IMPLEMENTATION OF INFECTION CONTROL IN HEALTH FACILITIES IN ARUA

DISTRICT, UGANDA: A CROSS-SECTIONAL STUDY

QUESTIONNAIRE

			•	
Persona				
		Age		
-	2.	Sex	Male	
			Female	[]
		Marital St	atus	
]	Ma	rried		
		ıgle		
	Wi	dowed		
]	Div	vorced		
4	4.	Qualifica	tion (grade)	
		Nursir	ng assistant	[]
		Enroll	ed nurse	[]
		Regist	tered nurse	[]
		Enroll	ed midwife	[]
		Regist	tered midwife	[]
		Clinic	al officer	[]
		Medic	al officer	[]
		Labora	atory assistant	[]
			•	
4	5.		evel of education	
		Prima		
			ary level	
			nced level	
		Tertia		
	6.		•	u spent in the medical service?
			j j j -	F
Kno	w	ledge on Iı	nfection Control	n
				ne term <i>infection control</i> ? Y/ N
5		•		understand by the term <i>infection control</i> ?
	••	() Ilde	uo jou	
		•••••		
	9.	Have you	ever heard of i	nfection control guidelines? Y/ N
				neasures do you know or have heard about? (<i>tick all that</i>
	10.	apply)		neusures do you know of nave neura doode. (new an mar
		·	washing	[]
			nal Protective W	
		1 01301		

Sofe Injection and Sharma Use []
Safe Injection and Sharps Use[]Safe Medical Waste Disposal[]
Safe Medical Waste Disposal [] Isolation []
Housekeeping []
Others (Specify)
11. Of what importance is infection control in the delivery of health services?
12 Who should be reasonable for anywing that propaging action control prostings are
12. Who should be responsible for ensuring that proper infection control practices are
observed? (<i>tick all that apply</i>) Patients []
Patient visitors []
Medical workers []
Administration []
Other
13. Have you or any staff acquired infections you think were transmitted by
patients attending this facility? Y / N / /Don't Know
14. Have you ever heard of injection/sharps safety? Y/ N
15. If yes, what does it mean?
16. How should used needles be best disposed of? (<i>Tick all that apply</i>)
Burn []
Bury []
Incinerate []
Damp in pit latrine []
Damp on skip []
17. What common infections do you think can be transmitted through unsafe
needle/sharps handling (Tick all that apply)
HIV []
Hep B []
Hep C []
others
18. When is it appropriate for a healthcare worker to wash their hands? (tick all that
apply)
Before attending to each patient []
After attending to each patient []
Before and after attending to each patient []
Before any surgical/medical procedure []
After contact with dirty surfaces []
After contact with body fluids []
Others
19. Do you know of any other methods of ensuring adequate hand hygiene besides using
soap and water? Y/ N
20. If yes, which are these?
Hand rubs (alcohol, antiseptic) []
Other

21. During what procedures	must a h	ealthcare wor	ker wea	r gloves?	(Tick all that a	pply)
Wound dressing				[]		
Blood transfusion				[]		
Surgical operations				[]		
Giving injections				[]		
Obtaining specimen				[]		
Others						
22. Mention at least 3 diseas	-	-	nandator	ry isolatic	on.	
a						
b	• • • • • • • • • • • • •	•••••				
C						
Practice on Infection Cont			. 1		O TANT (TO	• ()
23. Does this unit/section ha	ave a cop	y of infection	control	guideline	es? Y/ N (If yes	, verify)
24. If no, why?						
25. Have you ever read it? Y						
26. How often do you follow		delines?				
Occasionally	[]					
Often						
Always	[]					
Never	[]					
27. If not always,	what	prevents	you	from	following	them?
		•••••	•••••		•••••	
	• • • • • • • • • • • •	•••••			•••••	• • • • • • • • • •
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28. What infection control m	neasures			tice? (tick	k all that apply	 v)
28. What infection control m Hand washing				tice? (tick	k all that apply	,,)
28. What infection control m Hand washing Gloves	neasures			tice? (tic	k all that apply	,, ,)
28. What infection control m Hand washing Gloves Gown wearing	neasures []			tice? (tici	k all that apply	, ,)
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 28. What infection control means and washing Gloves Gown wearing Disinfection Sterilisation Housekeeping Waste Disposal Injection Safety Isolation Other	neasures [] [] [] [] [] [] [] training c	do you routir on infection c	ely prac			

31. How often do you wash your hands when dealing with patients?

Always []
Often []
Occasionally []
Never []
32. How often do you use soap when washing your hands?
Always []
Often []
Occasionally []
Never []
33. How often do you wear protective gear?
Always []
Often []
Occasionally []
Never []
34. Which protective gear do you usually put on?
Gloves []
Masks []
Gowns []
Aprons []
Goggles []
Boots []
Others
35. How often is this section/ward cleaned?
Everyday []
Every 2 Days []
Once a Week []
Twice a week[]Other (write actual number of days)
36. What disinfectants do you commonly use to disinfect equipment? (<i>Tick all that apply</i>)
Cetrimide [] Povidone iodine []
Sodium-calcium hypochlorite []
Ethyl alcohol []
Others
37. What do you use for sterilising surgical equipment?
Autoclave []
Boiler []
38. Do you have separate bins for sharps and infectious medical waste? Y/ N
(If yes, verify)
39. Do you recap needles after use? Y/ N
40. Do you have an isolation unit in this facility? Y/ N (<i>if yes, verify</i>)

Attitude

- **41.** Do you think it is necessary to observe infection control practices in all circumstances when handling patients? Y/ N
- **42.** In your opinion, do you think it is practical to observe all the recommended infection control practices as stated in the guidelines? Y/ N
- **43.** If no, why? ------
- **44.** In your opinion, what is the most important infection control practice that needs to be observed? (*tick only one*)

Hand washing	[]
Personal Protective Wear	[]
Safe Injection and Sharps Use	[]
Safe Medical Waste Disposal	[]
Isolation	[]
Disinfection	[]
Sterilisation	[]
Housekeeping	[]
Others (Specify	

- **45.** Are there any infection control measures you find particularly difficult to observe? Y/ N
- **46.** If yes, what practices are these? (*tick all that apply*)

		11 27
Hand washing	[]	
PPE	[]	
Disinfection	[]	
Sterilisation	[]	
Housekeeping	[]	
Isolation	[]	
Other		
Why is this as?		(tick all

- **47.** Why is this so?....(*tick all the apply*)
- **48.** What diseases you particularly concerned of being at a high risk of acquiring from the patients you are attending to?

HIV[]Hep B[]Hep C[]TB[]Pneumonia[]Skin infections[]others.....

49. What advice would you give to all those responsible on how to improve infection control in this health facility? ------

KEY INFORMANT GUIDE

Date.....
Name and level of health facility.....
Personal details
Name of key informant.....
Age......
F
[]
Position of responsibility.....

Level of training (qualification).....

- 1. How would you describe the infection control situation in this health unit and do you think it is adequate?
- **2.** What mechanisms do you have in place to ensure that infection control measures are implemented in this health unit?
- **3.** How is this facility able to monitor hospital-acquired infections? (ask about post-operative surgical infections and injection abscesses)
- 4. Could you explain the mechanisms you have in place to monitor the use of antibiotics?
- **5.** How often do you get personnel from the HSD or District Health Office to monitor or supervise infection control activities? (Ask when the last supervision was held, the method and promptness of feedback)
- **6.** What structures does this facility have to educate patients, their visitors or staff about infection control?
- 7. What stock-outs of supplies and equipment needed for infection control do you normally experience? (probe which supplies are most commonly out of stock, how often this occurs and how long these stock-outs last)
- **8.** How do the current staffing levels of this health facility compare with the Ministry of Health requirements?
- **9.** What advice would you give to the higher authorities on how to improve infection control in this health facility?

INFECTION PREVENTION AND CONTROL SUPPLIES CHECKLIST

A. Hand Hygiene	Available	Not available
in fiund flygione	(tick and add comment where	(tick and add comment where
	indicated in specified section)	indicated in specified section)
Soap at washing points	· · · · · · · · · · · · · · · · · · ·	
Tap/ vessel for pouring water		
(tank, borehole or protected		
spring)		
NB. Confirm if water is		
flowing from source		
Alcohol-based hand solutions		
Antiseptics e.g. dettol		
B. Personal Protective		
Equipment		
Disposable gloves		
Protective eye wear		
Face masks		
Lab coats/gowns/ aprons		
C. Injection Safety/		
Sharps Management		
Single-use injections		
Sharps disposal containers		
(Puncture proof and water		
resistant)		
Sharps injury log		
D. Disinfection/		
Sterilization		
Functional Autoclave (NB		
not boiler, regularly serviced		
and with spares, temp. and		
pressure gauge working)		
Test-strips for autoclaves		
Suitable disinfectant		
E. Waste disposal	Available	Not available
color-coded plastics		
bags/containers or other		
sharps disposal vessels		
containers with secure lids		
Safety signs for hazardous		
wastes on containers		
Strong gloves for waste		
disposal		
Functional incinerator		
Waste pit for non-infectious		
waste (<i>not overfilled</i>)		
Functional placenta pit		
within premises		

Deep pit for burying		
sharps/blades/injections		
F. Housekeeping items	Available	Not available
(either in the store or on site)		
Cleaning items		
(ignore if service is tendered)		
 Brooms 		
 Rags 		
 Brushes 		
 Buckets 		
 Gloves 		
Disinfectants (indicate type)		
Clean and well kept		
compound		
Pit latrine within premises of		
h/ facility (<i>tick all that apply</i>)		
 Functional 		
 Clean 		
 Soap available 		
 Water available 		

OBSERVATION CHECKLIST

Hand Hygiene	Yes	No
	(Add comment where indicated	(Add comment where indicated
	in the specified section)	in the specified section)
Does healthcare worker wash		
hands with soap and water		
before and/or after:		
• Before touching		
patient?		
• After touching		
patient?		
• Wound dressing,		
suturing,		
catheterization,		
injections, norplant		
insertion or removal,		
intravenous infusion		
or dental		
examination,		
• Touching patient		
surroundings?		
• Touching any bodily		
fluids?		
Personal Protective		
Equipment		
Does healthcare worker wear		
gloves before wound		
dressing, suturing, insertion		
or removal of norplant, IV		
infusion or dental		
examination?		
Are physicians and nurses or		
other direct service providers		
wearing laboratory coats?		
-		
wearing laboratory coats?		
wearing laboratory coats? Sharps management		
wearing laboratory coats? Sharps management Do healthcare workers recap		
wearing laboratory coats? Sharps management Do healthcare workers recap used needles?		
wearing laboratory coats? Sharps management Do healthcare workers recap used needles? House Keeping		
wearing laboratory coats?Sharps managementDo healthcare workers recap used needles?House KeepingAre the sections below		
wearing laboratory coats?Sharps managementDo healthcare workers recap used needles?House KeepingAre the sections below clean? (dust and litter free,		
wearing laboratory coats? Sharps management Do healthcare workers recap used needles? House Keeping Are the sections below clean? (dust and litter free, well-mopped) • OPD • maternity,		
wearing laboratory coats? Sharps management Do healthcare workers recap used needles? House Keeping Are the sections below clean? (dust and litter free, well-mopped) • OPD		