



Patient Safety Day - 2021

Best Practices

Base Hospital Udugama

Introduction

- Udugama is a type B Base hospital in southern province
- The hospital bed strength is 145 with 85% bed occupancy rate.

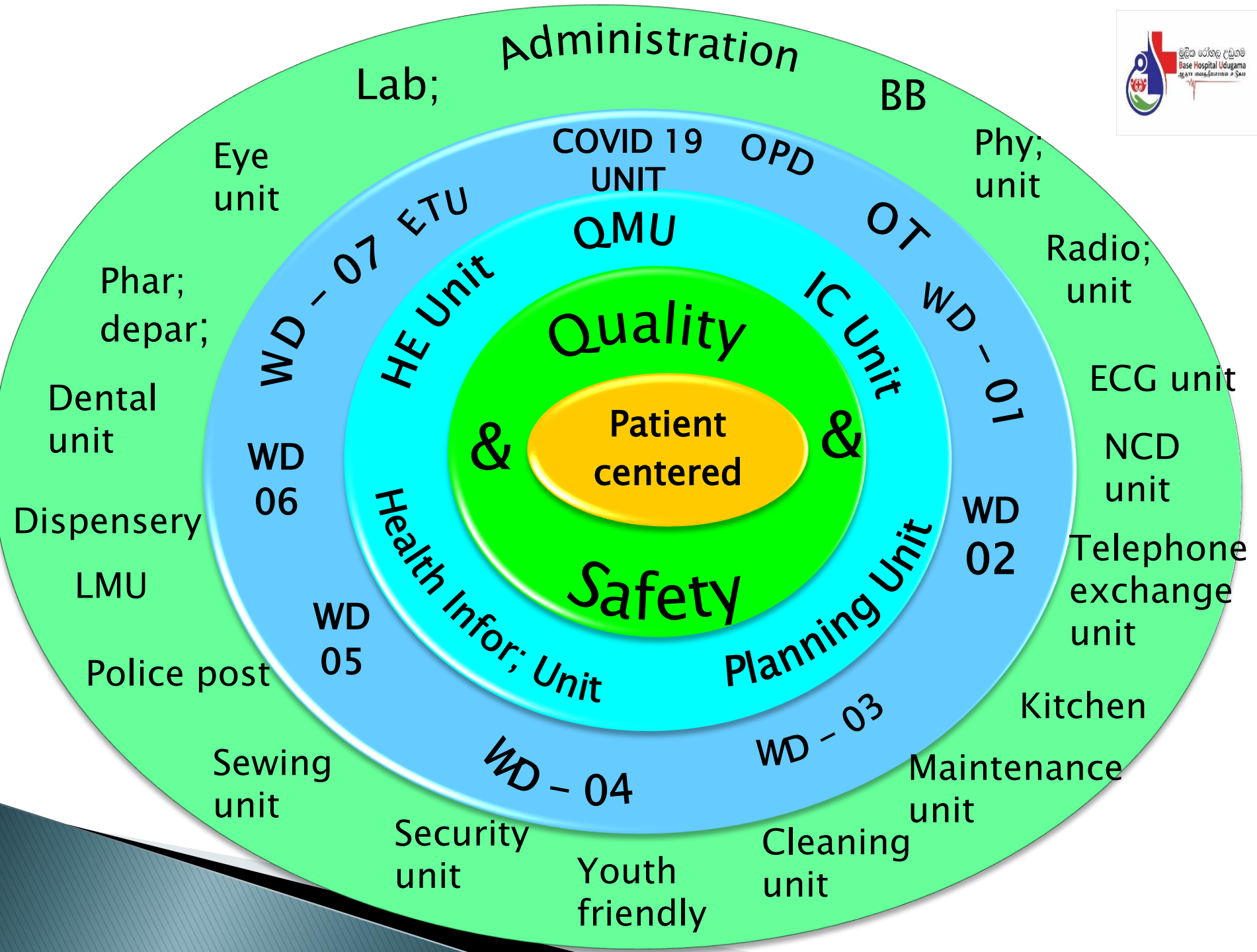
Vision



To become the Best Health care provider to the surrounding community.

Mission

Provide best quality curative and preventive Health care services based on clients requirement to their best satisfaction by all experienced, active, pleasant health care staff.



Gynecology & Obstetric Unit



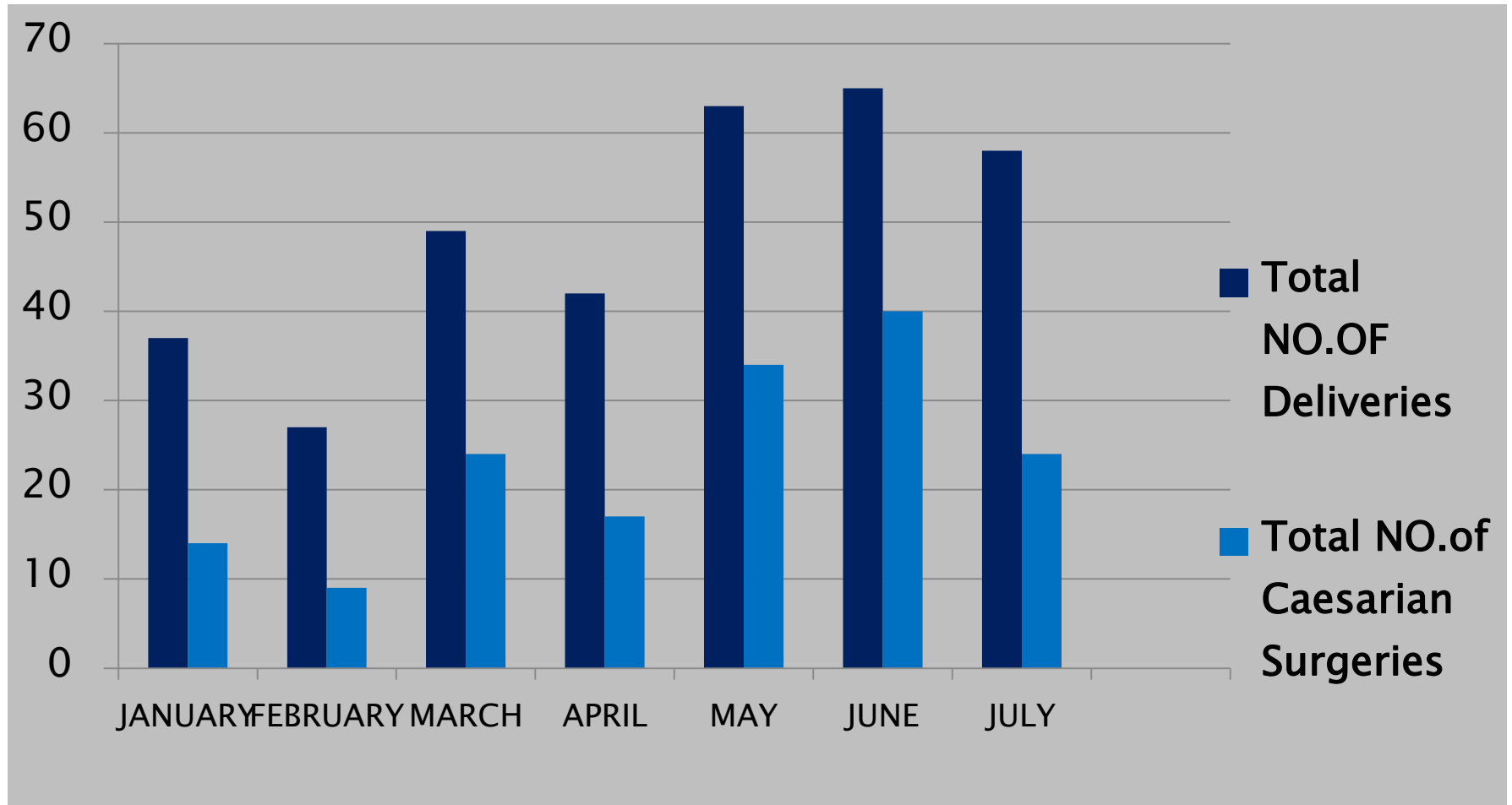
Resources



- Obstetrician & Gynecologist -: Dr. N.V.J. Sharadha Jayalath
- Medical Officers -: 03
- Nursing Officers -: 09
- Family Health Midwives -: 06
- Junior Staff-: 05

- Bed strength of Gyn- Obs unit -: 35
- Number of labour room beds -: 4

Statistics Related to Obstetric Performance –2021



Statistics Related to Obstetric Performance 2021

Indicator	January	February	March	April	May	June	July
Bed occupancy rate	58.6%	102%	93.8%	118%	120.7%	154.3%	130.8%
Post-Partum Infection Rate	0%	0%	0%	0%	0%	0%	0%
Number of Maternal Deaths	0%	0%	0%	0%	0%	0%	0%
Neonatal Mortality Rate (NMR)	0%	0%	0%	0%	0%	0%	0%



Name of the project

**Active Implementation of the Partogram for
Safe Maternal and Newborn Care**

Objective of the Project

The objective of the project is to prevent maternal and new born complication during labour



Names and the designations Of the team involved

- Medical Superintendent -: Dr.G.H.S. Fernando
- Obsetrician & Gynecologist -: Dr. N.V.J. Sharadha Jayalath
- Obstetrician & Gynecologist -:Dr. Darshana Somirathna
- N/O -: H.L.W. Pushpa Kumari
- N/O -: P.P.A.P. Pathirana (QMU)
-

Date of commencement of the project

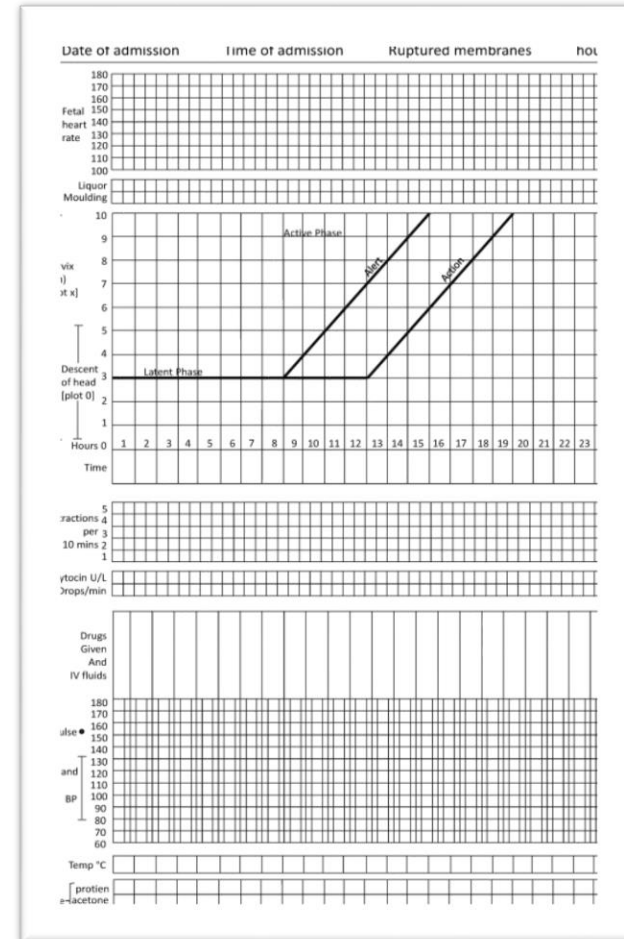
2021 - January

Aim of selecting the project



- Approximately 810 women die every day from preventable causes
- 6700 newborns die every day
- 2 million babies are stillborn every year and > 40% occurring during labor
- However majority of these could be preventable with prompt detection and management of complications by the skilled health care team.

National Partogram is a tool which is used for the early detection of abnormal progress of labour with underlying maternal and fetal complications





Why we select Partogram

Frequent Emergency LSCS

Urgent transfer to TH, Mahamodara for LSCS

Maternal and new born complication were reported in labour

Methodology of Project

1. Pre Audit on proper maintenance of Partogram
2. Implementation of changers
3. Re Audit



Findings of the pre Audit



1. Improper maintenance of National partograms
2. Completeness is poor
3. Partogram finding is not match with the delivery time

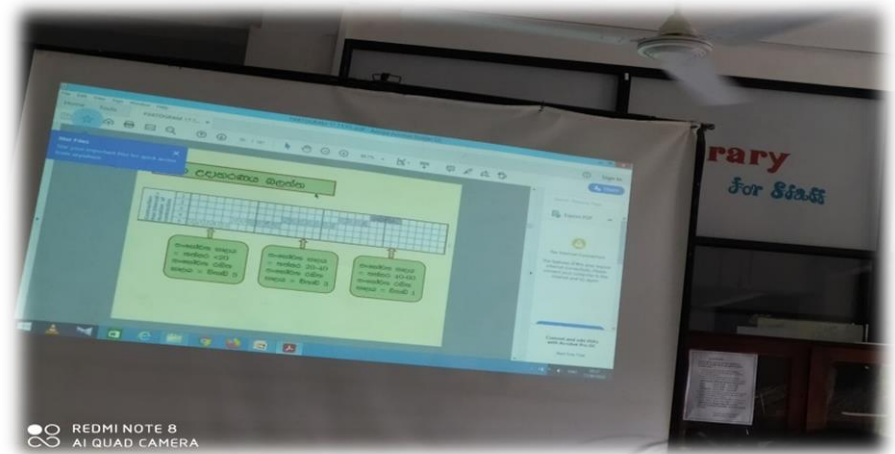
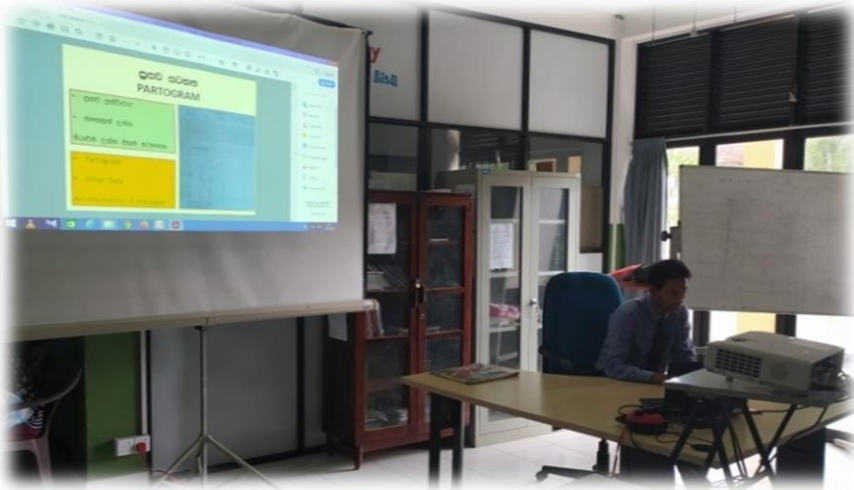
Issues for Poor Compliance



- 1. Lack of knowledge on recording and interpretation**
- 2. Lack of attention**
- 3. Inadequate supervision**

Strategies implemented to proper use of partogram

01. Awareness and training programme were conducted on partogram maintenance for medical officers, nursing officers and midwives working in the labour room.



02. Allocation and delegation of duties to responsible healthcare members accordingly for completing the relevant sections of the partogram



National Partogram H: 1255
(Revised 2020)

Name: _____ Hst. No: _____
 Gravida: _____ Parity: _____ Age: _____ Blood Group: _____ Date and Time: _____
 Special Problems: _____ Special Instructions: _____

Time of S/F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Fetal Heart Rate																								
Contraction																								
Cervix																								
Descent																								
Position																								
Moulding																								
Pulse																								
BP																								
Temp																								
Action																								

2nd Stage Fetal Heart Rate Record Time: Fully dilated: _____ Commenced pushing: _____ (Mark ✓✓)

Time	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
FHR																								

● FHM ● DOCTOR ● NURSE

04. Sending monthly returns of the proper use of partograms to the hospital Quality Management Unit



PROPER USE OF PARTOGRAMS – WD 02

NUMERATOR/ DNOMINATOR	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
No. of Completed Partograms	29	18	25	34	25	40						
Total No. of Partograms	29	17 <i>2 WD - 01 Partogram capability.</i>	25	34	25	40						
Rate of proper use of Partograms	100%	94.11%	100%	100%	100%	100%						
Sig. of N/O	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>						

98%

05. Supervision

Random checking of partogram at the antenatal unit by;

1. Two consultant VOGs
2. Medical superintendent
3. Sister
4. Quality Management Unit

06. Presenting the monthly progress of the proper use of partograms in the monthly conducted hospital Mortality & Morbidity Review meeting.

20 february 2021 - Microsoft PowerPoint (Product Activation Failed)

File Home Insert Design Transitions Animations Slide Show Review View

Slides Outline

7 Statistics related to Clinical Indicators - 2021 - February

3 Clinical Indicators of Surgery

Indicator	Commenced YES/NO	February	Issues during implementation
1. Rate of Fulfillment of Elective Surgery	YES	1.14% (0%)	1.8 Med Power
2. Rate of Surgical Site Infection	YES	0%	

8 Statistics related to Clinical Indicators - 2021 - February

5 Clinical Indicators of Pediatrics

Indicator	Commenced YES/NO	February	Issues during implementation
1. Immunization coverage in children 12-23 months	YES	100%	100%
2. Immunization coverage in children 24-35 months	YES	100%	100%
3. Immunization coverage in children 36-47 months	YES	100%	100%
4. Immunization coverage in children 48-59 months	YES	100%	100%
5. Immunization coverage in children 60-71 months	YES	100%	100%

9 Statistics related to Clinical Indicators - 2021 - February

4 Clinical Indicators of Obstetrics & Gynaecology

Indicator	Commenced YES/NO	February	Issues during implementation
1. Labour Induction Rate	YES	36.36%	
2. Episiotomy rate	YES	88.88%	
3. Caesarian section rate	YES	33.33%	
4. Proper use of Partogram	YES	94.44%	

10 Reported Mx Meetings - February

Day	Reported	Reviewed
Feb 01	👍	👍
Feb 02	👍	👍
Feb 03	👍	👍
Feb 04	👍	👍
Feb 05	👍	👍
Feb 06	👍	👍
Feb 07	👍	👍
Feb 08	👍	👍
Feb 09	👍	👍
Feb 10	👍	👍
Feb 11	👍	👍
Feb 12	👍	👍
Feb 13	👍	👍
Feb 14	👍	👍
Feb 15	👍	👍
Feb 16	👍	👍
Feb 17	👍	👍
Feb 18	👍	👍
Feb 19	👍	👍
Feb 20	👍	👍
Feb 21	👍	👍
Feb 22	👍	👍
Feb 23	👍	👍
Feb 24	👍	👍
Feb 25	👍	👍
Feb 26	👍	👍
Feb 27	👍	👍
Feb 28	👍	👍
Feb 29	👍	👍

Slide 9 of 12 | "Office Theme" | English (U.S.)

Type here to search

ENG 3:22 PM
INTL 7/24/2021

Result

Implementing above proposed changes and planned to re-audit in three months period on January 2021 to June 2021

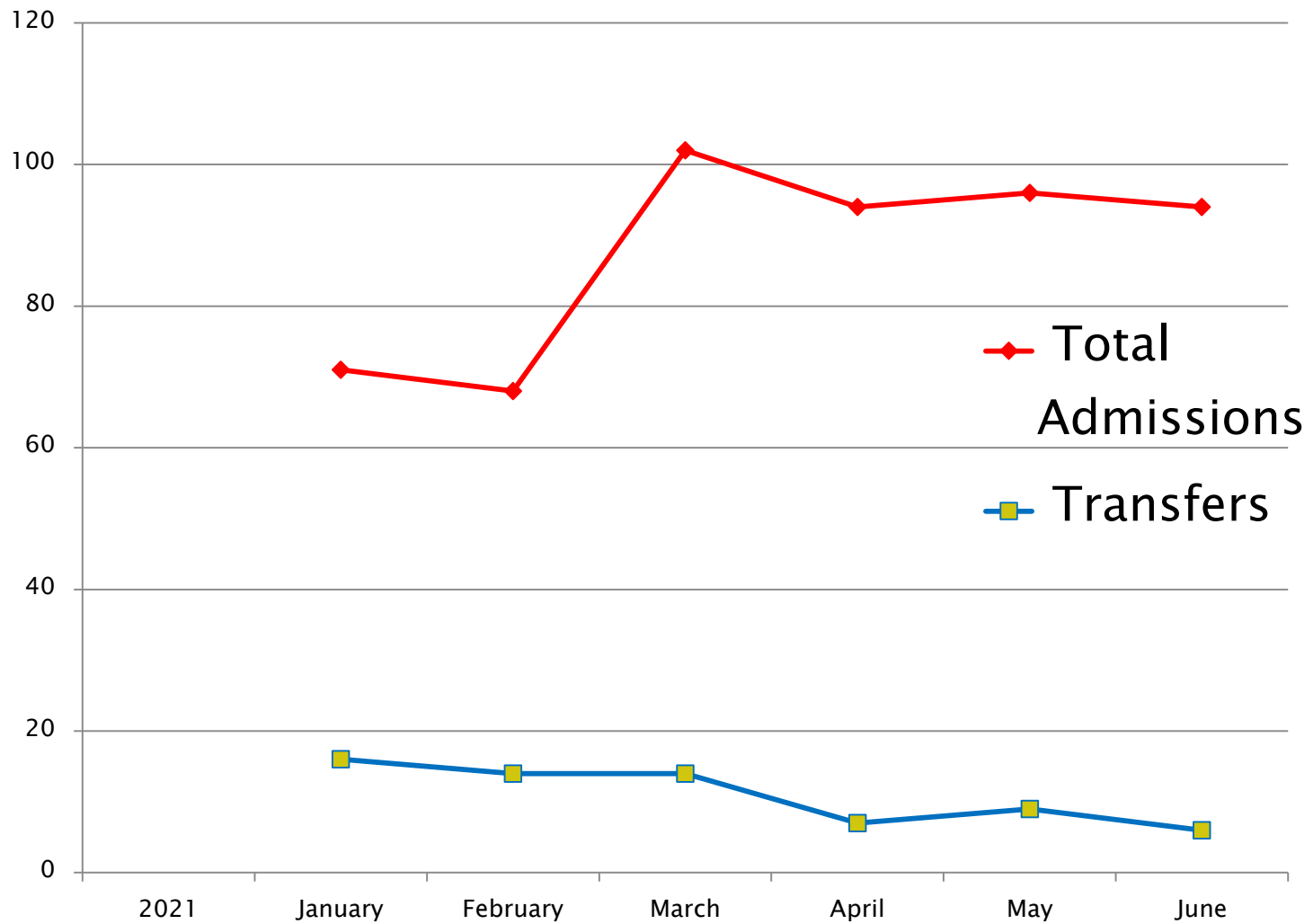
Component	Pre-audit (2021 – January)	Re-audit (2021 – March)	Re-audit (2021 – JUNE)	Progress
01) Total number of selected BHTs	20	30 (Total NVD)	40 (Total NVD)	
02) Number of partograms attached to the BHT	20 → 100%	30 → 100%	40 → 100%	Improved
03) Number of recorded cervical dilatations, alert line and action line	15 → 75%	10 → 33.3%	40 → 100%	Improved
04) Number of recorded maternal details	18 → 90%	30 → 100%	40 → 100%	Improved
05) Number of recorded FHS in 1 st stage	9 → 45%	27 → 90%	40 → 100%	Improved
06) Number of recorded VE time	0	28 → 93.3%	40 → 100%	Improved
07) Number of recorded CTG findings	0	06 → 20%	40 → 100%	Improved
08) Number of recorded contractions free interval and duration of contractions	05 → 25%	12 → 40%	40 → 100%	Improved
09) Number of recorded Oxytocin dose and rate	0	20 Patients out of 21 patients who received Oxytocin → 95.2%	19 patients out of 19 patients who received Oxytocin → 100%	Improved
10) Number of recorded vaginal descents	05 → 25%	04 → 13.3%	40 → 100%	Improved
11) Number of recorded VE findings	08 → 40%	05 → 16.6%	40 → 100%	Improved
12) Number of recorded maternal vital signs	12 → 60%	18 → 60%	40 → 100%	Improved
13) Number of recorded action taken	0	01 → 3.3%	40 → 100%	Improved
14) Number of monitored and recorded second stage FHS	06 → 30%	07 → 23.3%	40 → 100%	Improved

Project Monitoring Out Come Indicator

Number of Emergency transfer to TH.Mhamodara

Number of transfers to TH. Mahamodara for Emergency care from January to June in 2021.

Month 2021	Total Admissions	Transfers	Transfer Rate
January	71	16	26.7%
February	68	14	20.5%
March	102	14	13.7%
April	94	7	7.4%
May	96	9	9.3%
June	94	6	6.3%



Conclusions

Labour related maternal new born complication can be reduced by implementing proper maintenance of partogram

Recommendations

Regular auditing, Monitoring and evaluation must be carried out on maintenance of partogram in Hospital setting in order to improve maternal and neonatal complication during labour.

References

World Health Organization (2017). Maternal mortality. Retrieved on 23/07/2021. Available at: <https://www.who.int/news-room/fact-sheets/detail/maternal-mortality>.

UNICEF (2020) Neonatal mortality. Retrieved on 23/07/2020. Available at: <https://data.unicef.org/topic/child-survival/neonatal-mortality/>.

World Health Organization(2021). Still birth. Retrieved on 23/07/2021. Available at: https://www.who.int/health-topics/stillbirth#tab=tab_1

Quality & Safety Activities in BH.Udugama

01. Regular monitoring & Supervision

- Daily ward rounds
- Daily maintained check lists

02. Clinical Audits

- Hand washing audit
- Waste management audit

03. Monthly review meetings

- Infection control review meeting
- Quality management review meeting
- Health Education review meeting
- Mortality & Morbidity review meeting
- Drugs Committee
- Hospital Committee

04. Safety day competitions among wards & unit

05. Regular system for adverse events monitoring

06. Monitoring of Clinical Indicators

- Readmission rate
- Surgical sepsis rate

07. Zero Waste Management system

- EPL
- Scheduled Waste management License

08. Training & Health education programs for the staff

(according to the annual plan)

09. Health Education sessions for patients & their family members

1st World Patient safety day September 17- 2019



ලෝක
රෝගී සුරක්ෂිතතා
දිනය 17 සැප්තැම්බර් 2019

මූලික රෝහල - උඩුගම

Staff awareness for Patient Safety Day



Holding a competition between Wards & Units



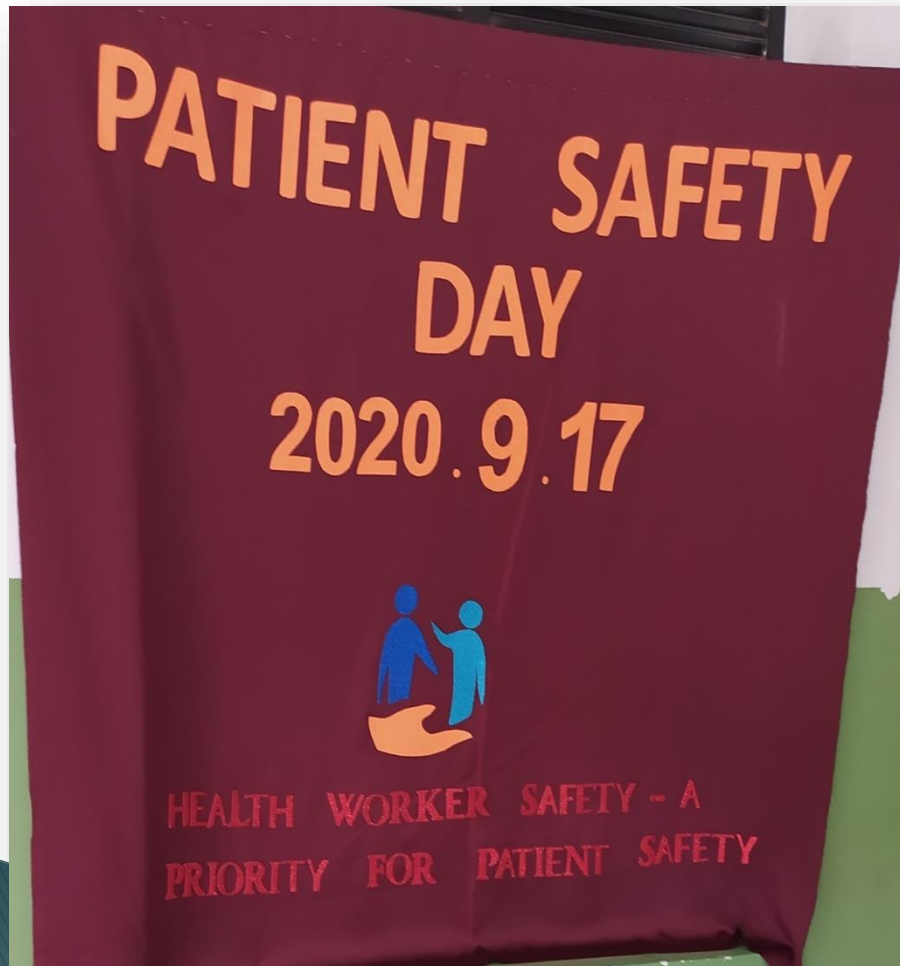
Patient Safety Day – 2019



1st patient safety completion 2019 – Winner (Interprovincial Quiz computation)



2nd World patient safety day 2020



Holding a competition between Wards & Units



Patient Safety Day Function – 2020



2nd Patient safety completion 2020

Selected As a one of Top Five Hospitals
In Covid 19 Preparedness



Recently Extended Services



01.COVID 19 Treatment Centre

- COVID HDU – 20
- Intermediate care – 13
- Isolation – 10
- Post COVID Clinic



03.ICU (currently under construction)





Thank you