

SINGAPORE – INDIA COLLABORATION TO ENHANCE MATERNAL AND CHILD HEALTH SERVICES IN KARNATAKA

Three year pilot project to reduce infant and maternal mortality and morbidity in Karnataka

On 1st August 2016 – The Singapore International Foundation (SIF) in partnership with Singapore’s largest healthcare group, the Singapore health services, (SingHealth) together with the State Institute of Health and Family Welfare (SIHFW), Government of Karnataka, launched a three- year training programme to reduce infant and maternal mortality and morbidity in Karnataka and create sustainable healthcare improvements for the community.

This collaborative effort entitled – “Enhancing Maternal and child Health (MCH) Services Programme”, is designed to share knowledge & skills in managing high-risk pregnancies, obstetric and neonatal emergencies, strengthen work systems and processes as well as to enhance the capacity of healthcare workers in delivering higher quality accessible & affordable care for pregnant women and babies.

Over the next three years, a multidisciplinary healthcare specialist volunteer team comprising obstetricians, neonatologists, midwives and senior nurses from Singapore General Hospital’s Department of Obstetrics and Gynecology and Department of Neonatal and Developmental Medicine, will train 200 healthcare professional from tertiary and secondary care government hospitals in Karnataka. Over a series of training workshops, the specialist team will equip participants with the necessary skills and knowledge to address some of the key factors contributing to maternal and newborn deaths. Out of the 200 trained Indian healthcare professionals, 40 Master Trainers will then train another 200 more medical professionals, cascading the impact within the community. An estimated 1, 00,000 pregnant women and their newborn babies in Karnataka are expected to benefit from this enhanced MCH care. There is no financial burden to Government of Karnataka in this endeavor.

This partnership will see the three collaborating organizations draw on their community networks to share best practices and leaning journeys at a symposium in Karnataka. A study visit to Singapore will also take place to facilitate the sharing of knowledge and experiences of Singapore’s journey in enhancing MCH services.

The launch event was held at the VikasaSoudha was attended by both Singapore and Indian partners and stakeholders, including Principal Secretary to Government, Health and Family Welfare Department, Dr. Shalini Rajneesh, IAS, Consul General Mr. Roy Kho, Republic of Singapore, Singapore International Foundation Governor, Mr. Lian Wee Cheow and Professor Tay Boon keng and Associate Professor Chua Yeowleng from SingHealth.

“Enhancing Maternal and Child Health Services Training Program” for Specialists from 01.08.2016 to 04.08.2016- 1st Batch.

SI.No	Participants	Total Participants
1	DTC Principals	46
2	Gynecologists	
3	Pediatricians	
4	Staff Nurses	

“Enhancing Maternal and Child Health Services Training Program” for Specialists from 19.12.2016 to 21.12.2016 – 2nd Batch.

SI.No	Participants	Total Participants
1	DTC Principals	56
2	Gynecologists	
3	Pediatricians	
4	Staff Nurses	

SI.No	Topics Covered
1	Maternal Collapse and eclampsia
2	Major Obstetric Hemorrhage
3	Breach
4	Shoulder Dystocia
5	Neonatal Sepsis and Infection Control
6	Neonatal resuscitation
7	Eclamptic Seizures and maternal resuscitation
8	Breach Delivery
9	Shoulder Dystocia and PPH + Neonatal Resuscitation (Tem work)
10	Eclamptic Seizure and Assisted Breach Delivery (Team Work)

“Enhancing Maternal and Child Health Services Training Program” for Specialists from 24.04.2017 to 26.04.2017

SI.No	Participants	Total Participants
1	Gynecologists	54
2	Pediatricians	
3	Staff Nurses	

Days	Topics Covered- Obstetrics Program	Topics Covered- Paediatrics Program
Day -1	Maternal Collapse and eclampsia	Principles of Resuscitation and Initial steps in resuscitation
	Major Obstetric Hemorrhage	Use of resuscitative devices for PPV & Chest compressions
	Shoulder Dystocia	Practical skill stations / Initial steps PPV & Chest compressions (Practical)
	Neonatal resuscitation workshop for Obstetricians	Endotracheal Intubation and Medications
	Breach	Special Consideration and post resuscitation management
		Practical skills station intubations and medications
Day- 2	Obstetrics Skills Station	Infection control, Neonatal sepsis and Antibiotic use
	Lecture on Maternal Sepsis	Respiratory support and care- CPAP, High flow Oxygen therapy, Demo set up for CPAP and High flow Oxygen Therapy
	Maternal Sepsis Scenarios	Integrated Neonatal resuscitation skills station
	MCQ Test	
Day- 3	Team work Scenarios:	
	Shoulder Dystocia and PPH Neonatal Resuscitation (1)	
	Shoulder Dystocia and PPH Neonatal Resuscitation (2)	
	Eclamptic Seizure and assisted breach delivery (1)	
	Eclamptic Seizure and assisted breach delivery (2)	

“Enhancing Maternal and Child Health Skill based Training” for Specialists from 30.01.2017 to 01.02.2017 (this training is conducted by SIHFW)

1st Batch

Sl.No	Participants	Total Participants
1	Gynecologists	50
2	Pediatricians	
3	Staff Nurses	

Days	Topics Covered
Day -1	Pre Test
	Maternal Collapse and eclampsia

	Major Obstetric Hemorrhage
	Breach Delivery
	Shoulder Dystocia
	Neonatal Sepsis
	Skill Stations : 1. Shoulder Dystocia 2. Major Obstetrics Haemorrhage 3. Maternal Collapses and Eclampsia 4. Breach Delivery 5. Neonatal Sepsis
Day- 2	<u>Maternal Sepsis:</u> Skill Stations : 1. Shoulder Dystocia 2. Major Obstetrics Haemorrhage 3. Maternal Collapses and Eclampsia 4. Breach Delivery 5. Neonatal Sepsis
Day- 3	Importance of Team work
	Post Test
	Queries

**“Enhancing Maternal and Child Health Skill based Training” for Specialists
from 16.03.2017 to 18.03.2017 (this training is conducted by SIHFW)**

2nd Batch

Sl.No	Participants	Total Participants
1	Gynecologists	50
2	Pediatricians	
3	Staff Nurses	

Days	Topics Covered
Day -1	Pre Test
	Maternal Collapse and eclampsia
	Major Obstetric Hemorrhage
	Breach Delivery
	Shoulder Dystocia
	Neonatal Sepsis

	Skill Stations : 6. Shoulder Dystocia 7. Major Obstetrics Haemorrhage 8. Maternal Collapses and Eclampsia 9. Breach Delivery 10. Neonatal Sepsis
Day- 2	<u>Maternal Sepsis:</u> Skill Stations : 6. Shoulder Dystocia 7. Major Obstetrics Haemorrhage 8. Maternal Collapses and Eclampsia 9. Breach Delivery 10. Neonatal Sepsis
Day- 3	Importance of Team work
	Post Test
	Queries

Note: 16 Specialists and 5 Staff Nurses are selected by Sing Health as Master Trainers for “Enhancing Maternal and Child Health Training Program”.

Bengaluru, 17th October 2016:

This collaborative effort entitled – “**Emergency Care Program for Hospitals**” Inaugurated by Dr.Shalini Rajaneesh , Principal Secretary to Government, Department of Health and Family Welfare Services, Government of Karnataka.

“Advanced Training on Emergency Management” for Clinicians and Nurses from 06.06.2016 to 10.06.2016 1st Batch

Sl.No	Participants	Total Participants
1	DTC Principals	50
2	Orthopedicians	
3	Anesthetists	
4	Physicians	
5	Staff Nurses	

Sl.No	Topics Covered
1	Approch to Pre Hospital Emergency Care
2	Chest Pain (Management of Acute Coronary Syndromes)
3	Cardiac Arrest Management
4	Trauma Related Protocols
5	Respiratory Emergencies/ Abdominal Pain Management
6	The Unconscious Patient

7	Pregnancy Related Protocols
8	Fire/ Burns/ Blast Injuries
9	Poisoning/ Epilepsy/ Anaphylaxis
10	Testing, Feedback and Debrief

**“Emergency Care Program for Hospitals” for Clinicians and Nurses from
17.10.2016 to 21.10.2016 2nd Batch**

SI.No	Participants	Total Participants
1	DTC Principals	50
2	Orthopedicians	
3	Anesthetists	
4	Physicians	
5	Staff Nurses	

SI.No	Topics Covered
1	Approch to Pre Hospital Emergency Care
2	Chest Pain (Management of Acute Coronary Syndromes)
3	Cardiac Arrest Management
4	Trauma Related Protocols
5	Respiratory Emergencies/ Abdominal Pain Management
6	The Unconscious Patient
7	Pregnancy Related Protocols
8	Fire/ Burns/ Blast Injuries
9	Poisoning/ Epilepsy/ Anaphylaxis
10	Testing, Feedback and Debrief

**“Pre-Hospital Emergency Care Program” for GVK-EMRI Emergency Nurses- 1st
Batch from 21.02.2017 to 25.02.2017 and 2nd Batch from
27.02.2017 to 03.03.2017**

SI.No	Participants	Total Participants
1	Emergency Nurses- 1 st Batch	44
2	Emergency Nurses- 2 nd Batch	36

Sl.No	Topics Covered
1	Approach to Pre Hospital Emergency Care
2	Cardiac Emergencies
3	Trauma Related Protocols
4	Respiratory Emergencies
5	Poisoning/ Epilepsy/ Allergies
6	Pregnancy Related Protocols
7	The Unconscious Patients
8	Trauma Related Protocols
9	Fire/ Burns/ Blast Injuries
10	Testing Feedback and Debrief





