

**ANNUAL REPORT TO THE CLINICAL SERVICES FUND
2022 -2023**

**Perinatal Education Program in Collaboration with Maternal
and Children's Provincial Program**



UNIVERSITY OF SASKATCHEWAN
College of Medicine
DIVISION OF CONTINUING MEDICAL EDUCATION
CMELEARNING.USASK.CA



The Perinatal Education Program in Collaboration with Maternal and Children's Provincial Program

ANNUAL REPORT TO THE CLINICAL SERVICES FUND APRIL 1, 2022 – MARCH 31, 2023

The mandate of the Perinatal Education Program is to promote optimal perinatal outcomes based on evidence-based care and to identify, facilitate, and evaluate continuing education and professional development for physicians, nurses, midwives, and other health care professionals providing care to pregnant and newly delivered parents and their newborns. The Perinatal Education Program and the Maternal and Children's Provincial Program, specifically the Education & Research portfolio partner together and collaborate on many initiatives to more effectively meet needs on a provincial basis.

The collaboration between the two programs and establishing the Knowledge Mobilization Unit (KMU) Team as a community of practice has been accomplished through joint planning, development, delivery, and evaluation of educational programming. This provides a maximum scope and impact in perinatal and pediatric education for healthcare professionals in the province.

More information regarding the collaboration and education offered can be found on the [University of Saskatchewan Perinatal Education Program website](#).

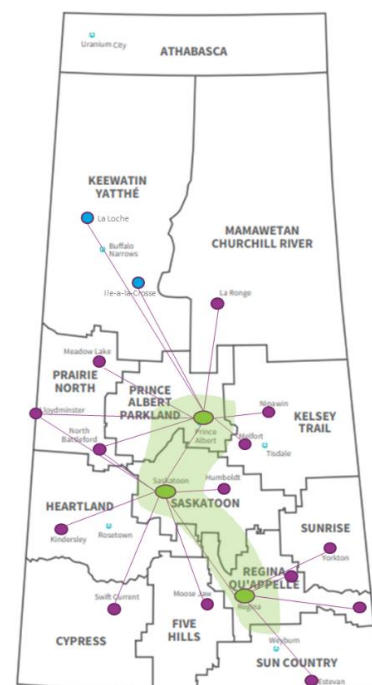
Educational programming for healthcare professionals has a multifaceted impact on the individuals providing care, the healthcare system, and ultimately patient outcomes. The educational programming is designed to update and enhance the knowledge, skills, and competencies of providers.

Mat Child Knowledge Mobilization Unit

"A community of practice and the supporting tools & processes that together help to ensure that all patients, families, and providers in Saskatchewan have the knowledge they need to support health and improve outcomes for Saskatchewan moms & kids."

Continuing Medical Education

"CME engages with healthcare professionals to enhance healthcare outcomes by delivering continuing professional learning that is focused on the needs of the patient and their communities. We are guided by the principles of social accountability, equity, collaboration, and excellence"



The Perinatal Education Program continues to work in close collaboration with the Maternal and Children's Provincial Program KMU in identifying the educational needs of healthcare providers in

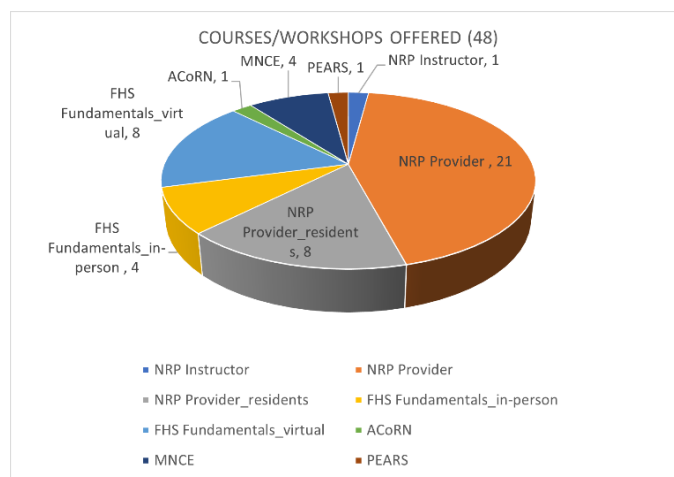
perinatal care, reviewing evidence to support sound decision-making in clinical practice, and providing education across the province. The Maternal and Children's Provincial Program KMU continues to evolve and grow leading innovative change and knowledge translation. With the structuring of the Maternal and Children's Provincial Program KMU and its partnership with the Perinatal Education Program, the programs' efforts to work collaboratively with leadership teams and Physician Executives achieve common goals for both.

Highlights of 2022 – 2023 Programming

The collaborative effort of the KMU Team and delivery of education has experienced a dramatic increase in educational programming for healthcare professionals. This highlights the growth and expansion of educational opportunities and resources available to teams within Saskatchewan.

PERINATAL EDUCATION PROGRAM 2022-2023	QUICK FACTS
# of Courses/Workshops Offered	48
Learning Where You Live	19
Total Hours of Programming	386.25
# of Participants attending Courses	392

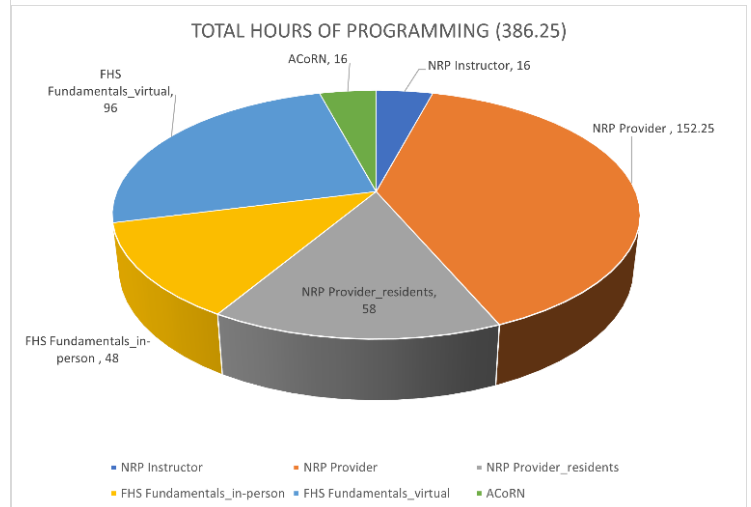
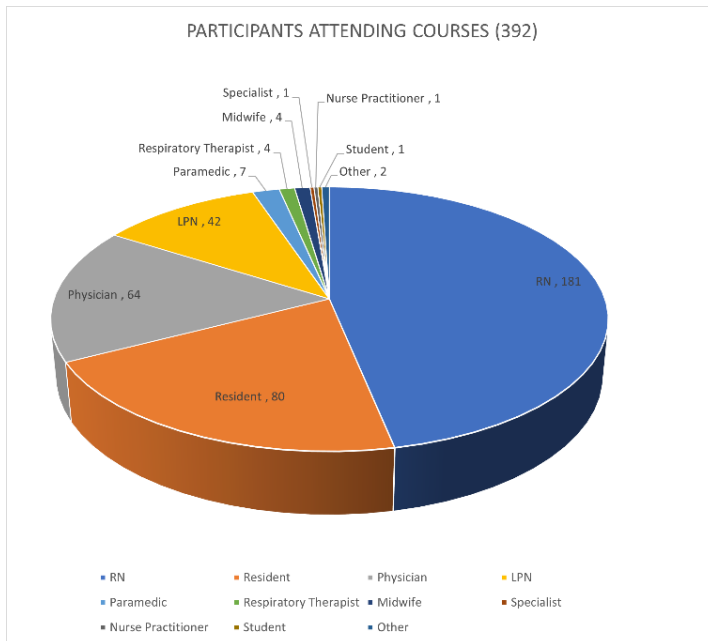
Over the course of the past year, the KMU Team has increased the number of courses/workshops offered by 29% with the total hours of programming increased by 47%. The number of participants attending education programming increased by 33%.



The expansion of programming in 2022-2023 contributed to education in Saskatchewan Health Authority in the following ways:

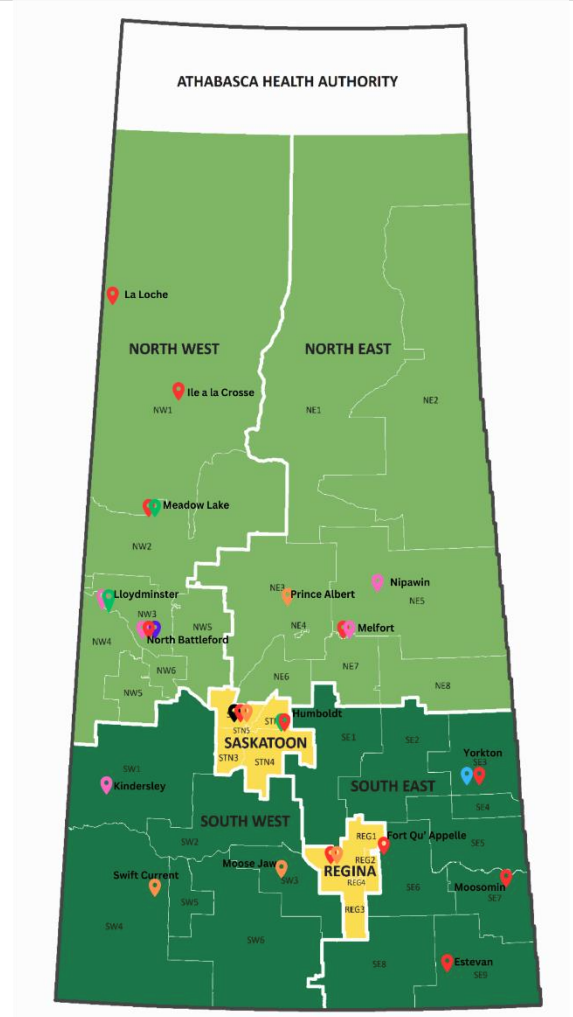
- Increased access and availability of education where healthcare providers live
- Improved knowledge dissemination
- Enhanced skill development
- Facilitated multidisciplinary education with evidence-based information
- Fostered innovation and continued partnership among teams, bridging the expertise from Jim Pattison Children's Hospital
- Addressed knowledge gap with the potential for positive impacts on patient care

- Contributed to clinical standard, procedure, and order set development, with integrated feedback from point-of-care providers, and completion of implementation and evaluation.



Learn Where You Live

The approach to delivering education in local facilities where multidisciplinary teams practice, learn, and grow together is an important factor in programming. Healthcare professionals and teams are within their current environment with equipment specific to the site, use local tools and processes, and integrate provincial aspects. This contributes to identifying quality improvement initiatives locally and identifies themes across the province that can be prioritized by the KMU Team for provincial development.

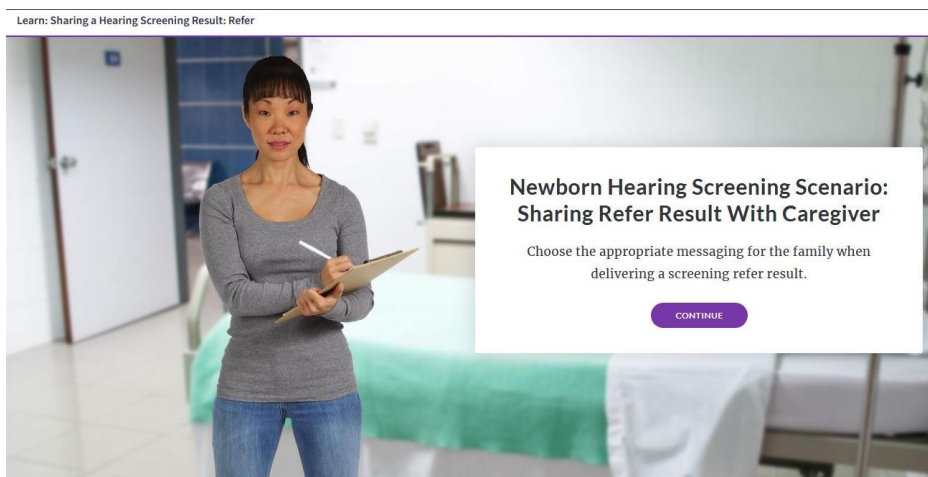


Heat Map of Educational Programming

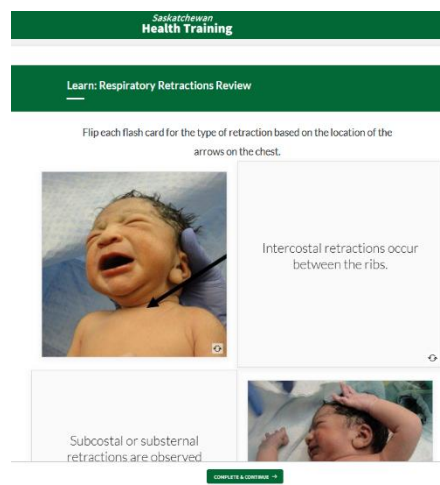
College of Medicine, Division of Continuing Medical Education Educational Design Team

The Educational Program Designer continued to support the KMU in 2022 - 2023. The designer provided tailored solutions and support for the perinatal and pediatric course offerings. An emphasis was set on the development of specialized active learning components that match program and learner needs and the current learning standards for medical education.

The Educational Program Designer continued to work in close cooperation with the KMU Team and provided hands-on pedagogic advice in the planning stage of the asynchronous online modules. In weekly meetings, the designers made themselves available for the coordinators' questions and educational requests. Additionally, the designers provided hands-on advice in individual meetings with the program coordinators and other subject matter experts.



Based on the experience gathered in the previous years, the designer developed a sample portfolio and made it accessible within the SHA's MyLearning education management system within the software program utilized within SHA. This sample portfolio is provided to existing and newly hired KMU Team members including outreach coordinators and content experts for course development. This portfolio includes newly added interactive learning components that were developed using the H5P platform to meet the specific needs of the perinatal courses. An emphasis was set on the development of case-based learning that offers comprehensive learning scenarios.





- Furthermore, the Educational Program Designer contributed to the development of new video learning solutions to enhance the interactivity and accessibility of the learning materials provided in the perinatal courses. During the development stage of new courses, the Educational Program Designer also provided guidance and support regarding accreditation to ensure that the offerings fulfilled the corresponding requirements. Additionally, the Designer shared new pedagogical resources in the field of continuing professional development with the team, for example, comprehensive guidelines for authoring learning objectives and comprehensive evaluation of educational programming.

Curriculum Design

The modules in development and completed in 2022-2023 include:

- Eat, Sleep, Console Nursing Specific
- Eat, Sleep, Console Physician Specific (In Progress)
- Newborn Hearing Screening – All Sites & Regina, Saskatoon, and Prince Albert
- Baby Friendly Initiative
- Supporting Breastfeeding/Chestfeeding Families
- Pediatric High Flow Nasal Cannula Learning
- Pediatric Procedural Sedation (In progress)
- Bronchiolitis High Flow Nasal Cannula Weaning (In progress)

Educational Programming Evaluation

The KMU Team completed a comprehensive review and evaluation of all educational programming facilitated through U of S CME and Maternal and Children's Provincial Program. The importance of evaluation is to assist the team in determining the extent to which our educational programming is being delivered/implemented as intended.

This included the extent to:

- What is being delivered in alignment with the learning objectives and the responses of participants to the evaluation survey questions
- To whom we are delivering education to
- How much education is being delivered with the intended amount necessary
- At yearly evaluation regarding the quality of education

The evaluation summary included components of formative and summative evaluation. The team examined participant feedback from gathered surveys, instructor feedback from discussions and debriefing, participant performance on quizzes within in-person facilitation and virtual modules, and written and verbal communication of kudos or suggestions for improvement from sites. The KMU Team identified opportunities for improvement, continued measurement of change in practice or integration of the education being provided, and continued improvements to the content based on evidence and research.

Highlights from the comprehensive evaluation include:

- Maternal Newborn Care Education evaluation demonstrated that 44% of participants Strongly Agree and 51% of participants Agree that learning objectives were met. Over 91% indicated that the knowledge and skills learned in the workshop and content will be useful in clinical practice.
- Participants on average completed the pre-learning prior to in-person workshops within 7 hours.
- Improvements to the education as recommended by participants in all educational delivery were increased interaction with simulations and debriefing, teamwork and communication practice, integration of discussion on complications, and providing a variety of experiences from the instructors to inform practice.
- The KMU Team will continue to refine online pre-learning content with minor revisions in the content and ensure quizzes reflect assessment of knowledge development.

What did you like most about the Workshop?

What will you integrate into your practice?

- Skill simulations
- How it was tailored to our facility. I appreciate that we had discussions around the things that are specific to us.
- The theory mixed with hands on practice and simulations . I really enjoyed doctors coming to
- Hands on simulation
- Positions, being confident with PPH, aftercare etc
- All of it!
- Postpartum newborn assessment
- PPH have a better understanding birthing positions



Participant comments are very positive

- I like how there is more hands on compared to when I started taking NRP. It makes the day go quicker and it helps to reinforce what we do in the workplace
- I feel miles more prepared after this course than the first time I took it!
- The environment was very conducive to learning and the instructor was amazing
- It was well done! And felt very comfortable/not stressed which was nice
- The Instructors are Awesome! I learned a lot and it will be a great help in our job. I really appreciate that they came to La loche

Education Workshops and Courses

The information related to educational programs can be found [here](#). Advertising of the educational offerings is completed through the Saskatchewan Health Authority, University of Saskatchewan CME, and email distribution. The KMU Team continues to receive numerous requests for education for locations and specific topics by healthcare providers and partners providing maternal and children's care.



The educational programming offered is based on national educational programs or developed internally with expertise from content experts. Information related to the opportunities, challenges, and future planning is focused on in the course/workshop sections below.

Fundamentals of Fetal Health Surveillance (FHS) Provider Workshop



- The KMU Team is identifying a FHS Community of Practice and developing a reporting mechanism within Maternal and Children's Provincial Program. This will assist in connecting national work to the provincial FHS Instructors and leaders within the province thus continuing to strengthen the educational program and identify provincial education, refresher workshop development, and aligning clinical services with the clinical requirement of FHS education with planned obstetrical facilities.
- One major aspect of change in the province will be to integrate the guideline recommendations pertaining to FHS into a provincial standard of care which specifies that all providers of intrapartum care are required to commit to formal education in FHS with a formal educational review every two years as well as regularly attend interdisciplinary discussion of clinical situations. This will ensure effective team communication, shared knowledge, and understanding of FHS and foster the concept of team responsibility.
- The KMU Team continues to collaborate with FHS SBF Canada Steering Committee and Executive Committee in the national program including awarding CME credits (Mainpro+ and MOC credits) at the national level.
- Enhancing access to Fundamentals and Refresher courses in FHS remains a priority.

- Establishment FHS Instructor Trainers to build capacity to deliver the FHS Instructor Workshop. This will ensure the continuation of building a robust number of qualified site instructors province-wide for local sites for delivery.

Neonatal Resuscitation Program (NRP)



- The program continues to offer several “open” NRP courses every month and upon request. The courses are held to ensure access to the course for healthcare providers who may have difficulty accessing locally held courses (e.g. do not have a local NRP Instructor).
- As in past years, the programs coordinated NRP Provider courses for incoming Residents in the College of Medicine in the first weeks of July. The areas where NRP Provider Courses were delivered Family Medicine and Pediatrics PGY-1 were Saskatoon, Prince Albert, Regina Swift Current, Moose Jaw, and LaRonge. The programs also worked with the Department of Pediatrics PGME to hold a course for PGY2 who will be progressing into their 3rd year of Residency program in March.
- The reporting mechanism for Provincial NRP is facilitated through the Maternal and Children’s Neonatal Quality Council. This advises leaders regarding NRP Instructors, challenges, and opportunities to advance neonatal resuscitation care. This collaboration assists in addressing the clinical and educational mandates.

Acute Care of At Risk Newborns (ACoRN)



- The ACoRN program was first delivered in North Battleford Saskatchewan in 2022-2023 by content experts from Jim Pattison Children’s Hospital.
- The requests for the ACoRN Program are frequent with teams expressing the need to gain knowledge and skills related to immediate stabilization of the neonate and assist with care transitions.
- The KMU Team engaged neonatal care content experts and developed five ACoRN Instructors by supporting attendance at the ACoRN Instructor Workshop in Winnipeg Manitoba in June 2022.
- The continued development of the ACoRN program in collaboration with the new ACoRN Instructors providing education to rural and remote centers.
- The reporting mechanism for Provincial ACoRN is facilitated through the Maternal and Children’s Neonatal Quality Council. Continued concentration on the integration of ACoRN education as a mandatory education program based on clinical services and requirements is required in the province.

Maternal Newborn Care Education (MNCE) Onboarding Education - Hybrid

- The programs have a continued collaboration with rural and remote sites to adjust based on local needs and educational opportunities.
- The KMU Team has continued partnership with rural and remote obstetrical teams to implement and deliver the education.

- Engagement and support for standardized education through Maternal and Children's Provincial Program assists in developing a comprehensive provincial Maternal & Newborn Care onboarding curriculum.
- Competency by design education is under development to meet the needs of various service delivery areas. The continued educational development will assist to ensure recognition of the complex nature of maternal newborn practice which is multidimensional, dynamic, contextual, and developmental based on experience, knowledge, skills, and abilities.
- The KMU Team is concentrating on a mentorship model in the upcoming year for MNCE as the basic onboarding to support larger sites in the delivery of standardized and evidence-based education. In higher acuity areas and those with surgical services advanced education building on the basic onboarding education is required.
- Continued development of provincial clinical standards, procedures, and order sets will contribute to ensuring providers have the information they need to care for this population.

PEARS

- Pediatric Emergency Assessment, Recognition, and Stabilization (PEARS) Provider course is an intermediary pediatric skills course that builds on BLS concepts and can be a stepping stone towards certification in pediatric advanced life support (PALS). PEARs equips healthcare providers who periodically care for pediatric patients with foundational skills to participate in the initial management of respiratory and shock emergencies and cardiopulmonary arrest.
- The programs received requests for pediatric education from the rural teams with specific content related to assessment and management. As an initial educational pathway, the Pediatric Emergency Assessment, Recognition, and Stabilization (PEARS) Provider course will provide staff with the foundation for assessment and recognition of deterioration in pediatric patients.
- The KMU Team delivered PEARs to Yorkton staff in November 2021 and June 2022 with success as evidenced by an increase in knowledge and skills related to pediatric assessment.
- The PEARs course was offered and delivered to all Rural Regional Sites with Pediatricians which includes Swift Current, North Battleford, Lloydminster, Prince Albert, and Yorkton following the generous donations from Jim Pattison Children's Hospital Foundation.
- Continuing education specific to pediatric care is essential for healthcare providers to stay current in their field and provide the best care to their pediatric patients.

SUMMARY OF PLANNING and KEY INFLUENCERS FOR 2023 – 2024

- The programs will continue the core activities of education including needs assessment, planning, and delivery of educational programs in perinatal and pediatric care, including former regional workshops, provincial conferences, outreach to rural and remote communities, and consultation services.
- The assessment and evaluation to balance hybrid program delivery, expansion of synchronous/asynchronous learning and combined virtual/in-person learning will ensure adult learning principles and learn where you live philosophy is attained.

- There is a commitment to continue to strengthen the province-wide adoption of the moreOB Quality Improvement Program through Salus Global for obstetrical care providers to provide a standardized approach to care and risk management, continuing education, and practicing as a team across the province.
- The continued ongoing partnership between the University of Saskatchewan and the KMU Team with other key stakeholders assists in identifying how to best address the learning needs of healthcare professionals.

Key influencers in strategic planning for the upcoming year include:

- Further enhance the repository of pedagogic materials created by the educational designers for the perinatal program.
- Introduce active learning components to perinatal program video learning.
- Continue to refine program delivery, expansion of synchronous/asynchronous learning and combined virtual/in-person learning.
- Ongoing development and engagement of the KMU Team including content experts, SHA Leadership, and other key stakeholders to identify how to best address the learning needs of health care professionals in SK.

Respectfully submitted:

Leah Thorp & Katherine Churchman