

# World Antimicrobial Awareness Week

18 - 24 November 2020

District General Hospital

Hambantota

Sri Lanka



World Antimicrobial Awareness Week (WAAW) - 2020

The aim is to increase the awareness of global antimicrobial resistance (AMR) and to encourage best practices among the general public, health workers and policy makers to avoid the further emergence and spread of drug-resistant infections.

Slogan:

**"Antimicrobials: handle with care"** applicable to all sectors.

Theme:

**"United to preserve antimicrobials"**

Call for action:

**A global action plan to tackle the growing problem of resistance to antibiotics and other antimicrobial medicines**

Key objective of the plan is to improve awareness and understanding of antimicrobial resistance through effective communication, education and training.

The COVID-19 pandemic has unveiled the huge challenges and risks health workers are facing globally including health care associated infections, violence, stigma, psychological and emotional disturbances, illness and even death. Furthermore, working in stressful environments makes health workers and patients more prone to Healthcare Associated Infections which can leads to increase diseases associate with antimicrobial resistance.

# **District General Hospital – Hambantota**

## **Sri Lanka**

The District General Hospital Hambantota is the only General Hospital in Hambantota district in the Southern province of Sri Lanka. It is a thousand bedded hospital which includes 41 wards, 07 theaters, 02 ICUs, 14 labour room beds and 22 accident and emergency beds.

The Out Patient Department of the hospital works round the clock to give maximum service to the nation with extension of OPD hours. This institution is under the guidance of 35 Consultants including many sub specialties. The staff of the hospital works with the hearts to make this institution as the best Health care facilities in the Southern province.

### **Vision -**

Become a government hospital providing patient- Centered care.

### **Mission -**

To provide highest possible hospital care for the people of Hambantota district as a team.

### **Purpose of the project:**

Observing, World Antimicrobial Awareness Week 18 - 24 November 2020, Infection Control Unit, Quality management Unit and Health Education Unit of District General hospital, Hambantota were highlighting the importance of awareness of global antimicrobial resistance (AMR) and to encourage best practices among the general public, health workers and policy makers to avoid the further emergence and spread of drug-resistant infections. Specially during the time of the global COVID-19 pandemic.

### **Guidance and Supervision:**

Dr. Darshana Wickramasinghe (Consultant Clinical Microbiologist, DGH-Hambantota)



### **Target Groups:**

1. Clients (Clinic Patients and Out Patients Department)
2. Nursing officers of District General Hospital Hambantota and surrounding hospitals
3. Paramedical team
4. Nursing students (School Of Nursing – Hambantota)
5. Health care assistants
6. Non health care workers as clerks and office team

### **Activities Organized By –**

Infection Prevention and Control Unit - District General Hospital Hambantota

Team members -

1. Dr. Darshana Wickramasinghe (Consultant Clinical Microbiologist)
2. Dr. B. Shanaka Pathum ( Medical Officer Clinical Microbiology)
3. Mr. S.P.K.H. Arachchige (Infection prevention & control Nursing officer)
4. Mrs. S.A.P.D.C. Saranasinghe (Infection prevention & control Nursing officer)
5. Mrs. D.K. Lokuhewagama (Infection prevention & control Nursing officer)

## Activities

### 1. Street Drama

**Topic:** Prevention of Health care Associated Infections (HAI)

**Objectives:**

1. To improve knowledge and attitudes regarding Prevention of Hospital Acquired Infections
2. To encourage best practices among the health care workers and policy makers to avoid the further emergence and spread of drug resistance infections.

**Recourse persons:** Nursing officers, Public Health Midwives and Health care assistants.

**Place:**

1. Clinic Premises for more than 600 patients
2. Out Patients Department for more than 200 clients
3. Office Premises for hospital staff including more than 50 managements assistants
4. School Of Nursing-Hambantota for more than 800 nursing students
5. COVID-19 treatment center District General Hospital Hambantota



Street Drama at OPD Premises



Street Drama at Clinic premises





Drama team



## 2. Practical session and PowerPoint presentation

**Topic:** Hand hygiene Practices

**Objectives:**

1. To improve knowledge of Hand Hygiene practices among Health care seekers.
2. To improve hand hygiene practices.

**Audience:** Clients and Care givers who came for clinics

**Places:** Clinic premises and Out Patients Department

**Teaching Material:**

1. Lecture Discussion and practical session on Hand Hygiene
2. Video display

Video 1- Displaying Hand washing Steps

Video 2- Hand Hygiene Dance performed

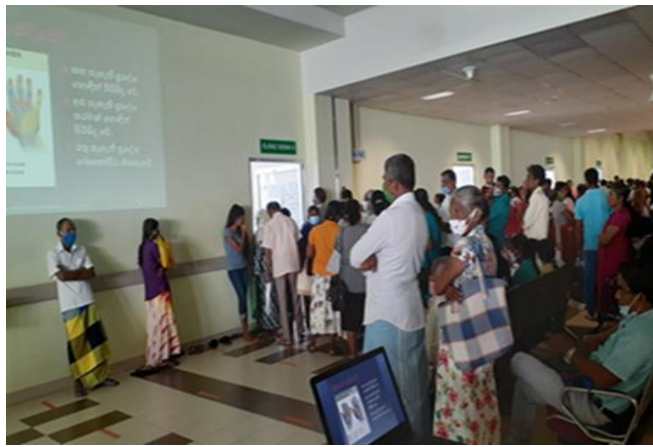
Video 3- TV program on COVID-19 telecast at Sirasa TV Channel with  
Dr. Darshana Wickramasinghe (Con. Microbiologist)



Speech by Dr. S.D.U.M.Ranga, the Director,  
DGH-hambantota



Speech by Dr. Darshana Wickramasinghe  
(Con. Microbiologist-DGH-Hambantota)



Participants at Clinic premises



Speech by Mrs. H.Alahakoon

( Special Grade Nursing officer, DGHH)

### 3. Awareness program for Nursing Students in School of Nursing- Hambantota.



Lecture by Dr. Darshana Wickramasinghe (Con. Microbiologist) at nursing school-  
Hambantota





Speech by Mr. S.P.K.H.Arachige  
Infection control Unit- DGH-Hambantota

## Work shops



## 4. Clinical Audits

### 1. Oxygen Humidifier bottle culture Audit

#### Method:

Weekly collected humidifier bottle water samples were cultured and Infection control measures were taken to control the infection spread through the humidifier bottles.

#### Results:

No	Ward/unit	Organism – first time	Organism – after three weeks
1.	Wd-01	Coliform	Coliform/Pseudomonas
2.	Wd-02	Pseudomonas	Pseudomonas
3	Wd-03	Spore forming Bacilli	-
4	Wd-04	Spore Forming Bacilli	-
5	Wd0-05	Spore Forming Bacilli	Coliform/Pseudomonas
6	Wd-06	Spore Forming Bacilli	-
7	Wd-07/08	-	-
8	Wd-09/10	-	-
9	Wd-11/12	-	Coliform
10	Wd-13/14	-	Coliform
11	Wd-15	-	-
12	Wd-16	Pseudomonas	Coliform
13	Wd-17	pseudomonas	Coliform
14.	Wd-18	Spore Forming Bacilli & Coliform	Pseudomonas
14	Wd-19	-	-
15	Wd-20	-	-
16	Wdd-21	-	Coliform
17	Wd-22	-	NO
18	Wd-23	-	Coliform
19	Wd-24	-	Coliform
20	NICU	-	Pseudomonas

After a cleaning and disinfectant work shop, reauditing done and awaiting results.

## 2. Cleaning solutions & detergent culture audit

**Method:** Solution which were using in cleaning services were cultured and identified contamination.

### Results:

No.	Name of the cleaning solution	Result	Remarks	
			Sensitive	Resistant
01	Phenol	No Growth		
02	Phenol	No Growth		
03	Teepol	Pseudomonas spp	CN,CAZ,CIP,TZP,MEM,AK	
04	Teepol	Coliform	AK,NET,CXM,CT,AMC,CIP,CN,	
05	Toilet Cleaners	Coliform	AK,NET,CXM,CT,AMC,CIP,CN,	
06	Toilet Cleaner	Coliform	AK,NET,CXM,CT,AMC,CIP,CN,	
07	Lysol	Pseudomonas & Coliform	CN,CAZ,CIP,TZP,MEM,AK	
08	Lysol	Pseudomonas spp.& ESBL	CIP,MEM,CN,NE,AK	CTX,AMC,CXM
09	Air Freshners	No Growth		
10	Air Freshner	No Growth		

After a cleaning and disinfectant work shop, reauditing done and awaiting results.

## 5. Stop unnessasery usage of disinfection in COVID-19 crisis period



Controlled unnecessary usage of disinfectants by controlling disinfectant booths, environmental usage, ambulances etc...

**6. Infection Control awareness programme at Mattala International Airport, Hambantota-Sri Lanka**





## 07.waste disposal – Clinical waste can spread lots of infections in the environment

- Drinking water contamination
- Environmental contamination leads to colonization's
- Food contamination

- **Solutions :**

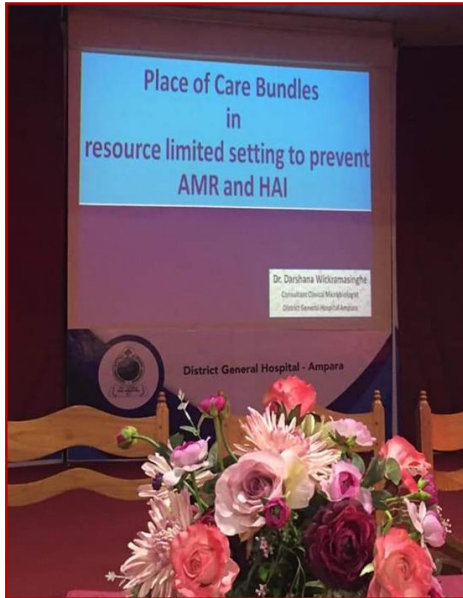
- ✓ Incineration
- ✓ Color code
- ✓ Proper transport



09.

Continuous Professional Development Workshops to improve knowledge of the staff.

Lectures uploaded to **You tube channel**



1. <https://www.youtube.com/watch?v=No09hbmfCCs>
2. <https://www.youtube.com/watch?v=xdEdgNoJzaU>
3. <https://www.youtube.com/watch?v=XglhJav2X1A>
4. <https://www.youtube.com/watch?v=RPhbW0L4ROQ>
5. <https://www.youtube.com/watch?v=dtO0s0RigsE>
6. <https://www.youtube.com/watch?v=pW4arWA2btE>
7. <https://www.youtube.com/channel/UCg-wPI6z0bN9zpe223DNoCg>

10.

## TV Programs

Sirasa TV News Line  
On 17.04.2020



# 11. Improve infection control measures in the clinical set up

- Solution :
  - ✓ Maintain checklist , audits and rewarding

INFECTION CONTROL AND PREVENTION CHECK LIST				
District General Hospital, Hambantota				
Unit Ward:	Name of the link N.O:			
Hand Hygiene	Piece of soap in size/ Liquid soap			
	Adequate amount of hand towels			
	Alcohol based Hand rub			
	Displaying hand washing posters			
	5 Moment of hand washing audit (10)			
Environmental Cleaning	Dust & Cobweb removed properly all surfaces (3)			
	Light, Fans, Phones, Refrigerators & Other electrical items are cleaned properly			
	Cupboard, lockers, downes & other furnitures cleaned properly			
	Trolley, Wheel chairs, Beds cleaned			
	Mattress & Mackintosh are cleaned properly			
	Curtains & Screens 1 Month			
	Linen & bed sheet change	New patient- New linen		
		Change dirty linen properly		
	Floor cleaning	Cleaning items cleaned		
		Cleaning items storage properly		
	Washrooms cleaned properly			
	Available of cleaning schedule or cleaning chart			
	Disinfectant	TCL proper preparation & storage		

