

# House Keeping

- Please ensure your microphone and video are turned off during the session unless asked otherwise. This is to help with the streaming of the session.
- If you need to take a break, please feel free to drop off the call at any time and re-join.
- Live captions are available if required.
- This event will be recorded and photographs may be taken.
- Please ask any questions you have through the chat facility. We will try to address questions during the event, but if we don't manage to do this we will follow up after the event.
- If you can't see the chat please email your question/s to [gemma.todd@healthinnovationnenc.org.uk](mailto:gemma.todd@healthinnovationnenc.org.uk)
- Speaker presentations and the recording will be circulated following the event.



Maternity  
and Neonatal

# Preterm Birth Antenatal Steroids Event

Monday 25<sup>th</sup> March 2024 – 14:00 – 16:00

Delivered by:

North East and North Cumbria  
**Patient Safety Collaborative**



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# Welcome

Dr Alex Patience

Delivered by:

North East and North Cumbria  
**Patient Safety Collaborative**

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<b>Timings (Approximate)</b>	<b>Agenda Item</b>	<b>Speaker</b>
14:00	<b>Welcome</b>	Dr Alex Patience Consultant Obstetrician, Royal Victoria Infirmary NENC Preterm Birth Group Chair
14.05	<b>Data Presentation</b>	University Hospitals Plymouth NHS Trust
14.25	<b>NENC data</b>	Julia Wood MatNeoSIP Lead – NENC Patient Safety Collaborative
14.35	<b>The North Manchester General Hospital Journey</b>	Helena Spencer Labour Ward Manager North Manchester General Hospital
15.05	<b>Provisional: The Bolton NHS Foundation Trust Journey</b>	Lesley Wilson Intrapartum Matron Bolton NHS Foundation Trust
15.25	<b>Next steps</b> <ul style="list-style-type: none"> <li>• <b>Key takeaways from the presentations</b></li> <li>• <b>What do we do well in NENC?</b></li> <li>• <b>What could we do differently?</b></li> <li>• <b>What support is needed at system level?</b></li> </ul>	All
16.00	<b>Close</b>	Dr Alex Patience

## What we know

All women giving birth before 34 weeks of gestation, should receive a full course of antenatal steroids no longer than 7 days prior to birth, and ideally completed 24-48 hours before birth



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# Data Presentation

University Hospitals Plymouth NHS Trust

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PERIPrem

Antenatal Optimisation

An exploration into our Steroid Administration at UHP

RG

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# NENC Data

Julia Wood

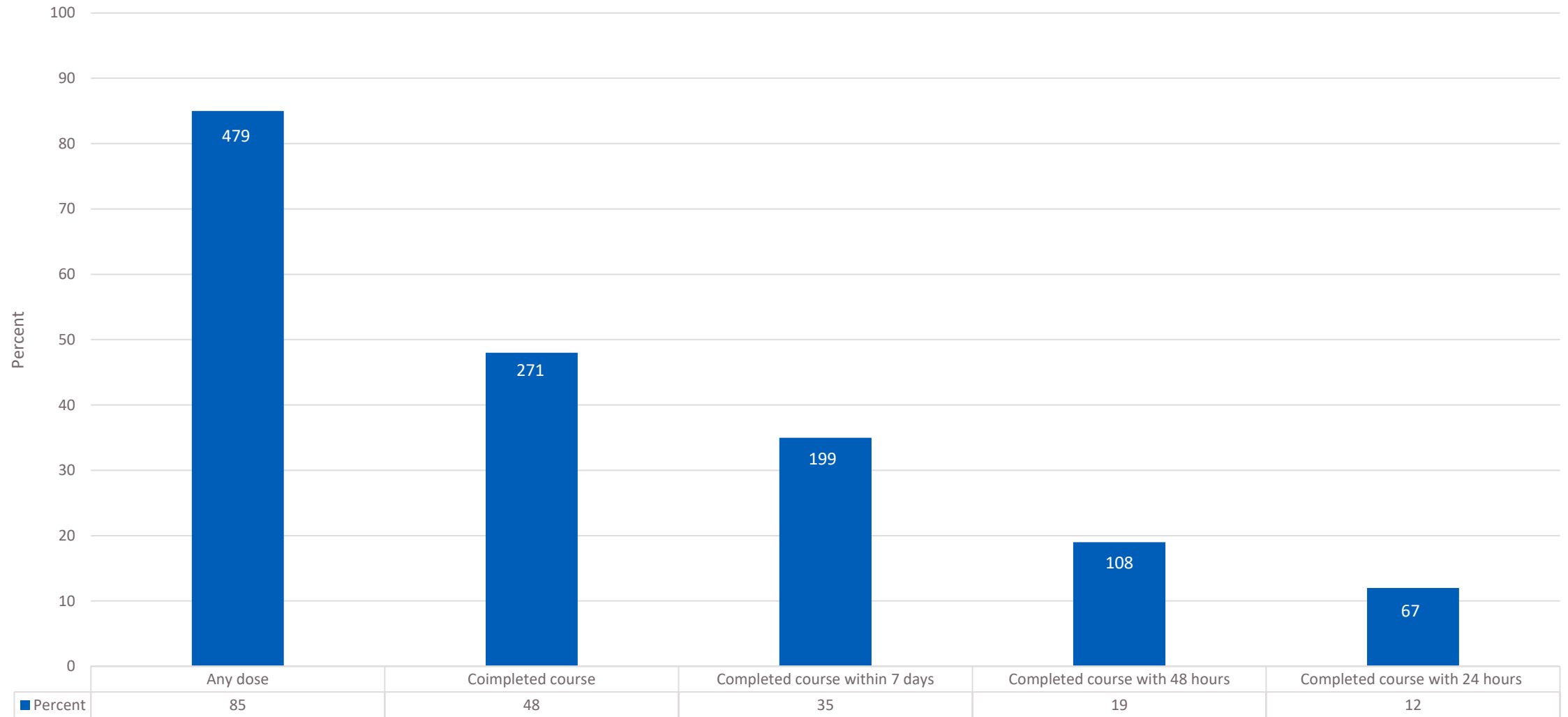
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## NENC 2023 data

- All women giving birth before 34 weeks of gestation, should receive a full course of antenatal steroids no longer than 7 days prior to birth, and ideally completed 24-48 hours before birth
- NENC 2023:
  - 563 eligible
  - Babies who received any dose
  - Babies who received a full course (regardless of timing)
  - Babies who received a full course within seven days of birth
  - Babies who received a full course in the prior 24 hours before birth and within 7 days of birth
  - Babies who received a full course in the prior 48 hours before birth and within 7 days of birth

<34 weeks Antenatal Steroids 2023  
(eligible 564)





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# The North Manchester General Hospital Journey

Helena Spencer

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# Managing Pre term birth and steroids in a level 2 unit

St Marys at North Manchester

Part of MFT Manchester Foundation Trust

North Manchester General Hospital

We are a level  
2 unit and  
would transfer  
in utero or as a  
neonate any  
babies born  
<29 weeks

Births from January 2023  
–January 2024 3433

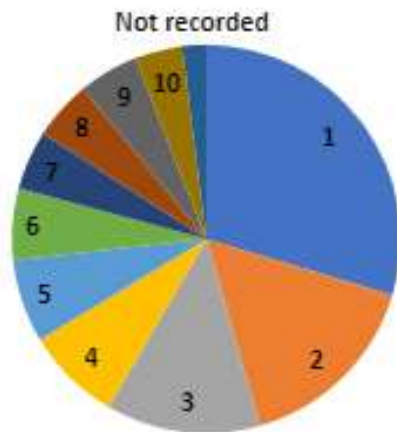
Births < 34 weeks 44

# Who are we at St Marys at North Manchester

Our Demographic

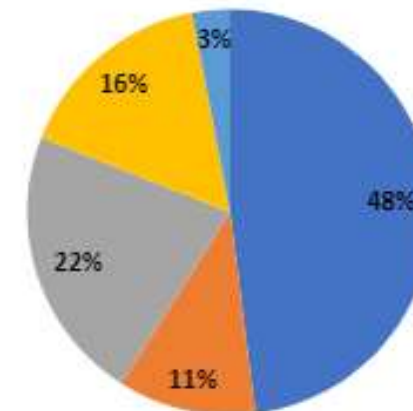
DEPRIVATION SCORE SM MCS AVERAGE

■ 1 ■ 2 ■ 3 ■ 4 ■ 5 ■ 6 ■ 7 ■ 8 ■ 9 ■ 10 ■ Not recorded



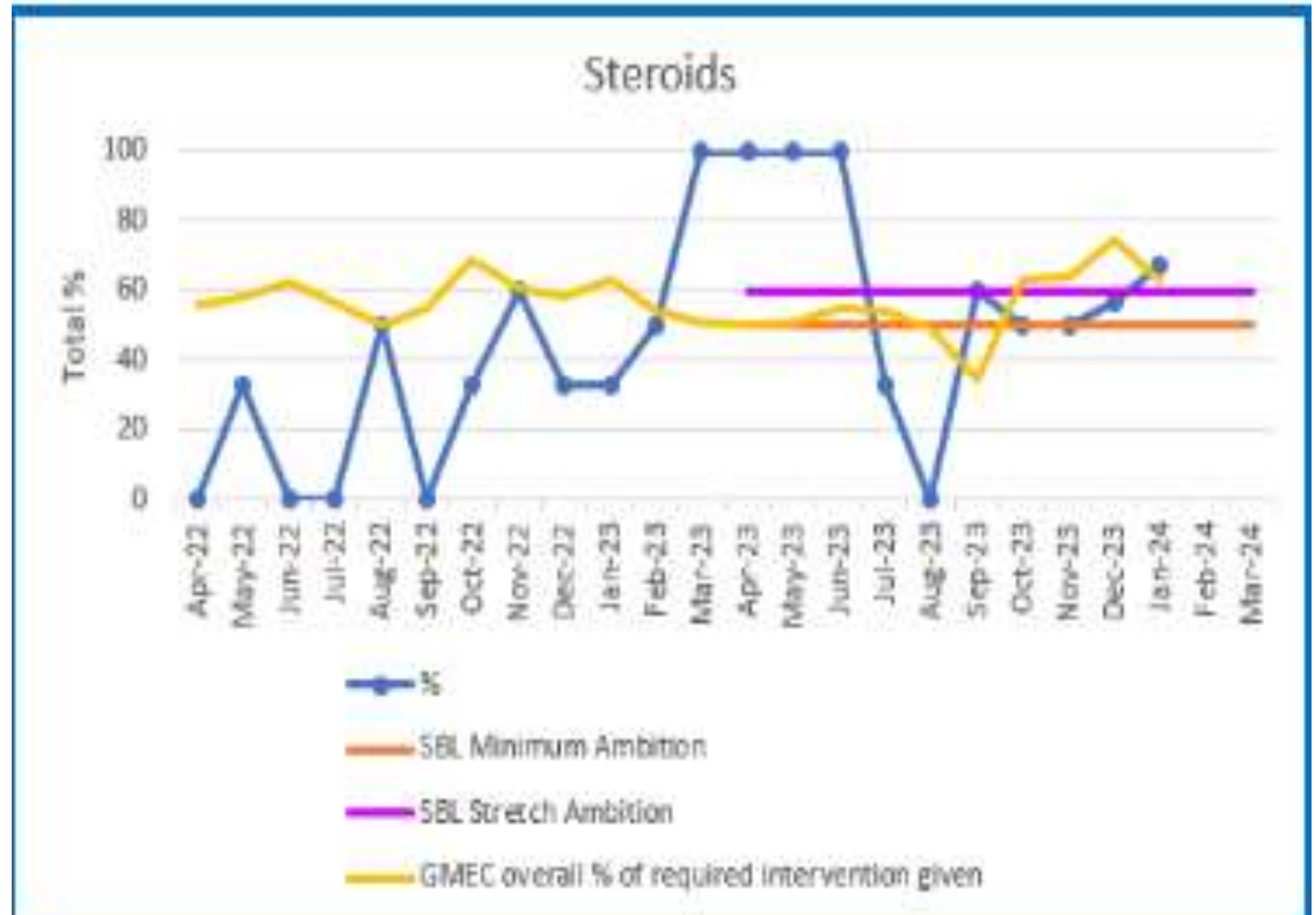
ETHNICITY SM MCS AVERAGE

■ White British ■ Black British/African ■ Asian/Asian British  
■ Not Recorded ■ Mixed Ethnic Background



# Where we were

- We started our Mat Neo journey in 2021 and our compliance then was 35%





Of our 44 Births  
we have had challenges in ensuring we are  
achieving pre term optimisation. These include

- Late presentation in labour to an inappropriate setting ie. a and e /triage
- Fetal compromise that required emergency birth
- Data collection
- Timing of steroid administration ???
- Lack of FFN/amnisure
- Use of Quipp app
- Recognising signs of pre term birth

Where we  
are



## Optimisation tool for preterm deliveries.

January 23-january 24

Number of Babies

< 34 wks

44



Place of Birth

Born outside of an appropriate  
care setting

< 29 weeks

3(7%)



Antenatal  
Steroids

Antenatal Steroids

<within 7 days of delivery <34 wks

(25)56%



Magnesium  
Sulphate

Antenatal Magnesium Sulphate

< 30 wks

(7)63%

(31)70%

# How are we increasing steroid administration

Support calls from Mat neo sip/health innovation agency/away days –all invaluable !

We discuss at each huddle if there are any pre term births and discuss remembering our optimisation which is administering

- MGS04
- IV antibiotics
- Steroids
- We are trying to increase our administration as a “ three pronged approach” which means if we are thinking of one we should be administering all 3.
- We now (from march 24) are reviewing each baby at perinatal transfer meeting to look at our optimisation and where we have achieved or not so we can provide any feedback at the time to our neonatal /intrapartum/preterm leads

Where we  
are now



# 2024

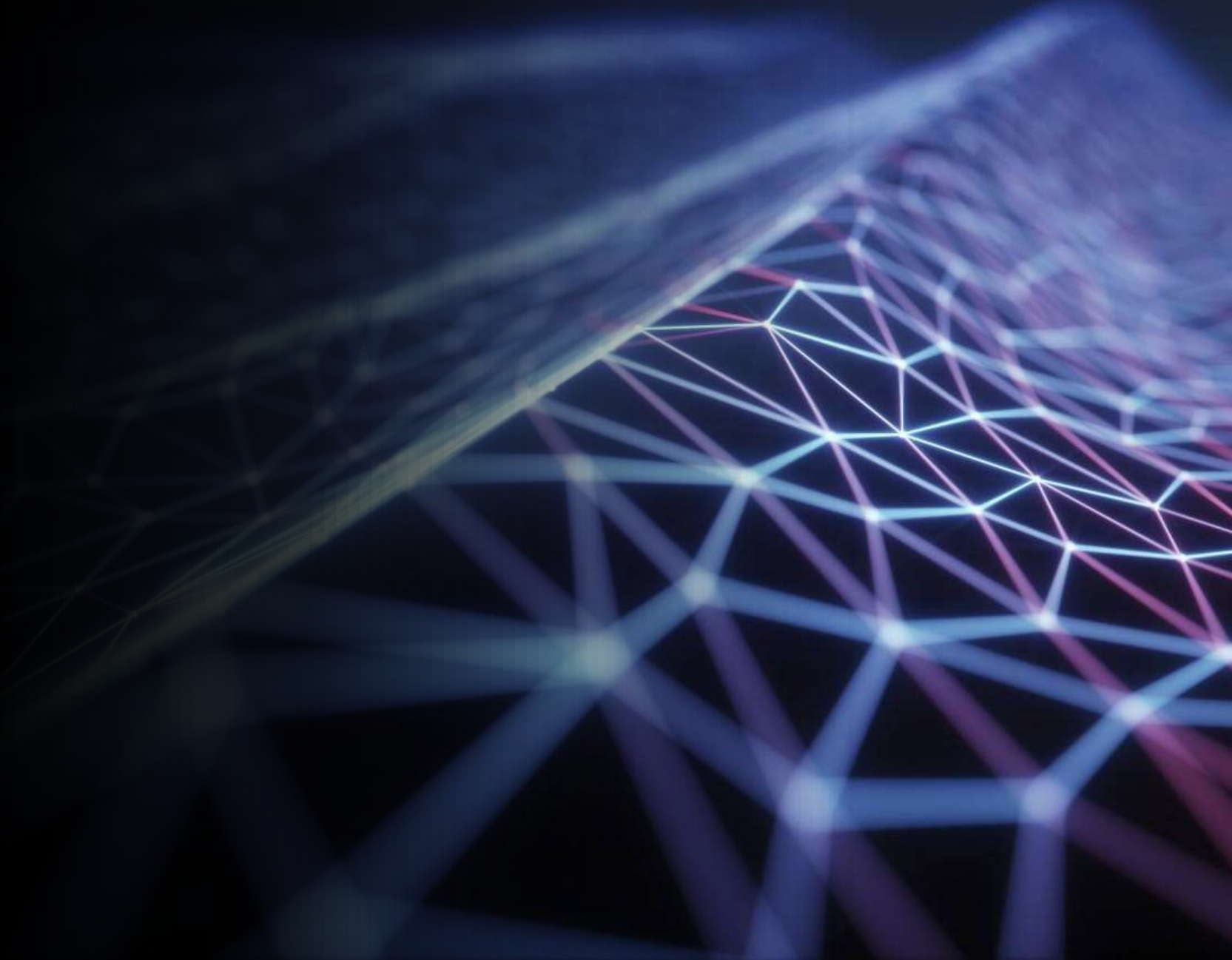
- Currently at 64% for steroids
- ( 1 given 9 days prior to birth)
- 2 precipitate birth/BBA





## How we move forward

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- Ongoing work with data collection-HIVE V BADGERNET
  - Pre term birth to be added to fetal surveillance day
  - Appointment of pre term midwife
  - Appointment of pre term consultant
  - Pre term antenatal clinic x 2 per week
- 



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# The Bolton NHS Foundation Trust Journey

Lesley Wilson

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**Patient Safety Collaborative**



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# Next Steps

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## Next steps

- Key takeaways from the presentations
- What do we do well in NENC?
- What could we do differently/what else could we do?
- What support is needed at system level?



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# Close

Dr Alex Patience

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