

Phnom Penh, Cambodia

Working in the capital of Cambodia, the INP is partnered with two public hospitals, Calmette Hospital and Khmer Soviet Friendship Hospital. Both institutions are managed by the Ministry of Health and funded by both Cambodian and French Governments.

Calmette Hospital— Each unit has a varying size. Current partnerships include ED, ICU-A, ICU-B, CCU, Neuro ICU, and three Oncology units.

Khmer Soviet Friendship Hospital (KSFH)—Each unit has a varying size. Current partnerships include ED, MICU, SICU, CCU and Oncology ICU.

Projects:

1. Program Evaluation— the INP conducts needs-based education and training programs for their Cambodian partners. These classes work to improve nursing capacity through bedside training, classroom learning, and implementation of quality improvement projects. The INP has evaluated its impact on UWMC participating nurses however, and is looking to build and conduct a program evaluation of their efficacy of improving nursing capacity for their partners. This project will include working with the INP and Cambodian partners to:
 - a. Build program evaluation
 - b. Build pathway to evaluate patient outcomes
 - c. Implement program evaluation, IRB approval, data collection
 - d. Data analysis and program evaluation write up
2. QI Standardization—working with Calmette Hospital and KSFH to standardize care across the institution. This includes the development and implementation of the following:
 - a. Standard of Care Document
 - b. Nursing daily schedule
 - c. Structure to develop policy and procedure
3. QI Mechanical Ventilation Management—working with Calmette Hospital and KSFH to standardize their management of mechanically ventilated patients. Project will include the following:
 - a. Development and implementation of a mechanical ventilation needs assessment
 - b. Development of QI project for improving MV management and standardization across the institutions
 - c. Working with Local MV Committees to build and implement policy/procedures for MV management

Can Tho, Vietnam

Working in the Southern region of the Mekong Delta Region, Can Tho General Hospital and the Oncology Hospital are the only publicly funded hospitals that services the southern region. Both institutions are funded by the ministry of health and the only access to care for millions of poor Vietnamese citizens.

Can Tho General Hospital—Currently we are partnered with a medical and surgical ICU. Their medical ICU has a fixed number of beds while the surgical ICU takes all overflow patients with high patient to nurse ratios.

Oncology Hospital—Currently we have established this partnership. They are the only oncology services offered for this region. We have collected the needs assessment survey's, working through data analysis and a recommendation for capacity building.

Projects:

1. Can Tho Hospital Program Evaluation— the INP conducts needs-based education and training programs for their Vietnamese partners. These classes work to improve nursing capacity through bedside training, classroom learning, and implementation of quality improvement projects. A local physician at Can Tho General Hospital has been collecting infectious disease data in the ICUs and has requested we help develop a study to evaluate the impact of nursing training and education on patient outcomes. This project will include working with the INP and Vietnamese partners to build a program evaluation and includes:
 - a. IRB application
 - b. Developing Study Design
 - c. Implementing program evaluation
 - d. Data analysis and program evaluation write up
2. Oncology Training Program Curriculum—this past fall the INP conducted a needs assessment of the Oncology Hospital that included the implementation of a four part tool. Through analysis of this data we have an outline for nursing education, training, and practice improvements needs. Next steps are to design an evidence and needs based curriculum for the Oncology Hospital nursing staff. Project will include the following:
 - a. Review of needs assessment
 - b. Meeting with key stake holders to solicit buy in for training/education nursing program
 - c. Work with partners to design a culturally and clinically appropriate education/training curriculum that is based on current available resources

Nepal

Tribhuvan University Hospital (TU) in Kathmandu Nepal is a non-profit teaching hospital associated with the oldest university in Nepal. As a teaching hospital, it provides exceptional training ground for students as well as a major impetus for biomedical and health sciences research in Nepal. Faculty within the hospital are looking for a way to start a Masters in Nursing in Critical Care. In anticipation of this monumental journey, the creation of the Critical Care Nursing Association of Nepal (CCNAN) came into being in 2016. This is an organization that sponsors a 3-month certificate program for ICU nurses and teaches essential critical care skills and is already recognized by the Nepal Nursing Council.

Projects:

1. Program Evaluation— The CCNAN has asked the INP to provide the services of a formal training certificate program evaluation. The course has been completed 3 times; however, they have no formal metric for determining the impact of the course among participants.
2. *Research Question:* what is the influence of formally acquiring critical care education and skills and how far does the scope of learning extend into an individual's practice after course completion?
 - a. While each participant is required to pass an examination that includes both a knowledge and skills assessment; there is still no determination of the courses' bearing on their nursing practice and home institution after completion. The CCNAN so far has not revisited the hospitals to determine knowledge and skill retention of topics taught during the course.
3. The INP nurses will provide feedback and recommendations regarding improvements to the training program on such topics as content for lectures, case studies, examination questions, and simulation material as well as feedback regarding teaching style and overall course management. The INP nurses will also help develop an impact assessment to evaluate the effectiveness and the impact of the educational measures in a systematic way.

The INP will provide a training evaluation which will identify factors that restrain or contribute to better performance of the trained nurses and suit the training actions and needs of the CCNAN.