

MaatHRI

Maternal and perinatal Health Research
collaboration India



www.npeu.ox.ac.uk/maathri

March 2023

Maternal and perinatal Health Research collaboration, India (MaatHRI) is a UK-India collaboration for translating evidence from new scientific discoveries to improve clinical care for mothers and children. It includes 16 hospitals across 6 states in India.

Research project updates

Workstream-1 (repeated monthly survey of severe maternal complications):

We have information on the incidence and case-fatality of nine severe pregnancy complications related to about 400,000 hospital births collected since August 2018.

Workstream-2 (case-control study of heart failure in pregnant women):

Until February 2023, we recruited 403 cases of suspected heart failure and 931 controls.

Workstream-3 (prospective study of safety of induction and augmentation of labour in pregnant women with anaemia in relation to postpartum haemorrhage):

Until February 2023, 9072 participants have been recruited.

We are delighted to have exceeded the target!

MaatHRI featured in the Srimanta Sankaradeva University of Health Sciences newsletter

An article on MaatHRI and its contribution to research and training in India was published in the newsletter, along with a mention in the address from the Vice Chancellor, Prof (Dr) Dhruva Jyoti Borah, Srimanta Sankaradeva University of Health Sciences, Assam, India.



Congratulations to our collaborators in India who presented the MaatHRI work at scientific conferences

Professor Saswati Sanyal Choudhury presented at the 65th All India Congress of Obstetrics and Gynaecology, Kolkata.



Dr Vijay Anand Ismavel presented at the Medicine Annual Conference at Christian Medical College, Vellore

MAATHRI- Collaborative project of SSUHS with University of Oxford, UK

Conference, Goa, 28-29 May 2022

Maternal and perinatal Health Research collaboration, India (MaatHRI) is a UK-India collaboration for maternal and perinatal health research. It is a collaboration between 15 hospitals in India and the University of Oxford, Srimanta Sankaradeva University of Health Sciences (SSUHS), Assam, is one of the main collaborators, which coordinates six Government Medical Colleges in Assam. The project started in September 2017 and builds on a successful collaborative pilot work conducted in 2014. MaatHRI aims to improve the health and wellbeing of pregnant women and babies in India. It includes a capacity building component through which training programmes are conducted for clinicians and academics in India. MaatHRI website: <https://www.npeu.ox.ac.uk/maathri>

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scope to use the MaatHRI data to understand the prevalence and impact of haemoglobinopathies on pregnancy.

Day-2 started with a message from Prof Dhruva Jyoti Borah, Vice Chancellor, SSUHS, which was read out by Prof Rama Kanta Ishikdar, Principal, JMI. It was an important message to focus on review, introspection, expansion and necessary course correction for MaatHRI at a key juncture - transition from Phase-1 to 2. Suggestions were to expand the work to include more research on non-communicable diseases that affect maternal and perinatal health in India.

Updates are published monthly on the MaatHRI website

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Welcome

A warm welcome to Roshan Karthikappallil, a 5th year medical student at the University of Oxford, who has joined the MaatHRI team as an academic visitor with the aim of developing his statistical and epidemiological skills, alongside gaining valuable research experience. He will be analysing the effect of Tranexamic acid (TXA) on change in D-dimer in postpartum women. TXA is recommended as part of the management for postpartum haemorrhage.



Perinatal Mental Health Study (PMHS)



PMHS is in Phase 2 and is being conducted at two study sites: Dr Rajendra Prasad Government Medical College (DRPGMC), Himachal Pradesh, and the National Institute for Mental Health and Neurosciences (NIMHANS), Bengaluru, Karnataka. We are validating a number of screening tools for common mental disorders including depression and anxiety in Hindi and Kannada among perinatal and non-perinatal women. In future, these screening tools will help to identify women with mental disorders so that they can be supported from an early stage. At a recent visit to the study sites, Gracia Fellmeth (PI) met with the teams who are doing a fantastic job of recruiting and interviewing women.



DRPGMC team – from left to right: Ms Diksha Sharma, Dr Anita Thakur, Dr Vikesh Gupta, Dr Gracia Fellmeth, Professor Ashok Verma, Professor (Major) Sukhjitt Singh



NIMHANS field team – from left to right: Shreyash Chhajed (research assistant), Gracia Fellmeth (PI), Neha Gupta (research assistant), Chandrakant R (research assistant) at Maternity Home in Bengaluru

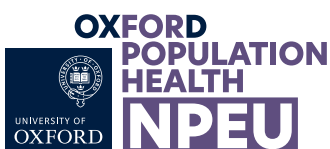


While our MaatHRI team continues to work hard completing participant recruitment and data entry, there is always time for an informal get-together.

From left to right: Project Manager, Rupanjali Deka; Research nurses – Manisha Das, Dipti Talukdar and Masuma Akthar Laskar

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