

ACCP IMMERSE

ACCP Pediatric PRN Candidate Mentor: Nadia I. Awad, PharmD, MS, BCPS, BCPPS, FAACT
Site: Bristol-Myers Squibb Children's Hospital at Robert Wood Johnson University Hospital
New Brunswick, New Jersey

Site description:

I am currently employed at Robert Wood Johnson University Hospital, which is a level 1 trauma, academic medical center as well as the first pediatric trauma center located in New Brunswick, New Jersey. I practice primarily in the Bristol-Myers Squibb Children's Hospital, which is a 105-bed free-standing pediatric acute care facility adjacent to Robert Wood Johnson University Hospital that cares for patients from 0 through 21 years of age. We maintain a pediatric pharmacy satellite located within the pediatric intensive care unit with a dedicated staff of pediatric pharmacists and pharmacy technicians who provide services to pediatric and neonatal intensive care; adolescent, pediatric hematology-oncology, and general pediatrics units; pediatric operating and post-acute care surgery units; pediatric same day surgery and infusion center; and pediatric emergency department.

Note regarding IMMERSE proposals:

I have developed two proposals for IMMERSE with unique clinical and research experiences. Select the one that would be most fitting for you.

IMMERSE Proposal 1:

An evaluation of the trends in the training and practice of pharmacists in pediatric emergency departments

A thorough appreciation and understanding of survey methodologies should be part of the armamentarium of any pharmacist, regardless of the specialty practice area. The methods and techniques for survey development, dissemination, analysis, and sharing of results are critical to facilitating future directions for improving and advancing the practice of pharmacy. The goal of this research experience is to develop a survey to evaluate practice and training trends of pediatric emergency medicine pharmacists and share key findings in a peer-reviewed journal publication.

Although a breadth of data exists to support the various roles pharmacists have in the emergency department, much of the data surrounds the care of the adult patient. There is a recognized need for pharmacists in pediatric emergency medicine, particularly as it relates to standards for medication safety in this patient population. This was addressed in a joint statement published in 2018 that was put forth by key non-pharmacist stakeholders who represented the American Academy of Pediatrics (AAP), the American College of Emergency Physicians (ACEP), and the Emergency Nurses Association (ENA). In addition, the training and role of the pharmacist caring for pediatric emergency department patients is not well-defined. Some pharmacists with or without formal post-graduate residency training in emergency medicine or pediatrics may find themselves caring for pediatric patients within a primarily adult emergency department or within a specific pediatric emergency department.

As part of ACCP IMMERSE research experience, the mentee will develop, disseminate, analyze, and share of the results of a national survey surrounding several topics related to the practice of pediatric emergency medicine pharmacists. This may include (but is not limited) the following: an evaluation of current standards or competencies for pharmacists caring for this vulnerable patient population, including those associated with specialty residency training in emergency medicine and pediatrics and other certifications; scope and characterization of pharmacy services across pediatric emergency departments; recommendations for prioritization of pharmacy services in pediatric emergency departments; and projections for growth in the practice of pharmacy within the field of pediatric emergency medicine.

Resources related to survey research methods, design, implementation, and evaluation available through ACCP and other organizations will be shared with the mentee throughout the course of the mentorship to guide their development of the survey. At the end of the IMMERSE program, the mentee will prepare a formal manuscript describing this research experience for submission to a peer-reviewed journal for formal publication.

The proposed timeline for the mentee who participates in this unique clinical experience is as follows (subject to change):

December 4, 2023 to December 8, 2023	<ul style="list-style-type: none"> - Mentee meets with mentor virtually to discuss the details of the research experience.
December 15, 2023 to January 31, 2024	<ul style="list-style-type: none"> - Mentee conducts a formal literature review of previous publications detailing trends in the training and practice of pharmacy in the emergency department setting. - The mentee will meet with the mentor virtually on a biweekly basis to finalize program timeline and design for preparation for submission to ACCP.
February 1, 2024	<ul style="list-style-type: none"> - Submission deadline for the IMMERSE program timeline and design to ACCP.
February 5, 2024 to March 1, 2024	<ul style="list-style-type: none"> - The mentee works with the mentor in creating the survey questions and attaining approval by the institutional review board (IRB).
March 4, 2024 to March 8, 2024	<ul style="list-style-type: none"> - The mentee shadows the mentor on-site at institution for one week.
March 11, 2024 to March 29, 2024	<ul style="list-style-type: none"> - The mentee works with mentor in finalizing the logistics for survey dissemination. It is expected that IRB approval will be obtained at this time.
April 1, 2024 to April 19, 2024	<ul style="list-style-type: none"> - The survey will open for membership across select ACCP PRNs to complete.
April 22, 2024 to April 26, 2024	<ul style="list-style-type: none"> - The mentee and mentor will analyze and discuss the survey results virtually. Potential journals for submission of manuscript will be collectively identified by the mentor and mentee.
April 29, 2024 to May 17, 2024	<ul style="list-style-type: none"> - The mentee will draft and submit a first draft of the prepared manuscript detailing the survey results and analysis to the mentor for review.
May 20, 2024 to May 31, 2024	<ul style="list-style-type: none"> - The mentor will provide feedback for suggested revisions to the mentee virtually on the first draft of the manuscript and research abstract.
June 1, 2024 to June 10, 2024	<ul style="list-style-type: none"> - The mentee will incorporate suggested revisions and submit a second draft of the prepared manuscript for the mentor for review.
June 17, 2024 to June 28, 2024	<ul style="list-style-type: none"> - The mentor will provide feedback for suggested revisions to the mentee virtually on the second draft of the manuscript.
July 1, 2024 to July 12, 2024	<ul style="list-style-type: none"> - The mentee will incorporate suggested revisions and submit a final draft of the prepared manuscript for the mentor for review.
July 15, 2024 to July 19, 2024	<ul style="list-style-type: none"> - Manuscript is submitted for formal publication to selected journal.
July 22, 2024 to September 30, 2024	<ul style="list-style-type: none"> - Provision of any additional mentor-mentee virtual experiences on an as needed basis.

IMMERSE Proposal 2:

Development of a pediatric pharmacy learning experience for pediatric medical residents

The Accreditation Council for Graduate Medical Education (ACGME) program requires pediatric medical residents to care for patients in an environment supported by interprofessional, multidisciplinary teams. Pharmacists are named as members of these healthcare teams. The development of a pediatric pharmacy elective learning experience for third-year pediatric medical residents will facilitate the understanding of medication-use processes for the pediatric inpatient population and the role of the pediatric pharmacist. The program will help ensure effective and safe medication use among this patient population.

As part of ACCP IMMERSE, the mentee will gain an appreciation for pediatric pharmacy practice within my institution and subsequently determine learning objectives and tasks for pediatric medical residents participating in this learning experience. The mentee will create a syllabus, and design creative learning approaches for an enhanced understanding of practice-based pediatric pharmacotherapy. The mentee will create a competency and educational depository related to pediatric pharmacotherapy that will assess the learning of pediatric medical residents completing the elective experience. The depository will include case-based questions related to pediatric pharmacotherapy based on real-life cases routinely encountered within our institution.

Resources related to evidence-based education and the design of instruction and assessment strategies available through ACCP and other organizations will be shared with the mentee throughout the course of the mentorship to guide their development of these materials. At the end of the IMMERSE program, the mentee will prepare a formal manuscript describing the unique clinical experience for submission to a peer-reviewed journal for formal publication.

The proposed timeline for the mentee who participates in this unique clinical experience is as follows (subject to change):

December 4, 2023 to December 8, 2023	<ul style="list-style-type: none"> - Mentee meets with mentor virtually to discuss the details of the clinical experience.
December 15, 2023 to January 31, 2024	<ul style="list-style-type: none"> - Mentee conducts a formal literature review of previous publications detailing pharmacy learning experiences for medical trainees and prepares a formal document detailing such experiences. - The mentee will meet with the mentor virtually on a biweekly basis to finalize program timeline and design for preparation for submission to ACCP.
February 1, 2024	<ul style="list-style-type: none"> - Submission deadline for the IMMERSE program timeline and design to ACCP.
February 5, 2024 to March 1, 2024	<ul style="list-style-type: none"> - The mentee works with the mentor in creating proposed learning syllabus, competency and educational depository for pediatric pharmacy learning experience for medical residents.
March 4, 2024 to March 8, 2024	<ul style="list-style-type: none"> - The mentee shadows the mentor on-site at institution for one week.
March 11, 2024 to March 29, 2024	<ul style="list-style-type: none"> - The mentee works with mentor in finalizing learning experience and educational depository for pediatric pharmacy learning experience for medical residents based on shadowing experience at mentor's institution.
April 1, 2024 to April 19, 2024	<ul style="list-style-type: none"> - The pediatric pharmacy learning experience takes place for pediatric medical residents at mentor's institution. The mentee will have the opportunity to meet the pediatric medical resident virtually to discuss the progress and experience with the mentor on a weekly basis.
April 22, 2024 to April 26, 2024	<ul style="list-style-type: none"> - The mentee and mentor will discuss outcomes associated with the pediatric pharmacy learning experience for pediatric medical residents and any future opportunities for improvement of the clinical experience. Potential journals for submission of manuscript will be collectively identified by the mentor and mentee.
April 29, 2024 to May 17, 2024	<ul style="list-style-type: none"> - The mentee will draft and submit a first draft of the prepared manuscript detailing the clinical learning experience to the mentor for review.
May 20, 2024 to May 31, 2024	<ul style="list-style-type: none"> - The mentor will provide feedback for suggested revisions to the mentee virtually on the first draft of the manuscript and research abstract.
June 1, 2024 to June 10, 2024	<ul style="list-style-type: none"> - The mentee will incorporate suggested revisions and submit a second draft of the prepared manuscript for the mentor for review.

June 17, 2024 to June 28, 2024	- The mentor will provide feedback for suggested revisions to the mentee virtually on the second draft of the manuscript.
July 1, 2024 to July 12, 2024	- The mentee will incorporate suggested revisions and submit a final draft of the prepared manuscript for the mentor for review.
July 15, 2024 to July 19, 2024	- Manuscript is submitted for formal publication to selected journal.
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