# Maternal Newborn Child & Youth Strategic Clinical Network

Transformational Roadmap Summary

#### **AHS** Vision

Healthy Albertans. Healthy Communities. Together.

### **MNCY SCN Mission**

To bring together people, evidence and data to achieve the best possible health outcomes for mothers, newborns, children, youth and families within a sustainable publically funded healthcare system.

METRICS THAT MATTER

MyCHILD<sup>ALBERTA</sup> system-linked data sets to improve quality & sustainability

Neonatal Intensive Care Unit (NICU) Dashboard to support clinical & operational improvements

Determine Key Performance Indicators (KPI) that reflect MNCY's vision

# MNCY SCN Vision

Healthy mothers, newborns, children, youth and families

## QUALITY & SUSTAINABILITY

AHS Pregnancy Pathways

Health Outcome Improvement Fund (HOIF)

Clinical Knowledge Topics to support common problems

Improved outcomes for Indigenous populations

Appropriate use of methodology & resources

Support Family Integrated Care in NICU

Pediatric Concussion Pathway

#### Successes

46/50 Hospitals have implemented the Normal Postpartum & Newborn pathways

The MNCY SCN Health Outcomes Improvement Fund supports 19 pediatric, neonatal and obstetrical research projects for a total of \$3.1 million

Clinical pathways & associated medical order sets developed for Induction of labour, Pediatric Concussion, Pediatric Diabetic Ketoacidosis, & Postpartum Hemorrhage

3 Indigenous community outcome improvement projects funded through MERCK & Alberta Innovates

\$5 Million savings from discontinuation of fetal fibronectin usage

5/10 Level 2 NICUs have implemented Family Integrated Care

Research project underway to implement and evaluate the pediatric concussion pathway in 5 Alberta emergency departments

Innovation

& Knowledge

Translation

# **Guiding Principles**



Clinical Network™

Alberta Health Services Maternal Newborn Child & Youth Strategic Healthy

Healthy Albertans. Healthy Communities. Together. Coordination & Collaboration

# ACCESS & CAPACITY

Sustainable Pediatric & Neonatal workforce

Optimized pediatric capacity supported through Standardized Pediatric Nursing Education & Telemedicine support for physicians

Improved Access to obstetric care for rural, Indigenous & marginalized populations

Facilitated transitions for families of children with complex care needs to adult services

#### **Successes**

- Neonatal clinical assistants to address pediatrician workforce crises in regional hospitals
- Pilot project to be implemented using telemedicine between ACH & Medicine Hat
- Supporting Corridors of Care pilot with development of antenatal pathway
- Clinical practice guidelines developed to support criteria for obstetrical care, assessment of risk for preterm labor, care of the late preterm newborn, obstetrical triage, NICU capacity management, & developmental of care in the NICU
- Research project underway to examine effectiveness of transitions navigator for children with complex needs



Focus on Outcomes

## Successes MyCHILDALBERTA built in

partnership with PolicyWise, funded by WCHRI, Alberta Innovates, U of C Pediatrics, & supported by 4 data analysts

Modified Delphi process used to develop Key Performance Indicators