

# Maternal, obstetric and perinatal outcomes of pregnancies complicated by socio-demographic, medical, surgical or intrapartum risk factors

## Research Project Overview

<b>Project title:</b>	<b>Maternal, obstetric and perinatal outcomes of pregnancies complicated by socio-demographic, medical, surgical or intrapartum risk factors</b>
<b>Project duration:</b>	8 weeks ( Up to 36 hours per week)
<b>Description:</b>	<p><b>Field of research:</b> Perinatal Health  <b>Type of research:</b> Secondary data analysis, data-linkage studies</p> <p><b>Research program overview:</b> Students will be supervised by Professor Sailesh Kumar and be based at the Mater Research Institute—University of Queensland (MRI-UQ). Strongly aligned with the National Health and Medical Research Council (NHMRC) Stillbirth Centre for Research Excellence (CRE) the research team is ideally positioned at the largest maternity hospital within Australia (delivering over 10 000 births per year), and featuring the largest Neonatal Intensive Care Unit in Australia. This captured clinical data contributes to the Mater Perinatal Dataset.</p> <p><b>Project overview:</b> Multiple research projects are available under the broad umbrella of the research theme (Maternal, obstetric and perinatal outcomes of pregnancies complicated by socio-demographic, medical, surgical or intrapartum risk factors). The Mater Perinatal Dataset contains detailed socio-demographic, medical, surgical, prenatal ultrasound, intrapartum, and neonatal information relating to greater than 190 000 women. Students will each be given a specific research question relevant to high risk pregnancies. With the assistance of the research group's biostatisticians they will analyse the data, prepare relevant tables and figures and write the first draft of the manuscript under the close supervision of Prof Kumar. The aim is for each student to submit a first author publication to an appropriate journal.</p> <p><b>Project objectives:</b> To investigate socio-demographic, medical, surgical and intrapartum risk factors predisposing to adverse maternal and perinatal outcomes.</p>
<b>Expected outcomes and deliverables:</b>	Scholars will gain experience in data collation and interrogation in a tertiary hospital environment. Research will be supported by a multidisciplinary team including Specialist Obstetrician/Gynaecologist, GPs, Midwives, and Fertility-Awareness teachers. The student will gain insight into current fertility awareness methods and restorative reproductive medicine. Expected research findings will be novel, with the aim of producing a written report as the basis for a peer-reviewed publication. There may be the opportunity for findings to be presented at a clinical/research conference.
<b>Suitable for:</b>	Students with an interest in perinatal clinical research currently studying a medical degree. Some statistical skills would be helpful but are not essential as all analyses will also be performed by a biostatistician attached to the research group.
<b>Primary Supervisor:</b>	Professor Sailesh Kumar
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