

## **Appendix 4: Development of Standardized Practice Bundles for Respiratory and Nutritional Care**

The following steps will guide the development of the care bundles:

1. An environmental scan will be conducted to see the practices used across the province of Alberta. The research team will reach out to the 12 NICUs in Alberta to attain practice guidelines (or any form of guidelines) for nutrition and respiratory care in Moderate and Late Preterm infants 32-36 weeks gestation.
2. Systematic literature searches will be conducted to assess 1) nutrition and 2) respiratory practices and their associated health outcomes in preterm infants 320/7 to 366/7 weeks gestational age. Searches will favor high quality systematic reviews and randomized clinical trials over observations studies.
3. Grading of Recommendations Assessment, Development, and Evaluation (GRADE) Methodology (<https://gdt.gradepro.org/app/handbook/handbook.html>) will be used to evaluate and further refine the evidence for practice recommendations and inclusion into the care bundles. All reporting will be done following PRISMA guidelines.
4. A modified Delphi methodology will be used to establish clinical consensus for the finalized practice care bundles.