



Project Title: Air travel and antimicrobial resistance: The role of airlines in the prevention and control of international circulation of communicable diseases and resistant-organisms		Code: SNS3
Host School / Institute: Sydney Nursing School	Address: Westmead Institute for Medical Research (WIMR) 176 Hawkesbury Road, Westmead NSW	
Certificates & Clearances required: No		
Primary Supervisor: Prof Ramon Shaban		
Phone: 02 8627 3117	Email: ramon.shaban@sydney.edu.au	
Co-Supervisor/team: The summer scholar will be working under direct guidance of the supervisor, two senior research officers (SRO) and one research affiliate. One particular SRO (Dr Cristina Sotomayor-Castillo), will be assign to directly guide and assist on the daily development of this research proposal as well as organising any relevant activity that will benefit the scholar's experience while becoming part of this research team (infection prevention and control focused). The research team is a multidisciplinary team of nurses, doctors and veterinarians, with proven expertise on infection prevention and control, surveillance, applied qualitative and quantitative research and applied genomics.		
Project Type: Observational; Descriptive research		
Project Category: Public Health		
Skills / Attributes of a successful student:		
<ul style="list-style-type: none"> - Active logistics coordination for actions conducted within the defined project off and on-field - Efficient data collecting skills by means of basic database management (excel, SPSS) - Effective and accurate record management system that is accessible by the project's team and ensures project data integrity, confidentiality and the safe storage of all types of records and files. - Familiar with preparing reports and evaluations - General pro activeness and team awareness 		
Project Keywords: air travel; communicable diseases; antimicrobial resistance; infection prevention and control; microbiology		
<p>Project Description: Air travel has never been easier, cheaper or safer. Low airfares and a series of social and economic factors have made global air travel popular, with unprecedented volumes of passengers moving from one side of the world to the other in 14 hours. This speed, accessibility, efficiency and volume of air travel brings with it the challenges for the spread of infectious diseases.</p> <p>Numerous outbreaks of infectious diseases associated with the movement of humans via air or other forms of travel have been documented including epidemics such as Ebola, Influenza and Middle East Respiratory Syndrome Coronavirus (MERS-COV). The current increase of measles-related headlines worldwide are reminders of the role that infected travellers play on globally spreading this illness.</p> <p>There is a well-established body of global literature and research addressing airline passengers' health and wellbeing that focuses predominately on preventing and ameliorating the effects of oedema, jet lag and most notably venous thromboembolism (VTE). Yet, by comparison, there is a dearth of research on infection control and prevention of infectious diseases associated with air travel, with little of this appearing to have been translated to available passengers' health information within airline magazines and airlines' websites. This proposal aims to examine the content of official websites from the three main global airline conglomerates for official passenger health and wellbeing information regarding infection control and prevention of communicable diseases, as part of an existing broader program of research into the role aircraft play as vectors for the spread of communicable diseases and multi-resistant organisms.</p>		