

## Factors Associated with HIV Testing and Counselling Services among Women and Men in Nepal: A Cross-sectional Study Using Data from a Nationally Representative Survey

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**Supplementary Table 1: List of variables and their operational definitions**

Independent Variables	Definitions	Categories
Age (years)	Completed age of the women and men at the time of data collection	1) 15-19 2) 20-24 3) 25-29 4) 30-39 5) 40-49
Ethnicity	Ethnic categories are that an individual's falls in the Nepalese context	1) Hill Brahamin/Chettri 2) Terai Caste 3) Janajatis 4) Dalit/Muslims/Others
Education	Level of education classified as per the years of schooling/grades	1) No education 2) Primary (basic education with incomplete secondary education) 3) Secondary education (completed secondary education) 4) Higher education (higher than secondary)
Place of residence	Residence areas of respondents	1) Urban 2) Rural

Province	Administrative unit.	<ol style="list-style-type: none"> <li>1) Province no. 1</li> <li>2) Province no. 2</li> <li>3) Bagmati Province</li> <li>4) Gandaki Province</li> <li>5) Province 5</li> <li>6) Karnali Province</li> <li>7) Sudhuraschim Province</li> </ol>
Wealth quintile	Composite measure of a household's cumulative living standard, calculated using easy-to-collect data on a household's ownership of selected assets, such as televisions and bicycles; materials used for housing construction; and types of water access and sanitation facilities. The wealth index score of each item is divided into quintile.	<ol style="list-style-type: none"> <li>1) Poorest</li> <li>2) Poorer</li> <li>3) Middle</li> <li>4) Richer</li> <li>5) Richest</li> </ol>
Marital status	Current marital status of the respondents (women and men).	<ol style="list-style-type: none"> <li>1) Never married</li> <li>2) Married/living together</li> <li>3) Divorced/separated/widowed</li> </ol>
Occupation	Women and men employed in the 12 months preceding the survey by occupation.	<ol style="list-style-type: none"> <li>1) Didn't work</li> <li>2) Agricultural</li> <li>3) Professional/clerical</li> <li>4) Manual labor</li> </ol>
Comprehensive knowledge on HIV	Comprehensive knowledge means knowing that consistent use of condoms during sexual intercourse and having just one uninfected faithful partner can reduce the chance of getting HIV, knowing that a healthy-looking person can have HIV, and rejecting the two most common local misconceptions about transmission or prevention of HIV.	<ol style="list-style-type: none"> <li>1) No</li> <li>2) Yes</li> </ol>
HIV discriminatory behaviour	HIV discriminatory behavior was asked among the respondents who have heard of HIV or AIDS and discriminatory attitude means those who do not think that children living with HIV should be able to attend	<ol style="list-style-type: none"> <li>1) No</li> <li>2) Yes</li> </ol>

	school with children who are HIV negative or would not buy fresh vegetables from a shopkeeper who has HIV.	
Media exposure	Media exposure means reading a newspaper, watching television and listening to the radio.	1) Not at all 2) At Least once a week 3) Less than once a week
Recent sexual activity	Women and men had sexual intercourse with a person that is not their spouse and does not live with them in the past 12 months.	1) No 2) Yes
Ever paid for sex	Those who ever paid anyone in exchange for having sexual intercourse.	1) No 2) Yes
Knowledge for treatment for HIV	Knowledge for treatment for HIV was asked among the respondents who have heard of HIV or AIDS. This is the knowledge regarding the availability of HIV treatment.	1) No 2) Yes
Age at first sexual intercourse (years)	Age of woman or man in completed years when they had first sex.	1) <15 2) 15-19 3) 20-24 4) 25 and above
Number of lifetime sexual partners	Women and men aged 15-49, who had two or more sexual partners in their lifetime.	1) 1 2) 2+
Ever experienced sexual violence	Sexual violence is defined as those women who have experienced any sexual violence (committed by a husband or anyone else) ever before the survey. Sexual violence questions were asked to the women age 15-49 from the selected households and who were chosen for administering domestic violence module.	1) Not experienced 2) Experienced
Received all 4 ANC	Women received ANC at 4, 6, 8, and 9 months and it is based on the number of women with ANC for	1) Not received 2) Received

	their most recent birth 5 years preceding the survey.	
Women's partners' education	Level of education of women's husband classified as per the years of schooling/grades.	1) No education 2) Primary (basic education with incomplete secondary education) 3) Secondary education (completed secondary education) 4) Higher education (higher than secondary)
Place of recent delivery	Women who had delivered in the 5 years preceding the survey.	1) Elsewhere 2) Health facility

**Supplementary table 2: Unadjusted and Adjusted Odds Ratio (OR) of HIV testing among women and men**

Characteristics	Women		Men	
	Unadjusted OR (95% CI)	Adjusted OR (95% CI)	Unadjusted OR (95% CI)	Adjusted OR (95% CI)
Age				
15-19	ref.	ref.	ref.	ref.
20-24	4.0*** (3.1-5.2)	1.4 (0.6 - 3.2)	4.5***(3.0-6.7)	3.9*** (2.1 - 7.2)
25-29	5.6***(4.3-7.3)	1.7 (0.8 - 3.6)	8.2***(5.1-13.2)	6.4*** (3.3 - 12.1)
30-39	3.2*** (2.5-4.2)	1.9 (0.8 - 4.5)	7.6*** (5.1-11.3)	5.5*** (3.0 - 10.2)
40-49	1.4 (0.9-1.9)	0.2 (0.01 - 1.9)	4.2*** (2.6-6.6)	3.0*** (1.6 - 5.7)
Ethnicity				
Hill Brahmin/Chhetri	ref.	ref.	ref.	ref.
Terai caste	0.2*** (0.2-0.3)	0.6 (0.3 - 1.2)	1.3(0.9-1.8)	0.7 (0.4 - 1.1)
Janajatis	0.6*** (0.5-0.8)	1.1 (0.7 - 1.8)	0.9(0.7-1.1)	0.9 (0.7 - 1.2)
Dalit/Muslim/Other	0.4*** (0.3-0.6)	1.4 (0.8 - 2.4)	1.0(0.7-1.5)	1.0 (0.6 - 1.6)
Education				
No education	ref.	ref.	ref.	ref.
Primary	1.8*** (1.4-2.3)	0.8 (0.4 - 1.6)	1.5 (0.9-2.3)	1.5 (0.9 - 2.3)
Secondary	2.3*** (1.9-2.9)	1.4 (0.7 - 2.6)	1.9** (1.2-2.8)	2.3*** (1.4 - 3.6)
Higher	5.6*** (4.4-7.0)	2.1 (0.9 - 4.2)	1.9** (1.2-2.9)	1.7* (1.0 - 2.8)
Place of residence				
Urban	ref.	ref.	ref.	ref.
Rural	0.6** (0.5-0.8)	1.1 (0.8 - 1.7)	0.9 (0.7-1.3)	1.1 (0.8 - 1.5)
Province				
Province no 1	ref.	ref.	ref.	ref.
Province no 2	0.3(0.2-0.4)	0.8 (0.3 - 1.8)	2.6*** (1.7-4.1)	3.5*** (2.0 - 6.2)

Characteristics	Women		Men	
	Unadjusted OR (95% CI)	Adjusted OR (95% CI)	Unadjusted OR (95% CI)	Adjusted OR (95% CI)
Bagmati	1.5* (1.0-2.2)	2.0* (1.1 - 3.8)	1.3(0.9-2.0)	1.2 (0.8 - 1.8)
Gandaki	1.4(0.9-2.0)	1.4 (0.8 - 2.8)	1.5(0.9-2.4)	1.5 (0.9 - 2.4)
Lumbini	1.7*(1.1-2.6)	2.3* (1.1 - 4.8)	1.5(0.9-2.4)	1.5 (0.9 - 2.5)
Karnali	0.9 (0.6-1.4)	1.9 (0.9 - 4.0)	0.9(0.6-1.6)	1.1 (0.6 - 1.8)
Sudurpaschim	2.4*** (1.6-3.6)	3.3** (1.5 - 7.0)	1.7*(1.1-2.7)	1.6* (1.0 - 2.4)
Wealth quintile				
Poorest	ref.	ref.	ref.	ref.
Poorer	1.0 (0.7-1.3)	1.0 (0.6 - 1.7)	0.9 (0.7-1.3)	0.9 (0.6 - 1.3)
Middle	0.9 (0.7-1.3)	1.0 (0.5 - 1.9)	1.7** (1.2-2.5)	1.3 (0.9 - 2.0)
Richer	1.2 (0.9-1.7)	0.9 (0.5 - 1.6)	2.0*** (1.4-2.9)	1.6* (1.1 - 2.4)
Richest	2.5*** (1.8-3.4)	1.5 (0.7 - 3.1)	1.9*** (1.3-2.8)	1.7* (1.1 - 2.6)
Occupation				
Did not work	ref.	ref.	ref.	ref.
Agricultural	0.8*(0.6-0.9)	0.7 (0.4 - 1.1)	1.6*(1.1-2.4)	0.8 (0.4 - 1.3)
Professional/clerical	2.4*** (1.9-3.1)	1.2 (0.6 - 2.3)	2.2*** (1.5-3.4)	0.7 (0.4 - 1.2)
Manual labor	1.4** (1.1-1.7)	0.6 (0.3 - 1.1)	2.2*** (1.6-3.2)	0.7 (0.4 - 1.2)
Comprehensive knowledge on HIV				
No	ref.	ref.	ref.	ref.
Yes	2.6*** (2.2-2.9)	1.0 (0.7 - 1.5)	1.5*** (1.2-1.8)	1.4* (1.1 - 1.8)
HIV discriminatory behavior				
No	ref.	ref.	ref.	ref.
Yes	0.5*** (0.4-0.6)	0.7 (0.5 - 1.0)	0.9 (0.8-1.1)	1.2 (0.9 - 1.6)
Any media exposure				
Not at all	ref.	ref.	ref.	ref.
At least once a week	3.1*** (2.3-4.1)	2.8** (1.4 - 5.3)	2.4*** (1.5-3.9)	1.7* (1.0 - 3.1)
Less than once a week	3.3*** (2.5-4.3)	1.4 (0.7 - 2.6)	1.9** (1.2-3.0)	1.3 (0.8 - 2.3)
Recent risky sexual activity				
No	-	-	ref.	ref.
Yes	-	-	1.1 (0.7-1.6)	0.8 (0.5 - 1.2)
Ever paid for sex				
No	-	-	ref.	ref.
Yes	-	-	3.3*** (2.1-5.2)	2.1** (1.3 - 3.4)
Knowledge for treatment for HIV				
No	ref.	ref.	ref.	ref.
Yes	1.1(0.9-1.3)	1.1 (0.8 - 1.6)	1.2 (0.9-1.4)	1.2 (0.9 - 1.5)
Age at first sexual intercourse				
>15 years	ref.	ref.	ref.	ref.

Characteristics	Women		Men	
	Unadjusted OR (95% CI)	Adjusted OR (95% CI)	Unadjusted OR (95% CI)	Adjusted OR (95% CI)
15-19 years	1.4** (1.1-1.8)	1.2 (0.6 - 2.3)	1.2 (0.8-1.9)	1.3 (0.8 - 2.1)
20-24 years	2.7*** (2.1-3.5)	0.7 (0.3 - 1.5)	1.3 (0.8-2.0)	1.1 (0.7 - 2.0)
25 and above years	3.3*** (2.2-4.9)	1.3 (0.5 - 3.5)	1.5 (0.8-2.6)	1.6 (0.9 - 2.8)
Number of lifetime sexual partners				
1	ref.	ref.	ref.	ref.
2+	0.9 (0.6-1.5)	0.9 (0.2 - 3.0)	1.5** (1.2-1.8)	1.6*** (1.2 - 2.0)
Ever experienced sexual violence				
Not experienced	ref.	ref.	-	-
Experienced	0.8 (0.6-1.2)	1.8 (0.9 - 3.3)	-	-
Received all 4 ANC				
Not received	ref.	ref.	-	-
Received	3.1*** (2.4-3.9)	1.2 (0.8 - 1.8)	-	-
Partner's education level				
No education	ref.	ref.	-	-
Primary	1.9*** (1.4-2.7)	1.6 (0.6 - 3.7)	-	-
Secondary	3.7*** (2.8-5.0)	1.8 (0.7 - 4.5)	-	-
Higher	7.9*** (5.8-10.8)	2.0 (0.8 - 5.4)	-	-
Place of recent delivery				
Elsewhere	ref.	ref.	-	-
Health facility	5.7*** (4.9-6.5)	3.9*** (2.4 - 6.3)		

\*\*\* p<0.001, \*\* p<0.01, \* p<0.05 (t-statistic)