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2

Problem Identification

Stakeholders in healthcare have struggled to address the gaps and chasms in healthcare delivery.

Leadership is a cardinal nursing competency necessary to increase quality, access, and value in healthcare.

A survey from the Montana CAHN (2017), along with several national studies (IOM, 1999; IOM, 2011; McAlearney, 2008; RWJF, 2018), conclude there is a need for nursing leadership to improve quality in rural healthcare across the United States.



Problem Significance

Montana was ranked 30th in the nation for healthcare quality (AHRQ, 2016). For persons living in rural settings, the gap in safety and quality in healthcare continues to widen (Robert Wood Johnson Foundation, 2018).



Project Goal

5

The purpose of this **quality improvement** scholarly project was to **pilot** an online nurse leadership education program for nurse managers working in rural critical access hospitals (CAHs) in Montana. The educational leadership program selected was titled *Nursing Leadership: Empowering Nurses in Latin America and the Caribbean* from the Pan American Health Organization (PAHO) (2017). School of Nursing & Human Physiology



The QI potential:

- The PAHO leadership education program holds the potential to enable nurse managers to:
 - Advance their abilities to proficiently function as organizational leaders.
 - Engage in approaches to problemsolve and improve patient safety and quality in CAHs in Montana.

6

Project Aims: 1) Measure leadership knowledge. 2) Assess and explore demographic data. 3) Measure perceptions of leadership. 4) Evaluate participant satisfaction of the online leadership education program.



Litero	iture Appraisal	9
American Nurses Association (ANA)	The public has a right to expect registered nurses to demonstrate competence in professional practice and leadership and believes that leadership competencies can be defined and measured (ANA, 2013).	ANA
Nurse Leadership Education Program	These competencies were used as a benchmark for choosing a leadership training program for this project.	AMERICAN NURSE Association
Michele Scre, DN	, MDN, BN - 2019 MT CANN Leadenthp Summit	















Methods - Design

 The design was a pilot quality improvement (QI) education project that used an open source, evidence-based, online nurse leadership course.

- Participant knowledge, learning, perceptions, demographics, and
- satisfaction were analyzed using mixed-method studies from three surveys.

 The PAHO course was comprised of eight leadership modules with various teaching strategies to enhance and promote learning.

17

Design...

 The course was self-paced and asynchronous, could be completed in any time configuration appropriate for individual participants, and was housed online through the PAHO Virtual Campus of Public Health.

 Email reminders were sent each week and informational videos were posted on a website developed to keep participants actively involved in the program (Riley & Schmidt, 2016).

The total learner's time commitment for this program was 40 hours.

18

Methods - Ethical Considerations

- Approved by Gonzaga University's Institutional Review Board (IRB).
- The PAHO nurse leadership course was free of charge & open to all participants.
- There were no institutional or personal financial commitments from the participants, or conflicts of interest.
- Participants chose a uniquely coded identifier to maintain confidentiality.
- Participants were not obligated to report pre or posttest results.

Ethical Considerations... Confidentiality and privacy were maintained by the project lead who kept the participant list separate from deidentified names. No individual results were/will be published, only aggregate data. Participation was voluntary, and participants could withdraw at any time. There was no reimbursement for participation or for completing the course and surveys. As a reward for program completion, participants received 32 free contact hours through the Montana CAHN.

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21

Participants

- A convenience sampling of nurse managers working in Montana CAHs.
- Inclusion criteria:
 - Currently working in a management position such as Directors of Nursing (DON), Assistant Directors of Nursing (ADON), and/or as charge nurses.
 - Nurse managers included licensed practical nurses (LPNs) with a diploma or certificate or registered nurses (RNs) with either a Graduate (MN), Bachelor (BSN), or Associate (ADN) degree in nursing.
 - Active unencumbered Montana license.
 - Currently practicing in a Montana CAH.
 - Speak and write English.
 - No exclusion criteria were specified.





Table 3: Pretest Scores	s of Three Participants Compared	to Their Posttest Scores
Pretest Score	Posttest Score	Percent Improvement
65%	91.25%	26.25%
58%	93.75%	35.75%
64%	95%	31%































Project Limitations

- Project did not ask if participants had access to other leadership education.
- This project is limited to Montana nurses working in CAHs in management positions.
- As a QI pilot project, there are no comparisons available and there is no evidence-based work with which to compare these findings.
- Unable to compare pre and posttest data.

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Evaluation of Outcomes

diverse and unspecified.

working in rural CAHs across Montana.

This QI study affirms the findings from the Montana CAHN

Definitions of leadership among this nursing cohort are

readily available, enduring, no-cost program to help Montana's nurses learn leadership competencies.

2017 Leadership Rapid Response Survey, December 2017; there is a gap in leadership education for nurse managers

The PAHO course – aligned with the ANA competencies - is a



Looking to the Future Recommendations

- A future QI study would benefit from improved standardization for how data are reported.
- A computer literacy prerequisite course would enable greater ease of course access and navigation.
- Recommend access to appropriate technology and upgrades for Montana's rural healthcare settings.



46

Recommendations 2

- Recommend a standardized system for security applications for CAHs – perhaps a software program that is cost-appropriate and has 24/7 tech support.
- Recommend the course include a dedicated contact person.
 - These barriers are external to the PAHO program.
 - The program itself is easy to access and complete.





Recommendations 3

- It will benefit Montana's nurses to learn and adopt a common understanding and language around leadership as we continue to seek better ways to create and measure quality in healthcare.
- The ANA's three domains of leadership competence serve as a credible framework from which Montana nurses can grow their leadership practice.



Looking to the Future Research

- A future duplicated QI study could include more participants (& include pre and posttests + statistical analysis).
- A future study to assess access to leadership continuing education, why courses are/are not accessed.
- A future study to assess why leadership education is not viewed in the context of a professional development requirement.
- An empirical study that assesses the link between nurse leadership education, leadership competencies, and patient outcomes.



Research 2

- A QI study to assess why leadership competency is not a criterion for holding leadership positions in Montana's CAHs.
- A study to understand why leadership models & theories (e.g., ANA model) are/are not employed.
- A study to assess what leadership competencies are being taught in schools of nursing and by those providing continuing education.



50

Sharing the Work

Dissemination Plan:

- RNO Journal Submission Fall 2019
- MT Leadership Summit June 2019 (abstract submitted/accepted)
- Montana CAHN Leadership
 Council project summary
- Dr. Cassiani, PAHO project paper

49



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53



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