

Impetus for Collaboration: Duke School of Nursing (DUSON)

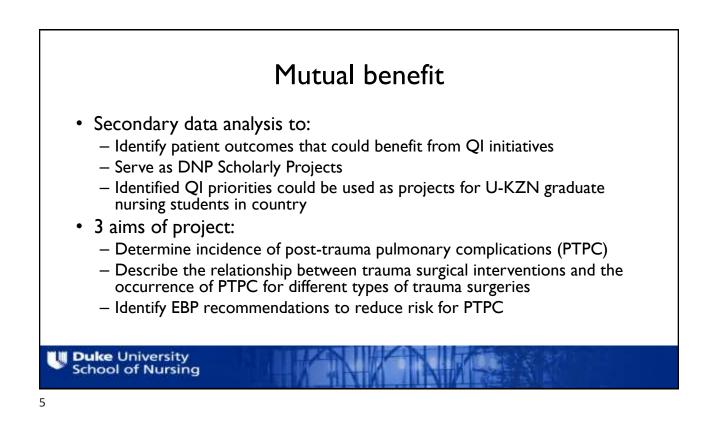
- BSN to DNP Student Scholarly Projects
- Sites and ideas for Projects
- CRNA program move to DNP exit in 2016
 - Unique needs: finding project ideas and site related to surgical care
 - Timetable for project and high clinical hours requirement (2000+)

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- High trauma burden in South Africa
- Hybrid Electronic Health Record built by trauma surgeons
- Need for increased knowledge/skills in QI and data analytics





DNP Essentials

- IV: Information Systems/Technology and Patient Care Technology for the Improvement and Transformation of Health Care
- III: Clinical Scholarship and Analytical Methods for Evidence-Based Practice
- VI: Inter-professional Collaboration for Improving Patient and Population Health Outcomes

Planning for Student Project Structure Faculty with: Secondary data analysis expertise Clinical expertise (critical care/trauma) Team Project: 3 students for each trip Ist cohort: 3 CRNA students 2nd cohort: 2 CRNA Students, Ipost-masters Acute Care NP 3rd cohort: 3 CRNA Students Travel to South Africa in 4th semester of DNP course work

Objectives of trip to Durban, South Africa

- SON Faculty travel with students
- Visit Grey's Hospital and meet with creators of HEHR
- Development of data dictionary to meet project aims
- Queries regarding uncertain data fields
- Better understanding of care milieu, challenges
- Health care system resources
- Cultural activities

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Collaborative Activities

- Day Long Workshop at U-KZN: "Using Data Science to Effect Health Care Changes"
- Collaborative activities with U-KZN faculty, students and staff regarding data analytics for QI
- Results of first data analysis basis for QI projects that would reduce PTPC at Gray's Hospital
- Faculty travel

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Preparation for trip and post-trip

- Scholarly Project proposal developed and approved
- Successful proposal defense
- Data coding activities
- Data analysis
- Manuscript development

9



Support for Global Student Projects

- DUSON Office of Global and Community Health Initiatives (OGACHI): MOU
- Student registers for N974 DNP Scholarly Project Global
- Academic Fee attached to course to pay for student travel expenses
- OGACHI makes travel arrangements, pre-trip logistics meetings and cultural humility guidance
- Pre-trip required readings



- Pereira, K., Goode, V., Brysiewicz, P. (2019). Using clinical data to effect practice change. International Emergency Nursing, 46. <u>https://doi.org/10.1016/j.ienj.2019.100809</u>
- Manuscript submission peer reviewed journal
- Conference presentations:
 - Trauma Society of South Africa 2nd National Cape Town International Conference, 2019
 - AACN Doctoral Conference, Naples, FL, 2020.







