

## Questionnaire

**Study Title: Knowledge of Hand Hygiene and Prevention Practice of Health Care-Associated Infections among Health Care Workers in Dhaka City**

QID #	Questions/Variables			
Vdate	Visit Date			
ResID	Respondent ID			
ResName	Name of the respondent			
Phone	Please tell your Phone number? [If phone number not available please record 9999999999]			
Hos-Name	Hospital Name			
QID	Socio- demographic characteristics	Category of Response	Response	Skip
Q01	Gender	1. Female 2. Male 3. Other		
Q02	Age of the respondents			
Q03	What is the highest class you completed?	1. Diploma 2. MBBS 3. BSc 4. HSC 5. SSC 6. Below SSC		
Q04	What is your main profession?	1. Nurse 2. Medical Doctors 3. Nurse Students 4. Therapist 5. Ward Assistant 6. Technician		

Sl.	Prevention Practice among respondents	Category of Response	Response	Skip
Q05	Did you ever receive formal training on hand hygiene?	1. Yes 2. No		
Q06	Do you routinely use an alcohol-based hand rub for hand hygiene?	1. Yes 2. No		
Q07	How much priority should be given to hand hygiene for all patients' safety issues	1. Minimal priority 2. Medium Priority 3. High priority		

Q08	Do you need to remember your personal hand hygiene?	1. Does Hand hygiene automatically 2. Need to Remember 3. Don't know properly		
Q09	What are the barriers that interfere with optimal Hand Hygiene?	1. Out-of-hand hygiene product 2. Too busy with work 3. Forgetting to do hand hygiene 4. Unsure of need 5. Not-current barriers 6. Not Convenient		
Q10	What kind of ingredients do you use for hand hygiene?	1. Soap (bar) 2. Liquid (soap) 3. Alcohol-based hand rub 4. Liquid soap + Alcohol-based hand rub 5. Soap+ Alcohol-based hand rub		
Q11	Is the use of alcohol-based hand rubs well tolerated by your hands?	1. No 2. Mild tolerable 3. Highly tolerable		
Q12	Do you consider that the administration in your institution is supporting hand hygiene improvement?	1. No 2. Yes 3. Sometimes		

Q13.	Participants Knowledge Level (Put $\checkmark$ mark on the response)	Yes	No.
i.	In general, is there any impact of a healthcare-associated infection on a patient?		
ii.	Does hand hygiene prevent healthcare-associated infection effectively?		
iii.	Is it vital for you to maintain good hand hygiene once you've touched your coworkers?		
iv.	Is it vital for you to maintain good hand hygiene once you've touched your patients?		
v.	Do you think that the hands are the main route of cross-transmission of potentially harmful germs between patients in a healthcare facility?		
vi.	Do you think hand rubbing is more rapid for hand cleansing than hand Washing?		
vii.	Do you think hand rubbing causes skin dryness more than hand washing?		
viii.	Do you think hand rubbing is more effective against germs than hand washing?		
ix	Do you think hand washing and hand rubbing should be performed in sequence as recommended?		

Observation Checklist of hand hygiene. (Put  $\sqrt{\quad}$  mark on the response)

Sl.	Time of hand hyenine observations	Observation frequency									
		1	*	2	*	3	*	4	*	5	*
<u>i.</u>	Before clean and aseptic procedures										
<u>ii.</u>	After contact with body fluids										
<u>iii.</u>	After removing gloves										
<u>iv.</u>	Before patient contact										
<u>v.</u>	After patient contact										
<u>vi.</u>	Before patient equipment contact										
<u>vii.</u>	After patient equipment contact										
<u>viii.</u>	Gloves are used whenever potential for hand contact with body fluids										

- Put  $\sqrt{\quad}$  mark if participants follow proper hand hygiene procedure.

**Table 1: Socio-demographic characteristics of respondents**

Variables		Frequency (N=185)	Percent (%)
Gender	Male	49	26.5
	Female	136	73.5
Age	<= 30 years	147	79.5
	>=31 Years	38	20.5
Education	MBBS	30	16.2
	Graduate	10	5.4
	Higher Secondary/ Diploma	117	63.2
	Secondary	19	10.3
	Below Secondary	9	4.9
Occupation	Nurse	105	56.8
	Doctor	30	16.2
	Student Nurse	7	3.8
	Therapist	7	3.8
	Ward Assistant	29	15.7
	Medical Technologist	7	3.8

**Table 2: Prevention practice of healthcare-associated infection (HCAI) of health-care workers**

Questions	Frequency N=185	Percent (%)
Did you ever receive formal training on hand hygiene?		
Yes	110	59.5
No	75	40.5
Do you routinely use an alcohol-based hand rub for hand hygiene?		
Yes	138	75
No	46	25
Priority should be given to hand hygiene for all patients' safety issues		
Minimal priority should be given	13	7
Medium priority should be given	90	48.7
High priority should be given	82	44.3
Do you need to remember your personal hand hygiene?		
Do Hand hygiene automatically	155	83.8
Need to Remember	26	14.1
Don't know properly	4	2.1
What are the barriers that interfere with optimal Hand Hygiene?		
Out-of-hand hygiene product	12	6.5
Too busy with work	45	24.3
Forget to do hand hygiene	37	20
Unsure of need	16	8.7
Not-current barriers	8	4.3
Not Convenient	67	36.2
What kind of ingredients do you use for hand hygiene?		
Soap (bar)	25	13.5

Liquid (soap)	113	61.1
Alcohol-based hand rub	30	16.2
Liquid soap + Alcohol-based hand rub	14	7.6
Soap+ Alcohol-based hand rub	3	1.6
Is the use of alcohol-based hand rubs well tolerated by your hands?		
No	38	20.5
Mild tolerable	40	21.6
Highly tolerable	107	57.8
Do you consider that the administration in your institution is supporting hand hygiene improvement?		
No	9	4.9
Yes	133	71.9
Sometimes	43	23.2

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