



# Antenatal Optimisation – A Neonatal Nurse Perspective

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## Perinatal Excellence in Reducing Injury in Premature Birth (PERIPrem)

- Collaboration between 2 Academic Health Science Networks (AHSN's)
- A bundle of 10 evidence-based interventions aim to improve survival of preterm babies without brain injury
- In line with NHS long term plan achieve 50% reduction in neonatal mortality and serious brain injury by 2025.
- Aim for 85% compliance throughout the duration of the project





PERIPrem aligns with the antenatal optimisation tool

 Antenatal steroids, Magnesium Sulphate & birth in the right place – 3 of the bundle elements

• There is a successful history regarding the use of these bundle elements

PERIPrem focusses on mothers receiving both medications in a timely manner

Achievable assuming accurate prediction of preterm labour utilising tools such as the QUIPP AP





#### The PERIPremTeam

Neonatal Consultant
Neonatal Nurse Champion
Obstetric Consultant
Midwife Champion

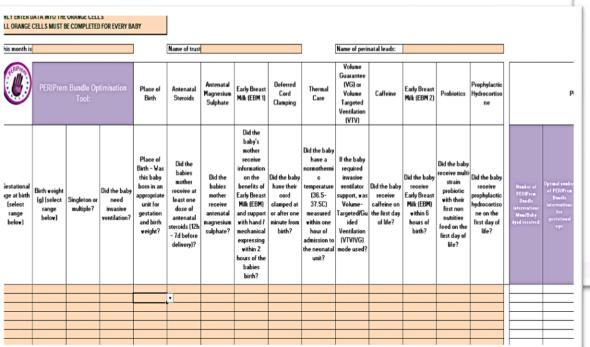
- Supported by the 2 AHSN's
- Shared resources, collaboration & support to drive improvement
- Quality Improvement (QI) coaching

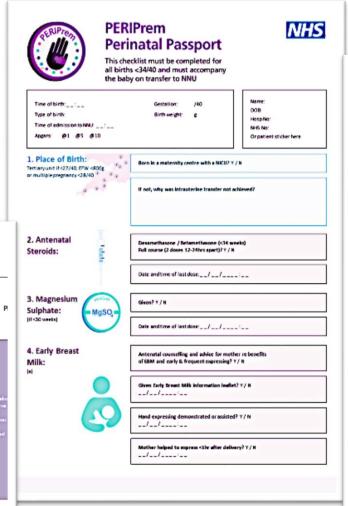


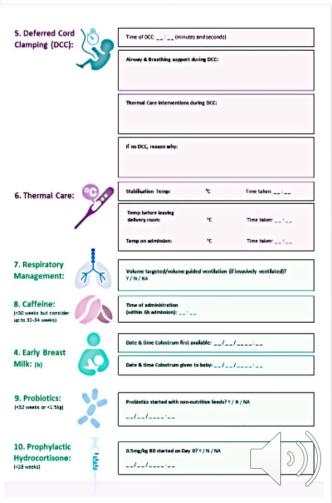


#### Quality Improvement Methodology

- Passport
- Optimisation Tool









#### Challenges/Barriers!

- Challenges continue around the use of antenatal steroids & MgSO<sub>4</sub>
- Results of National data show birth in the right place is still a challenge
- Accurate documentation
- Involve key staff





#### What Works Well?

Excellent enthusiastic teams!

Information boards on NICU & CDS

Regular teaching sessions

Simulation training

Team motivation



			Percentage Meeting PeriPrem Criteria:			
St Michael's		PeriPrem Target	Baseline 2019/20	Year to Date 2020/21	Change from Baseline	
	Birth in the right place*	85%	78%	62%	<b>1</b>	-16%
	Antenatal Steroids	90%	92%	100%	1	8%
MgSO <sub>4</sub>	Magnesium Sulphate	90%	82%	100%	1	18%



### Thankyou!

