

MaatHRI

Maternal and perinatal Health Research
collaboration India



www.npeu.ox.ac.uk/maathri

November 2018

Maternal and perinatal Health Research collaboration, India (MaatHRI) is a UK-India collaboration for maternal and perinatal health research. It is a collaboration between University of Oxford (National Perinatal Epidemiology Unit, Nuffield Department of Population Health) and 15 government and private hospitals across four states in India.

Aims

- MaatHRI aims to create a large and diverse platform for clinicians and scientists to conduct large-scale epidemiological research to improve maternal and perinatal health in India.
- The collaborative platform will also be a training platform for students and early career researchers.



Collaborators meeting in Guwahati, Assam to launch the project in June 2018

- MaatHRI project is approved by the Indian Health Ministry's Screening Committee who has advised to fast track the project and report the research outputs regularly to the Maternal and Child Health Division of the Ministry of Health and Family Welfare.
- MaatHRI Data Safety Monitoring Board (DSMB), constituted of independent experts and clinicians (not involved with the project), monitors participant safety and confidentiality, data safety and confidentiality, participant recruitment and informed consent, and other ethical requirements. First DSMB meeting was held in October 2018 which approved the start of the project.



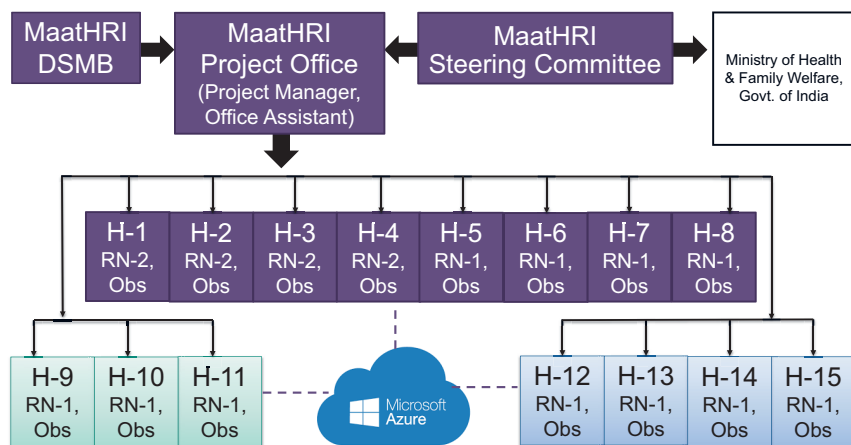
11 hospitals in Assam

- Assam Medical College and Hospital
- F.A.A Medical College and Hospital
- Gauhati Medical College and Hospital
- Jorhat Medical College and Hospital
- Tezpur Medical College and Hospital
- Silchar Medical College and Hospital
- Nagaon civil hospital
- Lakhimpur district hospital
- Dhubri civil hospital
- Goalpara civil hospital
- Makunda Christian Leprosy and General Hospital

1 hospital in Meghalaya (Nazareth hospital, Shillong)

1 hospital in Uttar Pradesh (Institute of Medical Sciences, Banaras Hindu University, Varanasi)

2 hospitals in Maharashtra (Kasturba hospital, Mahatma Gandhi Institute of Medical Sciences, Sevagram, Wardha & Dr Sushila Nayar hospital, Utawali)



MaatHRI work-streams

1. Survey of severe maternal complications in 15 public and private hospitals across India
2. Investigating heart failure in pregnant women with anaemia
3. Examining the safety of induction and augmentation of labour during childbirth in pregnant women with anaemia

RN – Research nurse, Obs – Obstetrician. H1- 8 government medical colleges, H9-11 private hospitals; H12-15 government district hospitals

Training and capacity building

An ethics committee was established at Srimanta Sankaradeva University of Health Sciences in Guwahati.

24 obstetricians, physicians, and nurses will be trained in November 2018 by experts from the University of Oxford to use hand-held echocardiography machines to scan the heart of pregnant women with suspected heart failure.

Training to collect and process blood samples was provided to all research nurses and some post-graduate students (in the medical colleges in Assam) by experts from the Lal PathLabs laboratory.

Current status

Research staff have been recruited in all participating hospitals except four district hospitals in Assam that will recruit in December 2018.

Data collection for Work-stream 1 has started in all hospitals, except 2 hospitals in Maharashtra. Plan is to start in all hospitals by the end of November 2018.

Data collection for Work-stream 3 has started in some hospitals. Plan is to start in 11 hospitals by the end of November 2018 and 4 district hospitals in the beginning of December 2018.

Participant recruitment and data collection for Work-stream 2 will start in the 13 hospitals that are taking part in the study by the beginning of January 2019.

20 staff employed through the project.

New evidence that this project will generate

Prevalence and trends of known and emerging complications during pregnancy.

Defining heart failure in pregnant women with anaemia to develop clinical guidelines for diagnosis and treatment.

Understanding the safety of induction and augmentation of labour in anaemic pregnant women to make childbirth safer.

Understanding the coagulation parameters in anaemic pregnant women to prevent the risk of postpartum haemorrhage.

Cost effectiveness of hand-held echocardiography machines in diagnosing heart failure in pregnant women.

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MaatHRI collaboration

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