



# Where are we now?

North East & North Cumbria



# Recap:

- We have 9 Trusts with 11 units
- Each unit has a named midwife, obstetric & neonatal lead
- We have a flow chart for the process of case review
- We have an audit proforma for on-going case review
- We have a draft regional precept guideline
- We have completed a retrospective audit



- We have 9 Trusts with 11 units:
  - CDDFT – Durham & Darlington
  - Newcastle – RVI
  - Gateshead
  - South Tees
  - North Tees & Hartlepool
  - South Tyneside
  - Northumbria
  - Sunderland
  - Cumbria – West Cumberland & Carlisle
  - South Tyneside

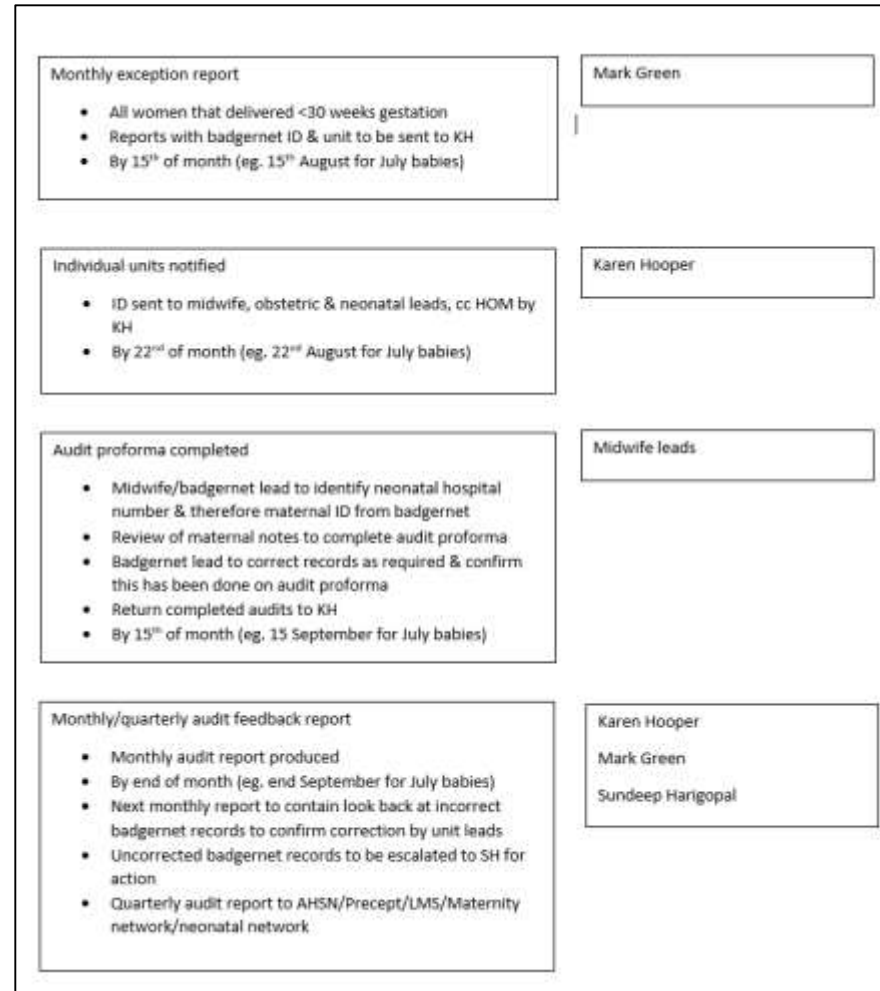


- Each unit has a named midwife, obstetric & neonatal lead:

	Midwife	Obstetric	Neonatal
Durham	Suzie Purvis	Jemma Yorke	Jan Klinke
Darlington	Paula Singleton	Michaela Weingarten	Jan Klinke
RVI	Gemma Taylor	Trez Hannon	Sundeeep Harigopal
South Tees	Sue Copley	Helen Simpson	Shalabh Garg
North Tees	Kady Latif	Donna Fincham/Mira Bapir	Sue Stones
Gateshead	Claire Cameron	Iain Cameron/Celia McKee	
South Tyneside	Marie Smark	Umo Esen	Lilian Malcolm
Northumbria	Kathryn Hardy	Vinita Raheja	George Brooks
Sunderland	Denise Mace	Cathy Emmerson	Chike Onweneme
Carlisle	Elizabeth Leighton	Mr Ravimohan	
West Cumberland	Sarah Hargreaves	Mr Jamjute	Hannah Rutter



- We have a flow chart for the process of case review:





- We have a flow chart for the process of case review:

Monthly exception report

- All women that delivered <30 weeks gestation
- Reports with badgernet ID & unit to be sent to KH
- By 15<sup>th</sup> of month (eg. 15<sup>th</sup> August for July babies)

Mark Green

Individual units notified

- ID sent to midwife, obstetric & neonatal leads, cc HOM by KH
- By 22<sup>nd</sup> of month (eg. 22<sup>nd</sup> August for July babies)

Karen Hooper



- We have a flow chart for the process of case review:

Audit proforma completed

- Midwife/badgernet lead to identify neonatal hospital number & therefore maternal ID from badgernet
- Review of maternal notes to complete audit proforma
- Badgernet lead to correct records as required & confirm this has been done on audit proforma
- Return completed audits to KH
- By 15<sup>th</sup> of month (eg. 15 September for July babies)

Midwife leads



- We have a flow chart for the process of case review:

Monthly/quarterly audit feedback report

- Monthly audit report produced
- By end of month (eg. end September for July babies)
- Next monthly report to contain look back at incorrect badgernet records to confirm correction by unit leads
- Uncorrected badgernet records to be escalated to SH for action
- Quarterly audit report to AHSN/Precept/LMS/Maternity network/neonatal network

Karen Hooper

Mark Green

Sundeep Harigopal





- We have a draft regional precept guideline:



- We have an audit proforma for on-going case review:

<b>Badgernet ID:</b>		
Gestation:		
Delivering Unit:		Labouring unit (if different):
Birth	Date:	Time:
Admission	Date:	Time:
Were steroids given?	Date:	Time:



Was magnesium sulphate given (if gestation below 30 weeks)?

Yes

No

Unknown

*If yes, is information correct on badgernet?*

Yes/No

*If information not correct – have you corrected it?*

Yes/No

If No, reason:

Unknown

Treatment contraindicated  – please state reason

Birth urgency (< 1 hour to birth)

Not offered

Mother declined

Not indicated (due to gestation?)



Regime given:

**Loading Dose:** 4g Magnesium Sulphate (8mls diluted in 12mls N/Saline) given as bolus over 5 – 10 mins:

Date:

Time:

**Maintenance Dose:** Magnesium Sulphate 1g/hr for 24hrs or until birth (date and time started):

Date:

Time:



We have completed a retrospective audit (Jan – June 2018):

	Total Births	Total births <30 weeks	Exception reports*	Eligible babies that received MgSO4**
Durham	1320	2	1	1 (50%)
Darlington	938	3	1	2 (66%)
RVI	3146	47	20	27 (57%)
South Tees	2130	32	7	25 (78%)
North Tees	1335	5	0	5 (100%)
Gateshead	886	1	1	0 (0%)
South Tyneside	438	1	1	0 (0%)
Northumbria	1468	2	1	1 (50%)
Sunderland	1571	21	1	20 (95%)
Carlisle	742	1	0	1 (100%)
West Cumberland	534	1	0	1 (100%)
<b>Total (NENC)</b>		<b>116</b>	<b>33</b>	<b>83 (72%)</b>

\*Any baby <30 weeks recorded as not had/unknown

\*\*according to badgernet data



- We have completed a retrospective audit:
  - January 2018 - June 2018
  - 37 audit proformas sent out
    - 36 returned
    - 4 cases excluded
    - Total of 33 exception reports with 32 completed audit proformas
  - Audits completed by unit risk management midwives
  
- NNAP results – 2017 report (2016 data)

Neonatal network	No of eligible mothers	MgSO4 given	MgSO4 not given	Missing/unknown
Northern Neonatal ODN	195	63 (32%)	51 (26%)	81 (42%)



- We have completed a retrospective audit: Results
- 33 exception reports
- 13 eligible mothers **DID** receive MgSO<sub>4</sub> as indicated\***1**
- 9 did not receive it\***2**
- 11 didn't receive it\***3**



- We have completed a retrospective audit: Actions
- Group discussions

\*1

Badgernet data incomplete/wrongly completed

\*2

Eligible women did not receive MgSO<sub>4</sub> – not considered, guideline not followed, had steroids but not MgSO<sub>4</sub>, class 2 delivery, sepsis

\*3

Eligible women did not receive it due to rapid delivery, class 1 delivery





Feedback from group discussions