**UQ NMSW 2021 Winter Research Project Description**

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| **Project title:** | **Device-associated harm in paediatric healthcare: a meta-analysis of observational studies** |
| **Project duration:** | 4 weeks |
| **Description:** | **Background:** Medical devices, such as urinary catheters and vascular access devices, are vital components of healthcare provision. However, our practices surrounding how we select, insert, manage these devices can cause harm. The prevalence of this harm, on a global scale, has not been approximated.**Aim:** To identify the harm associated with common, temporary, invasive devices in paediatric healthcare.**Design:** Meta-analysis of observational studies (MOOSE) to estimate the proportion and incidence of harm associated with device insertion (e.g., trauma) and dwell (e.g., infections).  |
| **Expected outcomes and deliverables:** | The scholar will work with a team of interdisciplinary clinicians based at the Queensland Children’s Hospital. Within this project the scholar will gain skills in data extraction, critique and meta-analysis. They will also contribute to the development of a peer-reviewed manuscript and be part of discussions identifying opportunities for future trials. At the conclusion of the program they will be expected to present a summary of their work, suitable for inclusion in the publication.  |
| **Suitable for:** | This is open to applications from students studying a healthcare specialty at UQ, preferably in the final year of their studies. Any previous expertise in literature review and data extraction would be advantageous, but not essential. |
| **Primary Supervisor:** | Professor Amanda Ullman |
| **Further info:** | Please feel free to contact me if you have any questions regarding the suitability of your skills for this project. a.ullman@uq.edu.au |