Mar 9th, 8:00 AM

Neonatal Resuscitation and Quality Improvement initiatives at Hopital St Nicolas de Saint Marc, Haiti

Deborah O'Dowd
Worcester State University

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Neonatal Resuscitation and Quality Improvement Initiatives at Hôpital St Nicolas de Saint Marc

Deborah O’Dowd BA, RN, CCRN

OBJECTIVES
• Provide skills workshops in neonatal resuscitation
• Mentor Haitian nurses through the Quality Improvement (QI) process with the goal of eventual development and implementation of their own independent projects
• Provide a strong foundation in QI methodology giving nurses the tools necessary to develop and implement their own QI initiatives

IMPACT/SIGNIFICANCE
• Haiti has one of the highest infant mortality rates in the Americas at 52.2 per 1,000 live births as compared to 12.5 per 1,000 live births in the Americas as a whole
• Providing advanced education to Haitian nursing staff in the care of neonates is vital to improving the outcomes of this patient population
• Systems and quality gaps are the major contributors to poor maternal and neonatal outcomes. Haiti currently has no standardized practices/protocols in place through the Haitian Ministry of Health

METHODS
• In collaboration with Partners in Health, a skills workshop in neonatal resuscitation was offered at Hôpital St Nicolas de Saint Marc
• Provided a workshop to introduce a QI methodology, specifically the PDSA (Plan/Do/Study/Act) cycle

CONCLUSION/NEXT STEPS
• Neonatal resuscitation skills/knowledge assessed before and after training were improved
• Follow up trip to Hôpital St Nicolas de Saint Marc planned for October 2017
  o Activities will include:
    - Assess retention of quality improvement methodology
    - Conduct a second multi-disciplinary QI workshop
    - Provide additional neonatal resuscitation classes

SUMMARY
• Understanding the evidence based science behind maternal and newborn care delivery and resuscitation is essential to improving infant mortality rates in under-resourced areas
• Understanding quality improvement project design, implementation and measurement matrices is essential to facilitating successful change in practice

NEONATAL RESUSCITATION: PRE/POST TEST PER TRAINEE

Pre-test score %  Post-test score %
0%  20%  40%  60%  80%  100%
1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16

Pre-tested vs Post-tested scores per trainee

Partially supported by a Boston Children’s Hospital travel grant