admission	145 (62.5)	57 (24.6)	30 (12.9)
Lunch / dinner with patient with HIV / AIDS acceptable	124 (53.4)	92 (39.7)	16 (6.91)
Strict isolation of AIDS patients.	131 (56.5)	85 (36.6)	16 (6.9)
Would be able to touch and care for someone with AIDS	102 (44.0)	45 (19.4)	85 (36.6)
Desire further knowledge	223 (96.1)	6 (2.6)	3 (1.3)

( Figures in parenthesis indicate percentage)

**REFERENCES:**

1. World Health Organization - Guidelines on AIDS and first aid in the workplace, Published by the World Health Organization in collaboration with the International Labour Office and the league of Red Cross and Red Crescent Societies, 1990 WHO, Geneva, AIDS series - 7.
2. World Health Organization, AIDS in South East Asia - No time for complacency, 1993, WHO, Geneva.
3. Brattebo, G., Wisborg T. and Sjursen H., Health workers and the human immunodeficiency virus: Knowledge, ignorance and behaviour, Public Health, 1990, 104(2), 123 - 130.
4. Gellert, G.A., Maxwell, R.M., Higgins, K.V., Barnard, R, Page B, AIDS knowledge, occupational precautions and public education activities among law enforcement officers and first responders, Jr. of Public Health Policy, 1994, Vol. 15: 460 - 469.
5. Marcus R., CDC, Cooperative Needle - stick Surveillance Group: surveillance of health care workers exposed to blood from patients infected with human immunodeficiency virus. New Eng. Jr. of Med. 1988, 319: 1118 - 1123.
6. Dispel fears and misconceptions about HIV/AIDS - Excerpts from the speech delivered by Shri. P.V. Narsimha Rao, Former Prime Minister of India, at the inauguration of the International Conference on "AIDS - law and humanity" held in New Delhi in Dec. 95, Swasth Hind, 1995; 39 (10 - 12): 176 - 1778.
7. National AIDS Control Organization, Training modules on prevention of transmission of HIV in hospitals - Prevention and control of HIV and AIDS, 1994, Government of India, Ministry of Health and Family Welfare.

*Our Goal to Provide Better & Cheap Shelter*



**Introduces**

**BOOKING OPEN**

Residential Plots for Sale in:

**SHAHSHARAFATENCLAVE**

DHORRA - BY PASS, ALIGARH

**SHAHBASHEERCOLONY**

DHORRA, ALIGARH

**Facilities**

**Developed Roads with Electric Poles, Mosque, Park,  
Shopping Complex, School, Etc:-**

*Please Contact:*

**FRIENDS**

**PROPERTY CENTRE**

Mobile Ph. No. 98360 - 22303  
Dodhpur Chauraha, Civil Lines, Aligarh