

PREVENTABLE MATERNAL AND NEW-BORN MORTALITY REDUCTION BY REDUCING DELAYS IN DELIVERY OF CARE IN CHILDBIRTH EMERGENCIES

A HUB AND SPOKE CONCEPT

WHAT IS M.E.R.N. ?

MATERNITY EMERGENCY RESPONSE NETWORK IS A RESOURCE FOR RAPID RESPONSE, ASSESSMENT, RESUSCITATION AND FAST TRACK TRANSFER OF MOTHERS AND BABIES FOR EMERGENCY CARE FROM COMMUNITIES TO HOSPITALS – REDUCES DELAYS, SAVES LIVES

Maternity Emergency Response Network M.E.R.N. Childbirth Survival Protocol- BRIDGING A GAP IN CARE



Resuscitation and Stabilisation of Mother/Child in emergencies prior to Ambulance Transfer and Tracking from remote areas to safety of hospitals– Ambulance ,Consumables, Equipment, Digital technology and Training of Paramedics, Nurses/Midwives and Doctors

1. Background – CALMED (Collaborative Actions in Lowering of Maternity Encountered Deaths) is a Rotarian initiated holistic ,evidence-based programme for reducing avoidable maternal and new-born deaths in low resource settings. (<https://www.calmedrotary.org>)- designed to bridge gaps in care, related to the three delays- at the community ,in transfer and within healthcare facilities. M.E.R.N. is a strategic network support to reduce delays in emergency care

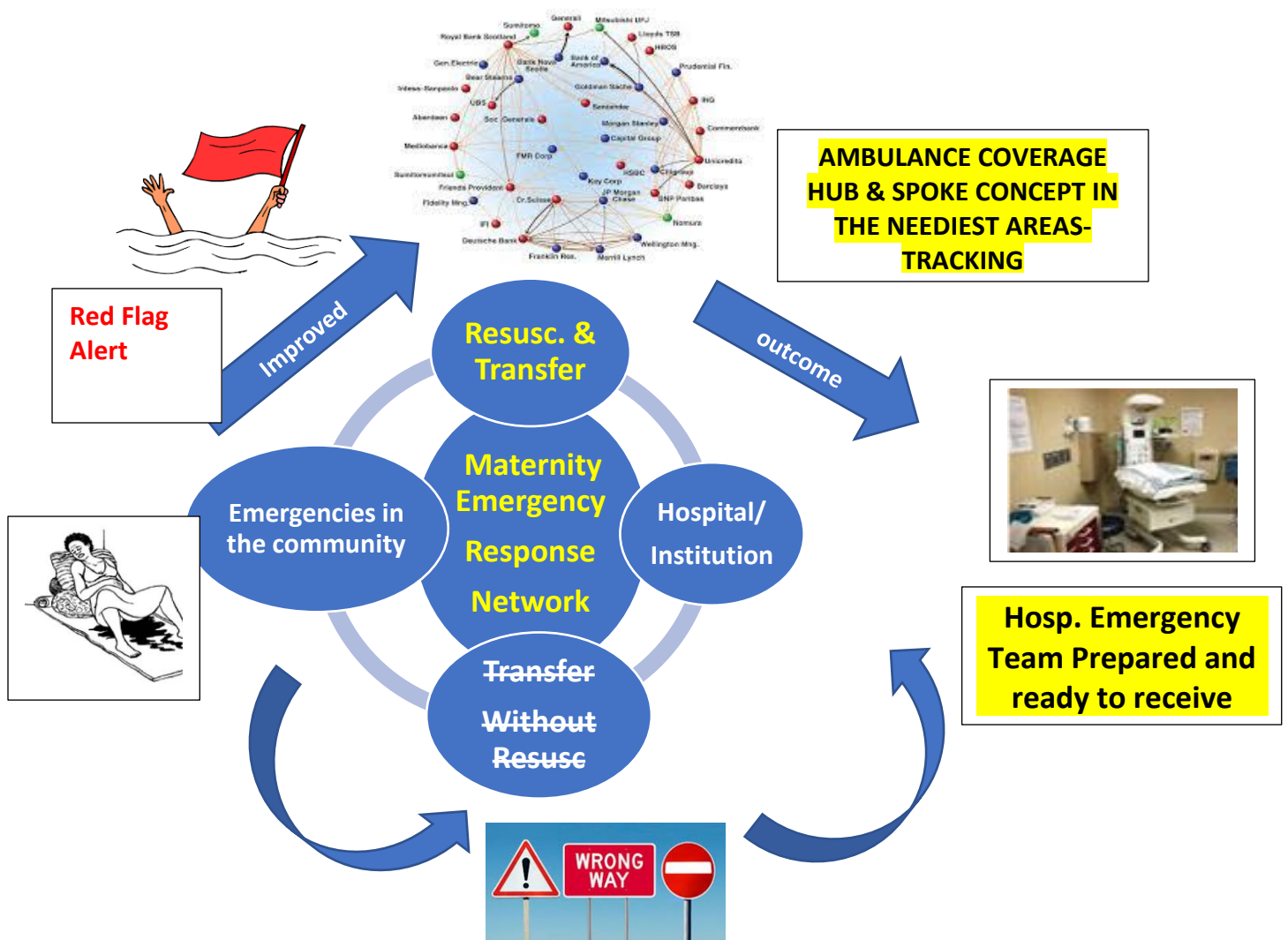
2. Our challenge is for Rotary and partners to adopt the SDG 3 Goals – reduce maternal mortality further (70 or less per 100,000 maternities) and encourage equity in care and UHC (Universal Health Coverage) . The programme could start in the remote areas, where access and mortalities are higher. It could incorporate introduction of low cost ambulance (E- ranger bike ambulance is based on a motor bike with a side car or similar- www.eranger.com),**prompt response to emergencies ,provision of basic resuscitation and tracking in emergencies occurring at home before transfer to**

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the safety of hospital care – this practice saves mothers and babies during transfer, and reduce delays after arrival at the hospital/facility -please see below .

3.M.E.R.N Details – This is a validated resource for improving survival rates of mothers and new-borns in emergency situations during transfer from distant communities – developed as a component of the CALMED programme. It involves a red flag alert in obstetric and new born emergencies, which initiates a rapid respectful response ,assessment ,resuscitation ,safe transfer and tracking from communities to the most appropriate hospital department ,to reduce delays



<https://www.calmedrotary.org>

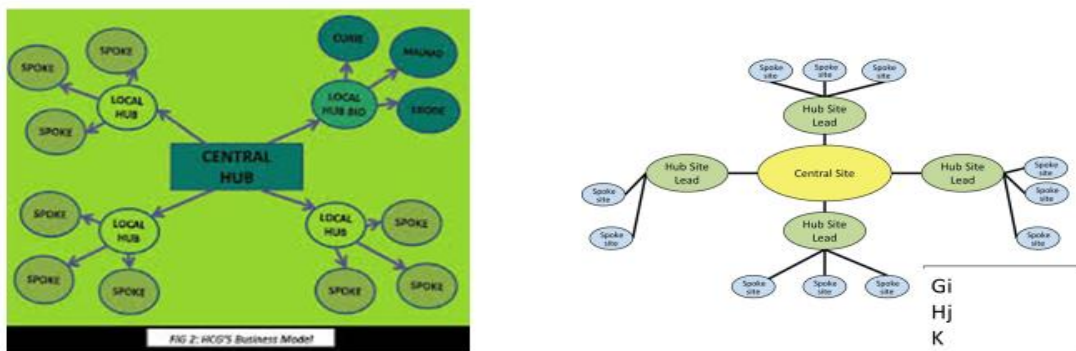
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MATERNITY EMERGENCY RESPONSE NETWORK (M.E.R.N.) APP/STRUCUTRE-
ACCESS TO INFORMED, RESPECTFUL, RESPONSIBLE, RAPID TRANSFER OF CARE



A HUB AND SPOKE NETWORK FOR ASSISTANCE, COMMUNICATION AND MENTORING – APP, TELEMEDICINE SUPPORTED NETWORK



Action Required – a road map to reduce delays in emergency care from communities

1. **Local Committee structure** -Rotary Club/District Partnership with the Government ,WHO Quality Care Network-publicity within and beyond Rotary
2. Business Plan for implementation – secure funding, partnership, stewardship – Rotary Foundation Global Grant
3. Piloting the programme – identify neediest areas, with resources able to implement
4. Discuss the issues with the existing Ambulance Service . Consider production & assembly of E-Ranger Bike Ambulance or similar-if there is shortage of ambulance

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vehicles (**please visit eranger.com -consult Mike Norman, If low cost ambulance will be used**)

5. Purchase & assembly of consumables and equipment
6. Training of Ambulance Crew, M.E.R.N. Care Manager, and basic health care workers- regular repeat training and “fire drills”(mock exercise for emergencies)
7. Publicity, Social Media etc.
8. Securing ongoing funding and other resources for logistical support and sustainability – partnership with sponsoring Rotary Club(s),NGOs
9. Integration into existing health systems including CALMED and other models, as required.
10. Monitoring output, outcome ,problems ,realignment in a continuous cycle of change.

Respectfully submitted by Dr. Himansu Basu, on behalf of participants, collaborators and supporters of CALMED programme.

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ABBREVIATIONS

CALMED – Collaborative Action in Lowering of Maternity Encountered Deaths

MAST – Maternity Alliance for Structured Training (saving mothers and babies)

MCH – Maternal and Child Health

MERN – Maternity Emergency Response Network

RI – Rotary International

TRF – The Rotary Foundation

VTT – Vocational Training Team

WHO – World Health Organisation