

National Patient Safety Improvement Programmes



Preterm Perinatal Optimisation Care Pathway

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@NatPatSIP / @MatNeoSIP

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Delivered by:

The AHSN Network

Led by:

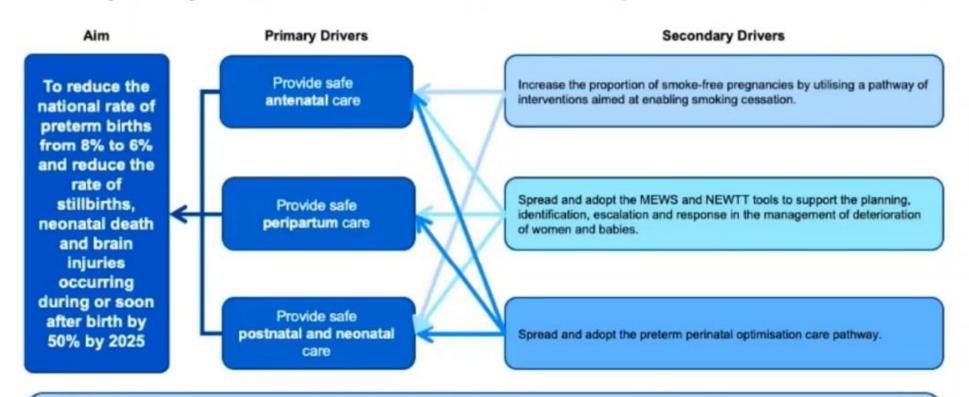
NHS England NHS Improvement



Programme aim



Reduce the rate of still births, neonatal death and brain injuries during or soon after birth by 50% by 2025; and to reduce the national rate of preterm births from 8% to 6%.



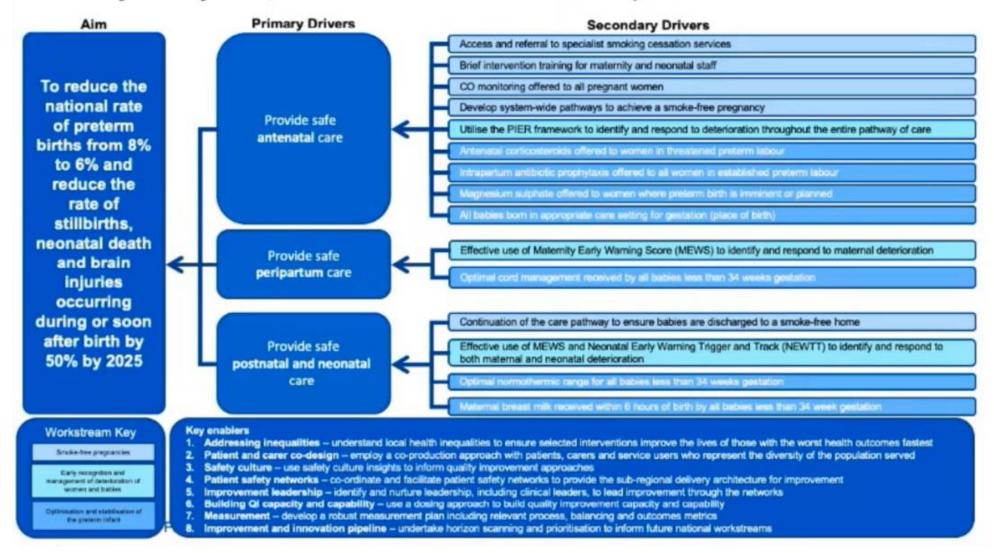
Key enablers

- 1. Addressing inequalities understand local health inequalities to ensure selected interventions improve the lives of those with the worst health outcomes fastest
- 2. Patient and carer co-design employ a co-production approach with patients, carers and service users who represent the diversity of the population served
- 3. Safety culture use safety culture insights to inform quality improvement approaches
- 4. Patient safety networks co-ordinate and facilitate patient safety networks to provide the sub-regional delivery architecture for improvement
- 5. Improvement leadership identify and nurture leadership, including clinical leaders, to lead improvement through the networks
- 6. Building QI capacity and capability use a dosing approach to build quality improvement capacity and capability
- 7. Measurement develop a robust measurement plan including relevant process, balancing and outcomes metrics
- . Improvement and Innovation pipeline undertake horizon scanning and prioritisation to inform future national workstreams

Programme aim



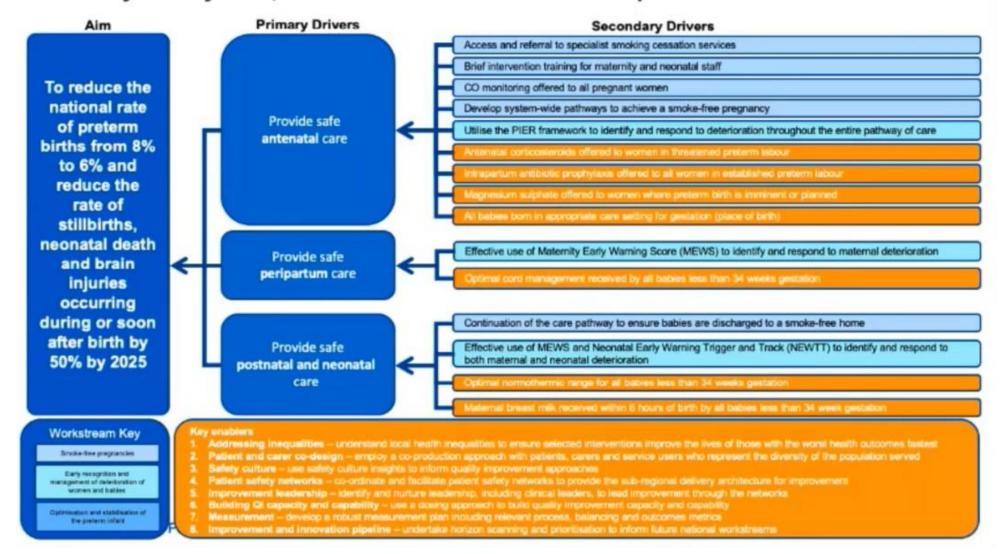
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Preterm birth is the most important single determinant of adverse infant outcome with regards to survival and quality of life. Babies born preterm have high rates of early, late, and post-neonatal mortality and morbidity.

Around 55,000 babies are born preterm each year. This represents a national preterm birth rate of 8% in England and Wales.

As outlined in Safer Maternity Care (DH, 2017), preterm birth is a major health inequality with mothers in the most deprived 10% income group twice as likely to have preterm births compared to those from the least deprived decile.

The proportion of preterm births also varies by ethnicity, with Black Caribbean infants more likely than others to experience preterm birth.





To encourage additional focus on reducing preterm births, the Department of Health (2017) set an ambition to reduce the national rate of preterm births from 8% to 6%.

Optimising outcomes for the preterm infant are a vital component of perinatal care. MatNeoSIP will continue to strengthen improvement efforts in this area as recommended in the National Neonatal Critical Care Review (2019) and element 5 of the Saving Babies Lives Care Bundle v2.0 (2019).

There are significant financial costs surrounding preterm births, both for interventions in the short term, and the longer-term financial impacts on health services, education services, and the family involved in caring for a baby born preterm. Preterm birth is estimated to cost health services in England and Wales £3.4bn per year (NICE, 2015).

Background: current state



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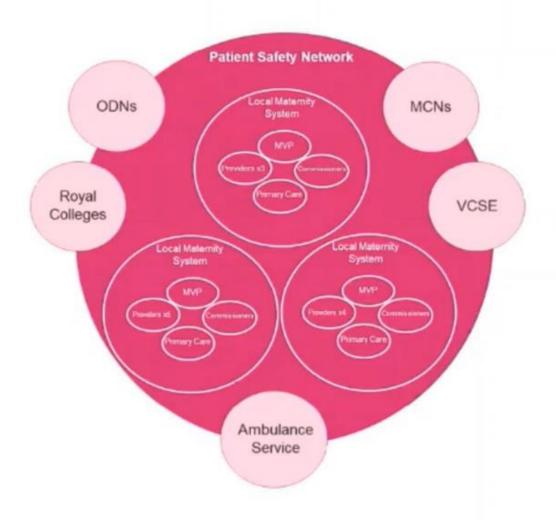


How does this align with national priorities?



How will we deliver the improvements?





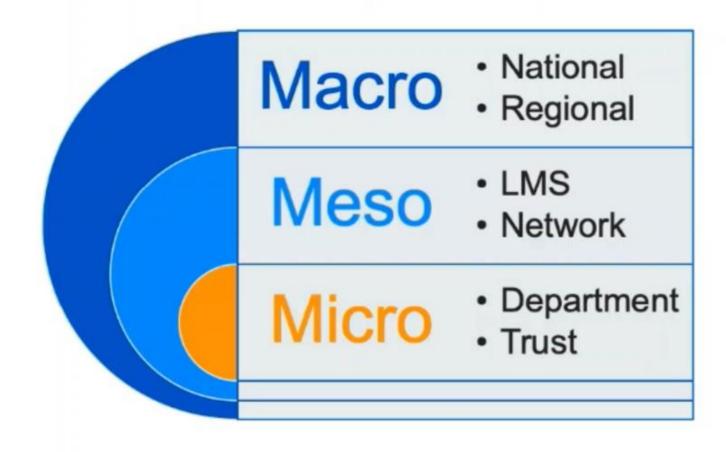
How will we approach optimisation?





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Antenatal Corticosteroids

- Highly beneficial
 - Focus often on respiratory improvements
 - · Depends on whose view we use
- Easy to administer
- Low impact on mother
- Issues over repeated dose
- Seen as an 'in the moment' intervention
- Needs time to work effectively
- Change the narrative
 - Trust interventions that support care more
 - Avoid 'just in case' prescribing







Optimising place of birth

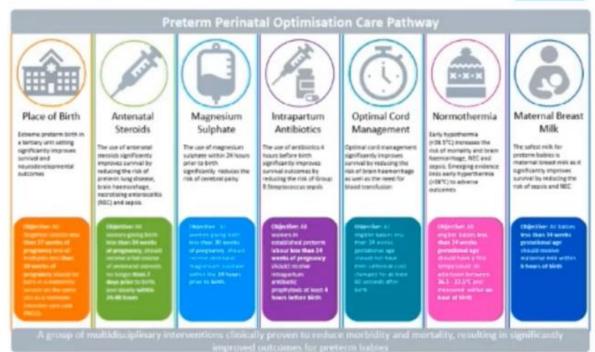
- Well understood benefits
- Requires system level approach
- Opportunity to get upstream of the issues
 - · Early birth clinics
 - Working with patient groups/MVPs

How can we best support practice?









- Interactive care pathway tool
- Gestation and geography sensitive tool
- Balance between the 'what' and the 'how'



What are the key enablers for system safety?







= Bundle

Proportion of women & babies who receive ALL of the relevant interventions

- 1. Outcome measures
- 2. Process measures
- 3. Balancing measures



What are the key enablers for system

safety?



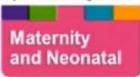


What are the key enablers for system safety?

- To improve the quality and safety of care
- To reduce down the unwarranted clinical variation in care
- To improve the experience of care for mothers and families







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