University of Missouri, St. Louis IRL @ UMSL

UMSL Graduate Works Dissertations

4-17-2017

The Acute Care Pediatric Nurse Practitioner in Missouri: An Analysis of Needs Assessment

Jessica L. Mann University of Missouri-St. Louis, jlm9559@bjc.org

Follow this and additional works at: https://irl.umsl.edu/dissertation



Part of the Critical Care Nursing Commons, and the Pediatric Nursing Commons

Recommended Citation

Mann, Jessica L., "The Acute Care Pediatric Nurse Practitioner in Missouri: An Analysis of Needs Assessment" (2017). Dissertations.

https://irl.umsl.edu/dissertation/652

This Dissertation is brought to you for free and open access by the UMSL Graduate Works at IRL @ UMSL. It has been accepted for inclusion in Dissertations by an authorized administrator of IRL @ UMSL. For more information, please contact marvinh@umsl.edu.

The Acute Care Pediatric Nurse Practitioner in Missouri: An Analysis of Needs Assessment

Jessica L. Mann, CPNP-AC
MSN, Pediatric Critical Care Nurse Practitioner, University of Pennsylvania, 2007
BSN, Nursing, University of Missouri-Columbia, 2003

A Dissertation Submitted to The Graduate School of the University of Missouri-St. Louis in partial fulfillment of the requirements for the degree Doctor of Nursing Practice

May 2017

Advisory Committee

Susan L. Dean-Baar, PhD, RN, FAAN
Cynthia Vishy, MSN, RN-BC
Laura L. Kuensting, DNP, APRN, PCNS-BC, CPNP, CPEN

Table of Contents

Abstract2
Introduction4
Problem Statement4
Purpose4
Background5
Literature Review8
Method11
Design11
Survey Development12
Results
Survey12
Current AC PNP Programs14
AC PNP Curriculum Development14
Conclusion
References
Appendix A PNP Survey21
Appendix B UMSL IRB Approval24
Appendix C Acute Care PNP Programs Reviewed25
Appendix D Acute Care PNP Curriculum26
Appendix E Pediatric Acute Care NP Emphasis Area Standards30

Abstract: Introduction: Due to an increasing number of acutely ill pediatric patients and changing healthcare demands, there is an even greater need for nurse practitioners (NPs) to work in the area of pediatric acute care (AC). There is a lack of alignment of education and certification with the scope of practice of the AC Pediatric Nurse Practitioner (PNP). The development and implementation of a graduate level AC PNP program in Missouri will support the alignment of education, clinical training, and certification with the scope of practice of the AC PNP and improve access to a quality program for nurses that currently live in the Midwest. This program will prepare evidence-based NPs to become leaders in the field of pediatric AC and to provide quality care to acutely ill children.

Method: A literature review and thorough analysis of a needs assessment survey of NPs in St. Louis (112 respondents) were performed.

Results: The survey showed that 69% of primary care (PC) PNPs work in an area that could be considered an area of AC. Twenty-two percent of the PC NPs would return to school within five years to receive their AC PNP certificate. When asked, "What would have made you feel more prepared to take on your first role as a new NP," there was a theme among some of the replies. Interestingly, some of the respondents stated that they would have chosen an AC program for study had one been available or feasible for them to attend.

Discussion: As a result of the survey and needs evaluation, an AC PNP program

was developed. This program will provide a supply of AC PNPs to meet the needs of Missouri and the surrounding region. Furthermore, this will align the AC PNPs education and certification with the scope of practice.

Introduction

Problem Statement

Due to an increasing number of acutely ill pediatric patients and changing healthcare demands and constraints, there is an even greater need for nurse practitioners (NPs) to work in the area of pediatric acute care. In the state of Missouri, there is a lack of alignment of education and certification with the scope of practice of the acute care pediatric nurse practitioner (AC PNP). NPs that currently practice in pediatric acute and critical care are often trained through a primary care (PC) pediatric NP program. All NPs are prepared to care for patients that are acutely ill; however, PC and AC PNPs are prepared at different ends of the continuum, thus leading to a gap between formal education and actual clinical practice. It has been identified that an AC PNP graduate level program should be developed here in St. Louis to bridge that gap. Specifically, this project will focus on addressing the problem of the lack of local AC PNP programs. The development and implementation of a graduate level AC PNP program in Missouri will align the education, clinical training, and certification with the scope of practice of the AC PNP and improve access to a quality program for those nurses that currently live in the Midwest. This program will prepare evidence-based NPs to become leaders in the field of pediatric acute care and to provide quality and safe care to acutely ill children.

Purpose Statement

The purpose of this project is to develop an AC PNP program in the state of Missouri that will offer the educational preparation necessary for pediatric NPs to

practice in an acute care setting by aligning their education, certification, and scope of practice.

Background

The AC PNP is a registered nurse who is masters and/or doctorally prepared to meet both the physiologic and psychological needs of infants, children, adolescents, and young adults with acute, critical, and complex chronic health conditions (National Association of Pediatric Nurse Practitioners [NAPNAP], 2011). The levels of acute and complex healthcare needs for the pediatric population along with the advancement of technology continue to increase and therefore, the demand for healthcare professionals from varying educational backgrounds such as the AC PNP is expected to grow.

As the rise in demand for AC PNPs caring for acutely ill children and their families continues, professional certification validating competence is essential for their practice. Concerns for patient safety and lowered overall satisfaction with care have led many hospitals to use AC PNPs as a solution to the physician work hour limitations. However, a lack of accessible specialized training could jeopardize the ability of AC PNPs to embrace this opportunity. The National Organization of Nurse Practitioner Faculties (NONPF, 2013) has developed "population-specific core competencies that serve as the foundation for NP education and entry level into practice" (p. 5). This document states that "formal educational preparation and corresponding NP certification should be the key determinant of NP scope of practice" (NONPF, 2012, p. 1). Some states require adherence to these regulatory standards that require NP licensure to be determined by graduate level education, reflecting both didactic knowledge and clinical competency

skills unique to an advanced practice role (National Council of State Boards of Nursing [NCSBN], 2003) and certification related to that role.

One barrier to expanding NP practice in the AC PNP role is the limited number of AC PNP programs and faculty in the United States (U.S.). More than 30 AC PNP programs exist in the U.S., but unfortunately, these programs are unevenly distributed. Because of the limited accessibility to some of these programs, many AC PNPs who are trained by primary care programs are practicing in acute care roles; which should be a practice that is discouraged. As of 2012, only three states—Texas, Maryland, and Arizona—required alignment of NP education, certification, and clinical practice. The Texas State Board of Nursing, rule 221.12, stated that education, certification, and clinical practice all must align to practice as an NP in the state (Texas Board of Nursing, 2010). It is expected that more states will follow this recommendation and NPs should be prepared for this projected change (Sorce & Kline-Tilford, 2012).

"As a way to guide states to create consistency in the regulation of NPs, the Consensus Model for APRN Regulation: Licensure, Accreditation, Certification and Education was developed" (APRN Consensus Work Group & the National Council of State Boards of Nursing APRN Advisory Committee, 2008, p. 7). "APRN Regulation includes the essential elements: licensure, accreditation, certification, and education (LACE)" (p. 7). The APRN Consensus Model (2008) states that "preparation cannot expand one's scope of practice beyond the role or population focus" (p. 12). It also defines "NP practice, identifies the titles to be used, defines specialty, describes the emergence of new roles and population foci, and presents strategies for

implementation" (p. 5). Under this model, there are four roles that are given the title of advanced practice registered nurse (APRN): certified registered nurse anesthetist (CRNA), certified nurse-midwife (CNM), clinical nurse specialist (CNS), and certified nurse practitioner (CNP). "The APRN is educated in one of the four roles and in at least one of six population foci: family/individual across the lifespan, adult-gerontology, neonatal, pediatrics, women's health/gender-related or psych/mental health" (APRN Consensus Work Group & the National Council of State Boards of Nursing APRN Advisory Committee, 2008, p. 6). The APRN will be licensed to practice under one of the four APRN roles and within at least one of the six population foci. Most importantly, the model states that education, certification, and licensure of an individual must be congruent in terms of role and population foci.

In Missouri due to the limited number of certified AC PNPs, many employers appear to be unfamiliar with the distinction between the two specialties and the advantages that each role can offer. This leads to the hiring of primary care NPs to work within hospital settings. A survey by Reuter-Rice (2013) demonstrated a disproportionate number of NPs working without acute care certification. The few resources that exist in the way of published academic preparation, certification and nursing experience for the role of the AC PNP are largely based on small or single site centers (Fry, 2011; Reuter-Rice, 2013). Due to the limited research on recommendations for the AC PNP in practice, it is important to address the current evidence.

To minimize any risk related to breech in scope of practice for the employer, they are liable to hire and credential providers to perform only within the scope for which they are educated, certified, and licensed (Bolick et al., 2013). When looking to hire an NP with the greatest preparation in caring for pediatric patients, employers have two preparations from which to choose, primary care (PC) and acute care (AC). The distinction between PC and AC NPs was first described in the early 1990s (Genet et al., 1995; Uckan, Surratt, & Troiano, 1994). The professional organization and national consensus panels created distinctions between PC and AC NPs and helped determine the competencies for entry-level NP practice (Bolick et al., 2013). As defined by NONPF (2002), the PC NP incorporates principles of health promotion and protection, disease prevention, and treatment. On the other end of the continuum, the AC NP focuses on acutely ill patients experiencing episodic illnesses, exacerbations of a chronic illness, and/or end-of-life care (NAPNAP, 2011). The AC PNP graduate from a master's degree, DNP degree program or postgraduate certificate program is then eligible to sit for the CPNP-AC exam which validates entry-level knowledge of the graduate (Pediatric Nursing Certification Board [PNCB], 2006a; PNCB, 2006b). It would be reasonable to assume that NPs who pass the PNCB certification exam meet the core and specialty AC competencies developed by NONPF that address the areas within the scope of practice as outlined by NAPNAP (Percy & Sperhac, 2007).

Literature Review

Data on the utilization and scope of practice of the AC PNP has improved but is still lacking and essential to identify optimal use of the NP. There is a vast amount of

review articles that summarize the role of the AC PNP and also look at education and program development, orientation, and other emerging trends. After reviewing the literature, it is evident that a gap exists. Further research is necessary to validate the effectiveness of the AC PNP and to take it a step further by evaluating outcome measures. There also needs to be studies established looking at academic preparation for the AC PNP role and other factors that contribute to the success of the NP and then post orientation the success of integration into the acute care setting.

Research studies have been performed to examine the cost-effectiveness and safety of NP practice, but data specifically on the impact of NPs in the area of acute care is essential to identify optimal use of the AC PNP. Existing research has demonstrated the positive impact that NPs have on patient care in the ICU. Three studies have demonstrated that NPs provide safe and high-quality health care on par with a physician (Donald & McCurdy, 2002; Hopkins, Lenz, Pontes, Lin, & Mundinger, 2005; Mundinger et al., 2000). Other studies have determined that patient satisfaction with NP care matched and often exceeded satisfaction with physician care (Byrne, Richardson, Brunsdon, & Patel, 2000; Robin, Becker, Adams, Howard, & Roberts, 2004). These research articles do not provide current literature specific to the AC PNP. Priority should now be on the NP obtaining full scope of practice authority based on the evidence of NP effectiveness in numerous studies.

Years ago, prior to the initiation of AC PNP programs, primary care PNPs were hired that had acute care skills. Hospitals and intensive care unit physicians hired former pediatric intensive care unit nurses prepared in primary care NP programs and

trained them on the job for the acute care role. This then encouraged individuals to create AC PNP programs. Although the role of the AC PNP is now well established, the formal education for this role has been slow to develop. As with any new program, few educators had the knowledge and experience to develop these programs. The National Council of State Boards of Nursing (NCSBN, 2002) identified that the emphasis on the education for the NP must align with the certification examination and NP clinical practice of the NP. Some states require adherence to the standards that support the guidelines of the NCSBN. They mandate that the NP licensure is determined by graduate level education, reflecting both didactic knowledge and clinical competency skills (NCSBN, 2003). Currently, only the three states previously identified adhere to this recommendation. These regulatory bodies focus on these mandates to ensure that the NP is providing safe care. There is much overlap between pediatric primary and acute care and many variations in the type of education required of PNPs who practice in acute care settings.

As stated above, there is an uneven distribution of AC PNP programs throughout the United States. Many hospitals in the United States are recruiting to fill one or more AC PNP positions. As a solution to the significant demand, it is recommended that schools of nursing develop AC PNP programs in geographically underserved metropolitan areas (Bolick et al., 2012). The population of acutely ill children is continuing to rise at St. Louis Children's Hospital (SLCH), and a hospital expansion is in place to increase beds available to care for this medically fragile group. To increase the NPs to care for an expanding population of acutely ill children at SLCH, a local program

was needed. It is imperative to have the most skilled and educated team of providers to safely and effectively manage the care of these children. The University of Missouri-St. Louis (UMSL) College of Nursing was approached about forming a partnership with SLCH to develop and streamline the process. A plan was developed to establish an AC PNP program at UMSL to support the SLCH strategic goal to recruit currently employed ICU and other acute care RNs back to a local program to internally develop this specialized group of NPs. This program would support the workforce needs of the AC PNP across the St. Louis region.

Method

Design

The overall design approach was program development of an AC PNP program at UMSL, which already has a well-established graduate program model with five other NP tracks. The formation of the key stakeholder team or advisory committee included bringing professionals together with varied expertise including experienced AC PNPs, leadership from SLCH (including the VP of Nursing), and leadership from UMSL's College of Nursing (including the Dean and Associate Dean). The AC PNPs were considered experts in the field of pediatric acute care but had a limited knowledge base in curriculum development. The leaders at SLCH, especially the VP of Nursing, provided the projected need for AC PNPs as well as the knowledge base and support of how this program established in Missouri could impact the care of acutely ill children. Finally, the leaders at UMSL were experts in curriculum development, aligning the program with state and national guidelines and regulations, and overseeing the implementation of a

graduate level program. Together the team considered additional resources, mandatory requirements, any local dynamics, collaborators or competitors, and staffing concerns including educators, time commitment, finances, technology, and other materials.

To further support the need for an AC PNP program in Missouri, some additional data was gathered to assess situational awareness. An electronic survey was designed to analyze the demographics and needs of NPs currently practicing in the St. Louis area. An invitation to participate in the survey was distributed via email to all NPs at SLCH and Cardinal Glennon Children's Medical Center. The results of the needs assessment survey, along with a review of current AC PNP programs, and development of the AC PNP program curriculum will be addressed below in detail.

Survey Development

The first step in the development of the survey was to identify demographic information and possible questions relating to the PNP. The survey was reviewed by the key stakeholder team and modifications, deletions and additions were made. The final survey consisted of 17 questions and was grouped into four main topics: demographics (4 questions), graduate school experiences (5 questions), initial NP job-related experiences (4 questions), and AC PNP-related experiences (4 questions) (Appendix A). The UMSL's IRB reviewed and approved the project (Appendix B).

Results

Survey

The survey was emailed to 225 NPs. The response rate was 112 surveys (49.8%). Some of the questions asked included, "Current certifications held? Current practice

settings? The area you worked in prior to becoming a nurse practitioner? How prepared did you feel to take on your first role as a new pediatric nurse practitioner? How likely are you to go back to graduate school for your pediatric acute care certification?" The data was then transformed by filtering, comparing, and displaying the information to drive better decisions. Due to the design of the survey, it was hard to differentiate whether the NPs that were certified by the PNCB were PC or AC focused. Despite this, the survey did show that 69% of PC PNPs work in an area that could be considered an area of AC. Twenty-two percent of the PC NPs would return to school within five years, and 34% were undecided about returning to school to receive their AC PNP certificate. When asked, "What would have made you feel more prepared to take on your first role as a new nurse practitioner," there was a theme among some of the replies. Interestingly, twenty percent of the respondents stated that they would have chosen an AC program for study had one been available or feasible for them to attend. They believed that while an AC program would have been missing some of the valuable foundational elements that their PC program provided, it would have better prepared them for their current roles. Some of the responses included, "more acute care didactic, acute care training in school, more acute care education would have been helpful, and attendance at an acute care program, went to primary care." Lastly, the survey showed that those with less than five years of NP work experience were more likely to return to school for a post-graduate AC PNP certificate.

Current AC PNP Programs

Concurrently, a review of all the AC PNP programs in the U.S. was completed to demonstrate the key components of already established programs. The results showed there are 33 AC PNP programs with eleven programs located on both coast and 13 programs in the Midwest. Twenty-five of the programs offers a post-graduate certificate option with 17 of the programs requiring at least one to two years of nursing bedside experience prior to applying for entrance into the program. In addition, the curriculum content offered that is specific to AC PNP programs includes an acute care diagnosis and management course, an AC residency or clinical requiring somewhere between 600 and 765 hours, and a lifespan pharmacology course versus pediatric pharmacology. Nineteen programs offered lifespan pharmacology with five programs requiring both lifespan and pediatric pharmacology in the curriculum, and four programs just requiring pediatric pharmacology. The remaining five programs did not specify a particular pharmacology course. The review identified the educational preparation and clinical experiences in current AC PNP programs (Appendix C).

AC PNP Program Curriculum

Based on the PNCB recommendations, literature reviews, and review of the current AC PNP programs the AC PNP specific courses were developed. Five courses were developed that were consistent with the overall NP curriculum model at UMSL. These included Acute Child Health I and II Diagnosis and Management and Clinical Residency I, II, and III for Advanced Practice Nursing in Pediatric Acute Care (Appendix D). The content for the curriculum was designed using the standards recommended

from the AACN Scope and Standards for Acute Care Nurse Practitioner Practice (American Association of Critical Care Nurses, 2012) and the Pediatric Nursing: Scope and Standards of Practice (NAPNAP, 2008) (Appendix E). Drafts of the courses were reviewed and modified by the advisory committee. The didactic and clinical portion were developed to enhance the knowledge base of the student regarding the acute health care needs of children utilizing a system-based pathophysiology approach for chronic and episodic illness and injuries common to the pediatric population.

Conclusion

In conclusion, AC PNP practice has continued to develop and can meet the demands of the increasingly acute pediatric patient population. The AC PNP has the educational preparation and background in pediatric acute care specific knowledge to provide safe and effective care to this patient population. Advances, expansions, and contributions to these roles should continue to be studied. Research has documented that NPs play a critical role in the delivery of high-quality, cost-effective care. Additional studies need to be developed showing the benefit of the AC PNP and evidence of health care cost savings, decreased length of stay, decreased hospital-acquired complication rate, and readmission rates. Demonstrating these key outcomes will be vital to ensuring further recognition of the role of the AC PNP practice and that the NP is an essential member of the healthcare team that ultimately improves patient care outcomes.

Due to the survey results and evidence supporting the need for an AC PNP program, the decision was made to open the program at UMSL. The adoption of this AC PNP role and program will provide a more independent NP practice environment and

will effectively increase health care utilization and potentially reduce costs. Other implications for future research related to the AC PNP program include looking at success rate and satisfaction rate of NP students, the introduction of a post-graduate certificate program and assessing other patient outcomes about the AC PNP. The NONPF statement suggests that the NP be academically prepared and practicing within their scope of practice. NONPF continues to endorse the Consensus Model with an intention to provide guidance and share a common goal of quality patient outcomes. Each element of LACE plays an essential part in the implementation of the APRN Consensus Model, with patient safety a vital connection among the essentials of NP regulation. The NP should be prepared to care for patients based on their educational background, certification, and state licensure to promote populationfocused safe care. As a result, it is proposed that the state of Missouri require advanced practice nurse licensure to be determined by graduate level education, aligning both didactic knowledge and clinical competency skills to the advanced practice role and certification related to this role. This was all defined by the National Council of State Boards of Nursing in 2003. This transition will be further supported and made at ease by the development of the continuing education program at the University of Missouri, St. Louis, to provide a solid foundation for the nurse specializing in the AC PNP role.

References

- American Association of Critical Care Nurses. (2012). AACN scope and standards for acute care nurse practitioner practice. Retrieved from http://www.aacn.org/wd/practice/docs/acnp-scope-and-standards.pdf
- APRN Consensus Work Group & the National Council of State Boards of Nursing APRN

 Advisory Committee. (2008). Consensus model for APRN Regulation: Licensure,

 Accreditation, Certification & Education. Retrieved from https://www.ncsbn.org

 /Consensus_Model_for_APRN_Regulation_July_2008.pdf
- Bolick, B. N., Bevacqua, J., Kline-Tilford, A., Reuter-Rice, K., Haut, C., McComiskey, C. A.,
 & Verger, J. T. (2013). Recommendations for matching pediatric nurse
 practitioner education and certification to pediatric acute care populations.
 Journal of Pediatric Health Care, 27, 71-77.
- Bolick, B. N., Haut, C., Reuter-Rice, K., Leflore, J., McComiskey, C. A., Mikhailov, T. A., Cavender, J. D., Creaden, J. A., McLeod, R., & Verger, J. (2012). The acute care pediatric nurse practitioner: curriculum overview. *Journal of Pediatric Health Care*, *26*, 231-237.
- Byrne, G., Richardson, M., Brunsdon, J., & Patel, A. (2000). Patient satisfaction with emergency nurse practitioners. *Journal of Clinical Nursing*, *9*, 83–92.
- Donald, F.C. & McCurdy, C. (2002). Review: Nurse practitioner primary care improves patient satisfaction and quality of care with no difference in health outcomes. *Evidence-Based Nursing*, *5*, 121.

- Fry, M. (2011). Literature review of the impact of nurse practitioners in critical care services. *Nursing in Critical Care*, *16*, 58-66.
- Genet, C., Brennan, P., Ibbotson-Wolf, S., Phelps, C., Rosenthal, G. I., Landefeld, C. S., & Daly, B. (1995). Nurse practitioners in a teaching hospital. *The Nurse Practitioner*, 20, 47-52.
- Hopkins, S. C., Lenz, E. R., Pontes, M. N., Lin, S. X., & Mundinger, M. O. (2005). Context of care or provider training: The impact on preventive screening practices.

 *Preventive Medicine, 40, 718-724.
- Mundinger, M.O., Kane, R.L., Lenz, E.R., Totten, A.M., Tsai, W., Cleary, P.D. et al. (2000).

 Primary care outcomes in patients treated by nurse practitioners or physicians: A randomized trial. *Journal of the American Medical Association*, 283, 59–68.
- National Association of Pediatric Nurse Practitioners. (2008). Pediatric nursing: scope and standards of practice. Silver Spring, MD: American Nurses Association.
- National Association of Pediatric Nurse Practitioners. (2011). NAPNAP position statement on the acute care pediatric nurse practitioner. *Journal of Pediatric Health Care*, 25, e11-e12.
- National Council of State Boards of Nursing. (2002). Regulation of advanced practice nursing: 2002 national council of state boards of nursing position paper.

 Retrieved from http://www.ncsbn.org/pdfs/uniformaprn.pdf
- National Council of State Boards of Nursing. (2003). Uniform advanced practice registered nurse licensure/authority to practice requirements. Retrieved from http://www.ncsbn.org/pdfs/uniformaprn.pdf

- National Organization of Nurse Practitioner Faculties. (2002). Nurse practitioner primary care competencies in specialty areas: Adult, family, gerontological, pediatric and women's health. Retrieved from http://www.nonpf.com/displaycommon.cfm
 ?an=1&subarticlenbr=14
- National Organization of Nurse Practitioner Faculties. (2013). Population-focused nurse practitioner competencies. Retrieved from http://www.pncb.org/ptistore/resource/content/about/Population Focused NP Core Competencies.pdf
- National Organization of Nurse Practitioner Faculties. (2012). Statement on acute care and primary care certified nurse practitioner practice. Retrieved from http://www.nonpf.org/associations/10789/files/ACPCStatement
 FinalJune2012.pdf
- Percy, M. S., & Sperhac, A. M. (2007). State regulations for the pediatric nurse practitioner in acute care. *Journal of Pediatric Health Care*, *21*, 29-43.
- Pediatric Nursing Certification Board (2006a). Acute care PNP exam, eligibility requirements for pathways for certification. Retrieved from http://www.pncb.org/ptistore/control/exams/ac/elig
- Pediatric Nursing Certification Board (2006b). PNCB recognized acute care PNP programs. Retrieved from http://www.pncb.org/ptistore/control/exams/ac/progs
- Reuter-Rice, K. (2013). Acute care pediatric nurse practitioner: A practice analysis study. *Journal of Pediatric Health Care, 27*, 410-418.

- Robin, D.W., Becker, E.R., Adams, E.K., Howard, D.H., & Roberts, M.H. (2004). Patient satisfaction with primary care: Does type of practitioner matter? *Medical Care*, *42*, 579–590.
- Sorce, L. & Kline-Tilford, A. (2012). Integrating nurse practitioners and physician assistants into the pediatric intensive care unit. In R. Kleinpell, T.G. Buchman, & W. A. Boyle (Eds.), Integrating nurse practitioners and physician assistants in the ICU. Mount Prospect, IL: Author.
- Texas Board of Nursing. (2010). Guidelines for determining APN scope of practice.

 Retrieved from http://www.bne.state.tx.us/practice/apnscopeofpractice.html

 Uckan, E., Surratt, N., & Troiano, N. (1994). Advanced practice nursing and the role of the critical care nurse practitioner. *Critical Care Nursing Quarterly*, *21*(2), 40-47.

Appendix A

Survey Questions

1. Current certification(s) held? (check all that apply)

- o Pediatric Nursing Certification Board (PNCB)
- American Nurses Credentialing Center
- o American Academy of Nurse Practitioners Certification Program
- o National Board of Certification and Recertification for Nurse Anesthetists (CRNA)
- Dual Certification (Pediatric Primary and Acute Care)
- o Pediatric Primary Care
- o Pediatric Acute Care

2. Current practice setting?

- o Critical Care
- Emergency Department
- Hematology/Oncology
- Hospitalist
- o NICU
- Cardiology
- o Trauma
- Neurosurgery
- o Palliative Care
- Pulmonary
- o GI
- Pain Team/Anesthesia

3. Year you graduated with your master's degree?

- o Less than one year ago
- o 1-3 years ago
- o 3-5 years ago
- o 5-10 years ago
- o 10-15 years ago
- o 15-20 years ago
- o >20 years ago

4. How many years did you work as a registered nurse prior to becoming a nurse practitioner?

- o 0-1 years
- o 1-3 years
- o 3-5 years
- o 5-10 years
- o 10-15 years
- o 15-20 years
- o >20 years

5. Area you worked in prior to becoming a nurse practitioner?

- o Pediatric Critical Care
- Emergency Department
- Hematology/Oncology
- o Primary Care Office
- o NICU

- Medical/Surgical Floor
- o Trauma
- Operating Room
- o Clinic
- o None
- Other (please specify)

6. What practice setting(s) did you complete your clinical hours in as a pediatric nurse practitioner student?

- Critical Care
- Emergency Department
- Hematology/Oncology
- Hospitalist
- o NICU
- Cardiology
- o Trauma
- Neurosurgery
- o Palliative Care
- Pulmonary
- GI
- o Pain Team/Anesthesia
- Other (please specify)

7. Did your Graduate School Program include simulation?

- Yes (if yes, please go to next question)
- o No (if no, please skip to question #9)

8. What type of simulation was included in your graduate school program?

- Procedure/Skills Training
- Low fidelity Manikin-based Simulation (technical equipment that is static and does not interact with the environment)
- High fidelity Manikin-based Simulation (a mannequin provides physiological feedback via interactive software in response to the trainees' actions)
- Other (please specify)

9. Please identify if the following topics or content were included in your graduate school program?

- Procedures
- o Pediatric Acute Care management
- Leadership
- Research
- Quality Improvement

10. Approximately how long was your orientation as a new pediatric nurse practitioner?

- No orientation
- o 1-3months
- o 3-6months
- o 6-12months
- >1 year

11. Was any of your orientation as a new nurse practitioner combined with education for the pediatric residents and fellows?

- o Yes
- o No

12. How prepared did you feel to take on your first role as a new pediatric nurse practitioner?

- Not prepared at all
- Slightly unprepared
- Neutral
- Slightly prepared
- Prepared

13. What would have made you feel more prepared to take on your first role as a new nurse practitioner?

14. How likely are you to go back to graduate school for your pediatric acute care certification?

- Very likely within the next 1-3 years
- Very likely within the next 4-5 years
- Undecided
- Not likely at all
- Never

15. If you go back to school for your pediatric acute care certification, what are the ways your employer will support you?

- Financial Support
- o Flexibility in Schedule
- Job following graduation
- o None of the above
- Other (please specify)

16. I currently feel utilized to the fullest scope of my practice?

- Strongly Disagree
- o Disagree
- Undecided
- o Agree
- o Strongly Agree

17. How important is it to my colleagues that I obtain my pediatric acute care certification?

- Not Important
- Neutral
- o Important
- Very Important

Appendix B

IRB Letter



Office of Research Administration

One University Boulevard St. Louis, Missouri 63121-4499 Telephone: 314-516-5899 Fax: 314-516-5759 E-mail: ora@umal.edu

DATE: October 2, 2016

TO: Jessica Mann

FROM: University of Missouri-St. Louis IRB

PROJECT TITLE: [914601-2] The Acute Care Pediatric Nurse Practitioner in Missouri: A Needs

Analysis Assessment

REFERENCE #:

SUBMISSION TYPE: Amendment/Modification

ACTION: DETERMINATION OF EXEMPT STATUS

DECISION DATE: October 2, 2016

REVIEW CATEGORY: Exemption category # 2

The chairperson of the University of Missouri-St. Louis IRB has APPROVED the above mentioned protocol for research involving human subjects and determined that the project qualifies for exemption from full committee review under Title 45 Code of Federal Regulations Part 46.101b. The time period for this approval expires one year from the date listed above. You must notify the University of Missouri-St. Louis IRB in advance of any proposed major changes in your approved protocol, e.g., addition of research sites or research instruments.

You must file an annual report with the committee. This report must indicate the starting date of the project and the number of subjects to date from start of project, or since last annual report, whichever is more recent.

Any consent or assent forms must be signed in duplicate and a copy provided to the subject. The principal investigator must retain the other copy of the signed consent form for at least three years following the completion of the research activity and they must be available for inspection if there is an official review of the UM-St. Louis human subjects research proceedings by the U.S. Department of Health and Human Services Office for Protection from Riesearch Risks.

This action is officially recorded in the minutes of the committee.

If you have any questions, please contact Carl Bassi at 314-516-6029 or bassi@umsl.edu. Please include your project title and reference number in all correspondence with this committee.

Appendix C

AC PNP Programs

University of Alabama at Birmingham	Creighton University
University of South Alabama College of Nursing	Seton Hall University
University of Arkansas for Medical Sciences	University of Akron
University of California, San Francisco	University of Cincinnati College of Nursing
Catholic University of America	Case Western Reserve University
Brandman University	Ohio State University
University of Florida	Wright State University
Emory University	Oregon Health & Science University
Rush University	Drexel University
University of Illinois at Chicago	University of Pennsylvania
University of Iowa	University of Tennessee, Knoxville
University of Kentucky	Vanderbilt University
Northeastern University	University of Texas at Arlington
University of Maryland	University of Texas at El Paso
University of Michigan	Texas Tech University Health Sciences Center
Wayne State University College of Nursing	Marquette University
Duke University	

Appendix D

Acute Care PNP Curriculum

NURSE 6950 Acute Child Health I-Diagnosis & Management: 4 semester hours

This course is designed to provide advanced nursing practice students with an opportunity to develop a foundation for the Pediatric Nurse Practitioner to practice in a pediatric acute care setting. It is a system based pathophysiology course that discusses the basis of disease for assessment and intervention. Emphasis is placed on using models and theories that guide advanced practice care for clients with common acute care problems.

Objectives:

Upon successful completion of Acute Child Health I-D&M, the student will be able to:

- 1. Evaluate complex problems of psychosocial adaptation in the acutely ill child and their families.
- 2. Develop strategies for advanced nursing practices that promote the physical and psychosocial adaptation of children requiring hospitalization.
- 3. Analyze the physiological and pathophysiological means that result in body system failure.
- 4. Develop an understanding of the scientific rationale for management strategies implemented in the care of the acutely ill child.
- 5. Critically assess nursing and medical practices in pediatric acute care.
- 6. Identify the diverse components of the advanced practice nurse role in acute care settings.
- 7. Apply appropriate nursing, medical and other related literature to provide evidence research-based care critically ill children while treating disease states.
- 8. Recommend future research that will advance the care of the acutely ill child.
- 9. Explore ethical dimensions in nursing care situations involving children with acute and chronic health care problems.

Content Outline:

1. Orientation for the Acute Care Nurse Practitioner

(Hospitalization/Stress/Developmental Lecture/Professionalism/Family Centered Care)

2. Chronic Heart Failure & Cardiomyopathies, Acquired Heart Disease

(Cardiomyopathy, Congestive Heart Failure, Syncope, and Transplantation, Rheumatic fever, Endocarditis)

3. CHD: Anatomy and Physiology Part I

(Congenital Heart Lesions/Management)

4. CHD: Anatomy and Physiology Part II

(Congenital Heart Lesions/Management)

5. CHD: Post-operative Care of the Cardiac Infant and Child

(Arrhythmia, Low Cardiac Output Syndrome, Management)

6. Common Pulmonary Issues

(ARDS, Airway obstructive/failure disorders, Laryngomalacia, Vocal Cord Paralysis, Pulmonary Edema, Pulmonary Embolus, Status Asthmaticus)

7. Chronic Pulmonary Failure

(Chronic lung disease, pulmonary hypertension)

8. Common Pulmonary Disease

(Cystic Fibrosis, Transplantation, OSA, Smoke Inhalation)

9. ABG/Ventilator Management/Cardio-pulmonary Interactions

10. Neurological Overview

(Altered mental status, ALTE, Arteriovenous malformations, Cerebral Palsy, Encephalopathy, Hydrocephalus)

11. Traumatic Brain Injury Intra-cranial Pressure Dynamics

(TBI, Brain Death, Submersion Injuries)

12. Neurological Disorders II

(Meningitis, Muscular Dystrophies, Neurocutaneous Disorders, Neuropathy, Status Epilepticus, Stroke, VP shunts)

13. Evaluation & Management of the child with SIRS/SHOCK

(Septic Shock, Systemic inflammatory response syndrome)

14. Critical Endocrine Disorder

(DKA, DI/SIADH/CSW, Adrenal Disorders, Thyroid/Parathyroid Disorders)

NURSE 6952 Acute Child Health II-Diagnosis & Management: 4 semester hours

This course is designed to provide advanced nursing practice students with an opportunity to develop a foundation for the Pediatric Nurse Practitioner to practice in a pediatric acute care setting. It is a system based pathophysiology course that discusses the basis of disease for assessment and intervention. Emphasis is placed on using models and theories that guide advanced practice care for clients with common acute care problems.

Objectives:

Upon successful completion of Acute Child Health II-D&M, the student will be able to:

- 1. Evaluate complex problems of psychosocial adaptation in the acutely ill child and their families.
- 2. Develop strategies for advanced nursing practices that promote the physical and psychosocial adaptation of children requiring hospitalization.
- 3. Analyze the physiological and pathophysiological means that result in body system failure.

- 4. Develop an understanding of the scientific rationale for management strategies implemented in the care of the acutely ill child.
- 5. Critically assess nursing and medical practices in pediatric acute care.
- 6. Identify the diverse components of the advanced practice nurse role in acute care settings.
- 7. Apply appropriate nursing, medical and other related literature to provide evidence research-based care critically ill children while treating disease states.
- 8. Recommend future research that will advance the care of the acutely ill child.
- 9. Explore ethical dimensions in nursing care situations involving children with acute and chronic health care problems.

Content Outline: See Above

N6954: Clinical Residency I, II, & III for Advanced Practice Nursing in Pediatric Acute Care I

This course is designed to provide advanced nursing practice students with an opportunity to develop advanced assessment and management skills through structured, supervised interventions with acutely ill children. Particular emphasis is placed on the role components of the advanced practice nurse. The student is expected to gain necessary management skills to provide specialized care to acutely ill children and to assist them with their adaptation. The minimum number of clock hours of practicum may be determined by the specialty specific credentialing body and graduate requirements may vary across specialty programs.

Course Objectives:

Upon completion of the course, the student will be prepared to:

- Demonstrate clinical proficiency and decision-making in the management of acutely ill children, including referral and consultation to appropriate health care personnel.
- 2. Analyze history, physical examination, developmental implications and lab findings to develop plans of care for acutely ill children.
- 3. Demonstrate knowledge regarding interpretation of basic laboratory and monitoring adjuncts and use of pharmacological agents.
- 4. Establish a practitioner-patient relationship
- 5. Function as a teacher/coach
- 6. Demonstrate competence in the professional role
- 7. Incorporate cultural/spiritual needs in patient care
- 8. Demonstrate professionalism
- 9. Analyze the importance of quality improvement and standards of practice in the provision of nursing care to children and their families in the acute care setting
- 10. Articulate a personal plan for asserting leadership within the profession

11. Pediatric Acute Care Nurse Practitioner Emphasis Area

Appendix E

Pediatric Acute Care Nurse Practitioner Emphasis Area Standards

American Association of Critical-Care Nurses, (2012). AACN SCOPE AND STANDARDS FOR ACUTE CARE NURSE PRACTITIONER PRACTICE. Aliso Viejo, CA: An AACN Critical Care Publication American Association of Critical-Care Nurses.

National Association of Pediatric Nurse Practitioners, Society of Pediatric Nurses, American Nurses Association (2008). *Pediatric nursing: Scope and Standards of practice*. Silver Spring, MD: American Nurses Association.

Silver Spring, MD: American Nurses Association.		
STANDARD 1: ASSESSMENT		
Course Objectives/ Scopes	Learning Activity	Course
and Standards		
Integrate and analyze the	Clinical decision making	Nurse 6950: Acute Child
knowledge and skills from	exercises, student	Health I: Diagnosis &
advanced assessment,	presentations, and case	Management
pathophysiology, and	presentations. Students	
pharmacology in the	must integrate and analyze	Nurse 6952: Acute Child
advanced nursing care of	knowledge from the 3P s to	Health II: Diagnosis &
children with acute, critical,	assess, diagnose and treat	Management
and/or complex chronic	acute/chronic health	
illnesses.	conditions.	
Collect and critically analyze	Clinical decision making	Nurse 6950: Acute Child
data and evidence from a	exercises and case	Health I: Diagnosis &
wide variety of sources for	presentations allow	Management
improving advanced nursing	students to prioritize data	
practice.	collection according to the	Nurse 6952: Acute Child
	patient's immediate	Health II: Diagnosis &
	condition and needs and to	Management
	make appropriate clinical	
	judgments and decisions	
	about orders, procedures,	
	and treatments.	
Using concepts and	Growth and development	Nurse 6524: Advanced
theories, distinguish	module in the NURSE6524	Health Assessment for
between normal and	course provide students	Nursing Practice
abnormal growth and	with instruction in growth	
developmental and age-	and development of	Nurse 6950: Acute Child
related physiologic and	children and families.	Health I: Diagnosis &
behavioral changes.	Clinical decision making	Management
	exercises in Nurse 6950 and	
	6952 include integration of	Nurse 6952: Acute Child

	I	T
	developmental needs in AC-	Health II: Diagnosis &
	PNP management plans.	Management
Evaluates the patient and	Students will demonstrate	Nurse 6950: Acute Child
family's individuality,	cultural sensitivity in	Health I: Diagnosis &
cultural differences,	completion of clinical	Management
spiritual beliefs, ethnicity,	decision making exercises in	
race, gender, sexual	Nurse 6950 and 6952.	Nurse 6952: Acute Child
orientation, disability,		Health II: Diagnosis &
lifestyle, socioeconomic		Management
status, age, use of		
alternative therapies, and		
family configuration in		
presentation, progression,		
and treatment response of		
common acute, critical, and		
chronic health problems.		
STANDARD 2: DIAGNOSIS		
Course Objectives/ Scopes	Learning Activity	Course
and Standards		
Determine differential	Clinical decision making	Nurse 6950: Acute Child
diagnoses for acute care	exercises and case	Health I: Diagnosis &
pediatric patient by	presentations allow	Management
analyzing and synthesizing	students to	
the assessment data.	prioritize actual and	Nurse 6952: Acute Child
	potential health care	Health II: Diagnosis &
	problems as the basis for	Management
	designing evidence-based	
	interventions for the	
	restoration of health and to	
	meet the patient's goals.	
Diagnoses acute, critical,	Using critical thinking skills,	Nurse 6950: Acute Child
and/or complex chronic	student is able to recognize	Health I: Diagnosis &
physical illnesses,	acute, critical, and/or	Management
recognizing disease	complex chronic conditions	
progression, multisystem	that may result in rapid	Nurse 6952: Acute Child
health problems, associated	physiologic deterioration or	Health II: Diagnosis &
complications, and	life-threatening instability.	Management
iatrogenic conditions.		
Performs specific clinical	Utilization of case	Nurse 6530: Clinical
diagnostic strategies and	presentations and clinical	Diagnostic
skills to monitor and sustain	training experiences. Also	
physiologic function and to	use of pediatric focused	Nurse 6950: Acute Child
ensure patient safety,	simulation based learning	Health I: Diagnosis &

including but not limited to	to improve practice.	Management
electrocardiographic (ECG)		
interpretation, x-ray		Nurse 6952: Acute Child
interpretation, respiratory		Health II: Diagnosis &
support, hemodynamic		Management
monitoring, line and tube		
insertion, and lumbar		
puncture.		
STANDARD 3: OUTCOMES ID	ENTIFICATION	
Course Objectives/ Scopes	Learning Activity	Course
and Standards		
Characterizes individualized	Clinical decision making	Nurse 6950: Acute Child
goals and outcomes for	exercises, student	Health I: Diagnosis &
children with acute, critical,	presentations, and case	Management
and/or complex chronic	presentations allow the	_
illnesses.	student develop goals and	Nurse 6952: Acute Child
	outcomes from the working	Health II: Diagnosis &
	diagnosis in collaboration	Management
	with the patient, family,	
	and other health care	
	providers.	
Consider the benefit-versus-	Clinical decision making	Nurse 6950: Acute Child
burden, safety, quality, and	exercises, student	Health I: Diagnosis &
cost-effectiveness for the	presentations, and case	Management
patient, family, institution,	presentations with	
and society while	extensive class discussion	Nurse 6952: Acute Child
identifying goals and	allow the student the	Health II: Diagnosis &
outcomes.	opportunity to develop	Management
	plans of care in pediatric	anagament
	acute care settings.	
Using scientific evidence	Clinical experiences, case	Nurse 6130: Research,
and evidence-based	presentations, clinical	Interventions, and
practice, develop goals and	decision making exercises,	Evidence-Based Practice
outcomes.	and class discussion allow	
	students to translate	Nurse 6950: Acute Child
	research and other forms of	Health I: Diagnosis &
	knowledge to improve	Management
	practice processes and	
	outcomes.	Nurse 6952: Acute Child
		Health II: Diagnosis &
		Management
STANDARD 4: PLANNING	<u> </u>	management
Course Objectives/ Scopes	Learning Activity	Course
course objectives/ stupes	Learning Activity	Course

and Standards			
		N COFO. A I. Child	
The pediatric acute care	Clinical experiences, case	Nurse 6950: Acute Child	
nurse independently	presentations, clinical	Health I: Diagnosis &	
develops an outcomes-	decision making exercises,	Management	
focused plan of care that	and class discussion guide		
prescribes interventions for	the student in achieving the	Nurse 6952: Acute Child	
patients with acute, critical,	desired health outcomes	Health II: Diagnosis &	
and/or complex chronic	for the patient with acute,	Management	
illnesses.	critical, and/or complex		
	chronic health care needs.		
Implement a plan of care	Clinical experiences, case	Nurse 6950: Acute Child	
that reflects the actual and	presentations, clinical	Health I: Diagnosis &	
anticipated needs of the	decision making exercises,	Management	
child and family, including	and class discussion		
their values and beliefs and	incorporates health	Nurse 6952: Acute Child	
goals of care, and considers	promotion, protection, and	Health II: Diagnosis &	
benefit-versus-burden,	injury prevention measures	Management	
safety, quality, and cost-	into the plan of care	_	
effectiveness.			
STANDARD 5: IMPLEMENTAT	ION OF TREATMENT		
Course Objectives/ Scopes	Learning Activity	Course	
and Standards			
Apply evidence-based	Clinical experiences, case	Nurse 6950: Acute Child	
interventions identified in	presentations, clinical	Health I: Diagnosis &	
the interprofessional plan of	decision making exercises,	Management	
care for children with acute,	and class discussion.		
critical, and/or complex	Students will work in	Nurse 6952: Acute Child	
chronic illnesses. Continue	collaboration with the	Health II: Diagnosis &	
ongoing evaluation and	interprofessional team	Management	
modification to the plan of	members to discuss		
care to optimize patient	appropriate consultations		
outcomes.	and implementation of the		
	plan of care that promotes		
	safety and reduces risks.		
STANDARD 6: Evaluation			
Course Objectives/ Scopes	Learning Activity	Course	
and Standards			
Assess the child's progress	Clinical experiences, case	Nurse 6950: Acute Child	
toward the attainment of	presentations, clinical	Health I: Diagnosis &	
goals and outcomes	decision making exercises,	Management	
through ongoing evaluation	and class discussion. Allows	_	
of the patient's changing	the student to define,	Nurse 6952: Acute Child	
condition and response to	implement and modify the	Health II: Diagnosis &	

		T
therapeutic interventions.	plan of care using evidence- based practice for the pediatric acute care patients.	Management
STANDARD 7: Professional P		
Course Objectives/ Scopes and Standards	Learning Activity	Course
Assess clinical practice in	Develop case presentations	Nurse 6950: Acute Child
relationship to institutional	and protocol development	Health I: Diagnosis &
guidelines, professional	as a way to evaluate role	Management
practice standards, and	performance according to	_
relevant statutes and	professional practice	Nurse 6952: Acute Child
regulations.	standards, relevant statutes	Health II: Diagnosis &
	and regulations, and	Management
	institutional guidelines.	
STANDARD 8: Education		
Course Objectives/ Scopes	Learning Activity	Course
and Standards		
The pediatric acute care	The student is held	Throughout curriculum
nurse maintains current	accountable for maintaining	
knowledge in advanced	current knowledge and	
nursing practice.	skills to facilitate a high	
	quality of clinical	
	performance and to	
	promote professional	
STANDARD 9: Collaboration	growth.	
Course Objectives/ Scopes	Learning Activity	Course
and Standards		
The pediatric acute care	Clinical experiences, case	Throughout curriculum
nurse	presentations, clinical	
collaborates with the	decision making exercises,	Nurse 6950: Acute Child
patient, family, and other	and class discussion.	Health I: Diagnosis &
members of the	Students maintain ongoing	Management
interprofessional team in	communication with the	
the delivery of patient care	interprofessional health	Nurse 6952: Acute Child
	care team members.	Health II: Diagnosis &
		Management
STANDARD 10: Ethics	1	T
Course Objectives/ Scopes	Learning Activity	Course
and Standards		
The pediatric acute care	Clinical experiences, case	Throughout curriculum

nurse Integrates ethical	presentations, clinical		
principles in decision	decision making exercises,	Nurse 6950: Acute Child	
making and evaluates the	and class discussion.	Health I: Diagnosis &	
ethical consequences of	Students will incorporate	Management	
decisions.	safe, competent and ethical		
	care that is in alignment	Nurse 6952: Acute Child	
	with the ANA's Code of	Health II: Diagnosis &	
	Ethics for Nurses with	Management	
	Interpretive Statements.		
STANDARD 11: Systems Thin	king		
Course Objectives/ Scopes	Learning Activity	Course	
and Standards			
The pediatric acute care	Clinical experiences, case	Throughout curriculum	
nurse participates in	presentations, clinical		
organizational systems and	decision making exercises,	Nurse 6950: Acute Child	
processes to promote	and class discussion.	Health I: Diagnosis &	
optimal patient outcomes.	Students will provide	Management	
	leadership in the delivery of		
	care within and across the	Nurse 6952: Acute Child	
	systems that make up the	Health II: Diagnosis &	
	continuum of acute care	Management	
	services.		
STANDARD 12: Resource Utilization			
STANDARD 12: Resource Uti	lization		
STANDARD 12: Resource Util Course Objectives/ Scopes	lization Learning Activity	Course	
		Course	
Course Objectives/ Scopes		Course Throughout curriculum	
Course Objectives/ Scopes and Standards	Learning Activity		
Course Objectives/ Scopes and Standards The pediatric acute care	Learning Activity Clinical experiences, case		
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and	Clinical experiences, case presentations, clinical	Throughout curriculum	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while	Clinical experiences, case presentations, clinical decision making exercises,	Throughout curriculum Nurse 6950: Acute Child	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while planning and delivering	Clinical experiences, case presentations, clinical decision making exercises, and class discussion.	Throughout curriculum Nurse 6950: Acute Child Health I: Diagnosis &	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while planning and delivering	Clinical experiences, case presentations, clinical decision making exercises, and class discussion. Students as part of the	Throughout curriculum Nurse 6950: Acute Child Health I: Diagnosis &	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while planning and delivering	Clinical experiences, case presentations, clinical decision making exercises, and class discussion. Students as part of the development of the plan	Throughout curriculum Nurse 6950: Acute Child Health I: Diagnosis & Management	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while planning and delivering	Clinical experiences, case presentations, clinical decision making exercises, and class discussion. Students as part of the development of the plan and care will achieve	Throughout curriculum Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while planning and delivering	Clinical experiences, case presentations, clinical decision making exercises, and class discussion. Students as part of the development of the plan and care will achieve optimal outcomes at a	Throughout curriculum Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis &	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while planning and delivering	Clinical experiences, case presentations, clinical decision making exercises, and class discussion. Students as part of the development of the plan and care will achieve optimal outcomes at a minimum burden to the	Throughout curriculum Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis &	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while planning and delivering patient care.	Clinical experiences, case presentations, clinical decision making exercises, and class discussion. Students as part of the development of the plan and care will achieve optimal outcomes at a minimum burden to the	Throughout curriculum Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis &	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while planning and delivering patient care. STANDARD 13: Leadership	Clinical experiences, case presentations, clinical decision making exercises, and class discussion. Students as part of the development of the plan and care will achieve optimal outcomes at a minimum burden to the patient, family, and society.	Throughout curriculum Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis & Management	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while planning and delivering patient care. STANDARD 13: Leadership Course Objectives/ Scopes	Clinical experiences, case presentations, clinical decision making exercises, and class discussion. Students as part of the development of the plan and care will achieve optimal outcomes at a minimum burden to the patient, family, and society.	Throughout curriculum Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis & Management	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while planning and delivering patient care. STANDARD 13: Leadership Course Objectives/ Scopes and Standards	Clinical experiences, case presentations, clinical decision making exercises, and class discussion. Students as part of the development of the plan and care will achieve optimal outcomes at a minimum burden to the patient, family, and society. Learning Activity	Throughout curriculum Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis & Management Course	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while planning and delivering patient care. STANDARD 13: Leadership Course Objectives/ Scopes and Standards The pediatric acute care	Clinical experiences, case presentations, clinical decision making exercises, and class discussion. Students as part of the development of the plan and care will achieve optimal outcomes at a minimum burden to the patient, family, and society. Learning Activity Clinical experiences, case	Throughout curriculum Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis & Management Course	
Course Objectives/ Scopes and Standards The pediatric acute care nurse provides safe, and cost-effective care while planning and delivering patient care. STANDARD 13: Leadership Course Objectives/ Scopes and Standards The pediatric acute care nurse demonstrates	Clinical experiences, case presentations, clinical decision making exercises, and class discussion. Students as part of the development of the plan and care will achieve optimal outcomes at a minimum burden to the patient, family, and society. Learning Activity Clinical experiences, case presentations, clinical	Throughout curriculum Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis & Management Course Throughout curriculum	

	leadership through teaching, coaching, delegating, and supporting others in the advancement of the plan of care for patients with acute, critical, and/or complex chronic illnesses.	Nurse 6952: Acute Child Health II: Diagnosis & Management	
The pediatric acute care	Students should also	Throughout curriculum	
nurse demonstrates	participate actively in		
leadership by participating	pediatric focused	Nurse 6950: Acute Child	
in professional	professional organizations	Health I: Diagnosis &	
organizations and patient	that promote optimal	Management	
advocacy at the local, state,	health care for children and	management	
or national level for policies	their families and be	Nurse 6952: Acute Child	
and legislation to improve.	familiar with the benefits	Health II: Diagnosis &	
and registration to improve	and professional	Management	
	responsibilities required as	a.iaBainain	
	an acute care PNP.		
STANDARD 14: Collegiality			
Course Objectives/ Scopes	Learning Activity	Course	
and Standards			
The acute care pediatric	Case presentations, and	Throughout curriculum	
	Case presentations, and class discussion. Students	Throughout curriculum	
The acute care pediatric	I	Throughout curriculum Nurse 6950: Acute Child	
The acute care pediatric nurse interacts with and	class discussion. Students		
The acute care pediatric nurse interacts with and promotes a healthy work	class discussion. Students will be required to create a	Nurse 6950: Acute Child	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers,	class discussion. Students will be required to create a presentation and case from	Nurse 6950: Acute Child Health I: Diagnosis &	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other	class discussion. Students will be required to create a presentation and case from their clinical experience and	Nurse 6950: Acute Child Health I: Diagnosis &	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health care team to augment their	Nurse 6950: Acute Child Health I: Diagnosis & Management	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the use of effective	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health	Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the use of effective communications and	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health care team to augment their knowledge. Students will also be required to	Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis &	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the use of effective communications and respect for the unique	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health care team to augment their knowledge. Students will also be required to participate in class	Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis &	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the use of effective communications and respect for the unique	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health care team to augment their knowledge. Students will also be required to participate in class discussions in a mutually	Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis &	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the use of effective communications and respect for the unique contributions of individuals.	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health care team to augment their knowledge. Students will also be required to participate in class discussions in a mutually respectful environment.	Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis &	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the use of effective communications and respect for the unique contributions of individuals. STANDARD 15: Quality of Pra	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health care team to augment their knowledge. Students will also be required to participate in class discussions in a mutually respectful environment.	Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis & Management	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the use of effective communications and respect for the unique contributions of individuals. STANDARD 15: Quality of Practices of Course Objectives Scopes	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health care team to augment their knowledge. Students will also be required to participate in class discussions in a mutually respectful environment.	Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis &	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the use of effective communications and respect for the unique contributions of individuals. STANDARD 15: Quality of Practice Course Objectives/ Scopes and Standards	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health care team to augment their knowledge. Students will also be required to participate in class discussions in a mutually respectful environment. actice and Clinical inquiry Learning Activity	Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis & Management Course	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the use of effective communications and respect for the unique contributions of individuals. STANDARD 15: Quality of Prace Course Objectives/ Scopes and Standards The acute care pediatric	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health care team to augment their knowledge. Students will also be required to participate in class discussions in a mutually respectful environment. Actice and Clinical inquiry Learning Activity Case presentations, and	Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis & Management	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the use of effective communications and respect for the unique contributions of individuals. STANDARD 15: Quality of Prace Course Objectives/ Scopes and Standards The acute care pediatric nurse will participate in	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health care team to augment their knowledge. Students will also be required to participate in class discussions in a mutually respectful environment. actice and Clinical inquiry Learning Activity Case presentations, and class discussion. Students	Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis & Management Course Throughout curriculum	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the use of effective communications and respect for the unique contributions of individuals. STANDARD 15: Quality of Prace Course Objectives/ Scopes and Standards The acute care pediatric nurse will participate in child and family focused	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health care team to augment their knowledge. Students will also be required to participate in class discussions in a mutually respectful environment. Actice and Clinical inquiry Learning Activity Case presentations, and class discussion. Students will be required to design,	Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis & Management Course Throughout curriculum Nurse 6130: Research,	
The acute care pediatric nurse interacts with and promotes a healthy work environment for peers, colleagues, and other professionals through the use of effective communications and respect for the unique contributions of individuals. STANDARD 15: Quality of Prace Course Objectives/ Scopes and Standards The acute care pediatric nurse will participate in	class discussion. Students will be required to create a presentation and case from their clinical experience and present to classmates and interprofessional health care team to augment their knowledge. Students will also be required to participate in class discussions in a mutually respectful environment. actice and Clinical inquiry Learning Activity Case presentations, and class discussion. Students	Nurse 6950: Acute Child Health I: Diagnosis & Management Nurse 6952: Acute Child Health II: Diagnosis & Management Course Throughout curriculum	

translation, and dissemination of evidence into practice.	appropriate professional standard and guideline for care. This will critically evaluate existing practice with a goal to make	Nurse 6950: Acute Child Health I: Diagnosis & Management
	changes in light of current evidence-based recommendations, guidelines, and benchmarking.	Nurse 6952: Acute Child Health II: Diagnosis & Management