



Northern Neonatal Network

Quarterly Report

Q4 Jan-Mar 23



This report is a summary of the dashboard data submitted every month by each of the 8 Trusts that make up the Northern Neonatal Network. These figures are taken from both the BadgerNet Database where the required data is available and the Dashboard returns that have been supplied to the network each month.

It is important to note the following when looking at these reports;

- All reports use the BAPM 2011 definitions. This includes a “Normal Care” category. If ONLY “Carer resident – caring for baby” or the “None or >4hourly intervals” for observations/monitoring on the “general summary” page is ticked, this will classify as a “normal care” day. Under current commissioning guidance, unlike “special care” days, these are not funded. We have included these days as they are what the system reflects for each Unit. You may wish to check these for accuracy of reporting purposes.
- Transitional Care (TC) activity is usually supplied manually via the Monthly data Dashboards and reported where available. Some Units are moving to admit TC babies onto Badgernet but currently other “TC days” on the system typically refer to pre-discharge “rooming in” activity or “place of care” being wrongly ticked. However, all are included as available
- The staffing level reports are calculated by mapping nurse staffing levels submitted by Unit managers via Badgernet against the activity (baby numbers and their level of care) generated by the BAPM 2011 definitions.
 - The definitions for each of the included items are those given on the dashboard.
- The reports relating to transfers in Section 3 are taken entirely from the transport record sheets completed by NNeTS (Northern Neonatal Transport Service). Interpretation of these in respect of some of the coding (particularly relating to “urgency”) is often highly subjective, but to minimise this, we have tried to rely on just a few key definitions that may still provide a useful indication of our Network’s transport team’s activity. The charts are therefore accompanied by some boxes that explain the basis for the definitions used.
- Many of these metrics and reports are replicated for the three Local Maternity Systems (LMS) in our region and distributed separately to the appropriate stakeholders in them where they are discussed in their relevant Board meetings
- We are working with the Maternity Network to try and get gestational birth data for more accurate reporting, however, this is a work in progress, hence the incomplete charts on page 2 but this remains our aim and will be in the format as laid out there once available.
- Rolling 1-year IC and VLBW (<1500g) admissions data is now included for the 3 NICUs to monitor the impact of the recently commissioned and now fully operational 4 new IC cots at the RVI.

We continue to invite constructive criticism and feedback from all our Stakeholders across the Network to further refine and improve them. It is our hope that these quarterly Reports will continue to provide a rich but useful source of data for both Network and individual Units/Trusts and help determine issues across the Network in all our Units in relation to their activity and capacity, thus informing future strategic discussions and planning of neonatal services.

As always, the aim of this is to provide the very best service available to the babies and families within our Network and thus meet our one core principle – “To give the highest possible standard of safe, effective care to babies and their families.”

Martyn Boyd, Network Manager/Mark Green, Network Data Manager March 2023

Section 1 - Activity

Indicator	RVI	James Cook	Sunderland	North Tees	Cramlington	Carlisle	Darlington	UHND	Gateshead	West Cumberland
Births										
Live Births	1413	1096	859	489	757	346	430	551	422	243
Gestation										
<23							*	*	*	
23-27							*	*	*	
28-31							*	*	*	
32-36							26	37	25	
=>37							403	512	394	
Birth Weight										
<750							*	*	*	
750-999							*	*	*	
1000-1499							*	*	*	
1500-1999							6	*	*	
2000-2499							22	24	23	
>=2500							400	520	394	
Admissions										
Total Admissions	242	117	86	60	79	50	41	72	46	27
1st Admissions	184	87	65	50	52	40	34	61	35	19
Term admissions	95	36	32	24	30	20	19	40	22	14
VLBW admissions	24	17	16	*	*	*	*	*	*	*
1 Year rolling VLBW	120	120	71							
% term admissions (births)	6.7%	3.3%	3.7%	4.1%	4.0%	5.8%	4.4%	7.3%	5.2%	5.8%
% term admissions (admissions)	51.6%	41.4%	49.2%	48.0%	57.7%	50.0%	55.9%	65.6%	62.9%	73.7%
TC admissions	245	81	71	33	28	19	110	128	46	-
Care Days										
IC days	763	261	235	8	11	9	6	12	1	6
1 year rolling IC	2853	1337	882							
HD days	656	704	266	31	40	24	43	31	57	11
SC days	1072	1139	747	594	576	262	321	426	303	177
NC days	26	5	1	1	28	17	1	19	36	6
TC days	893	356	178	73	61	48	205	236	166	-

Inpatient after 44 weeks corrected gestation

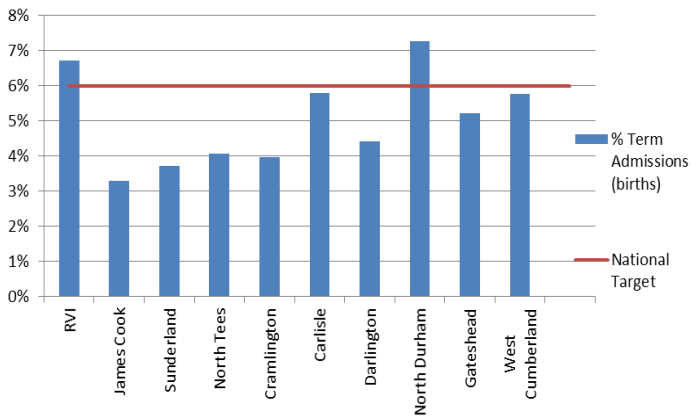
Unit	Admissions	I/P after 44wks	% still inpatient
RVI	242	2	0.8%
James Cook	117	0	0.0%
Sunderland	86	0	0.0%
North Tees	60	1	1.7%
Cramlington	79	4	5.1%
Carlisle	50	0	0.0%
Darlington	41	0	0.0%
North Durham	72	0	0.0%
Gateshead	46	1	2.2%
West Cumberland	27	1	3.7%

<30 week exceptions

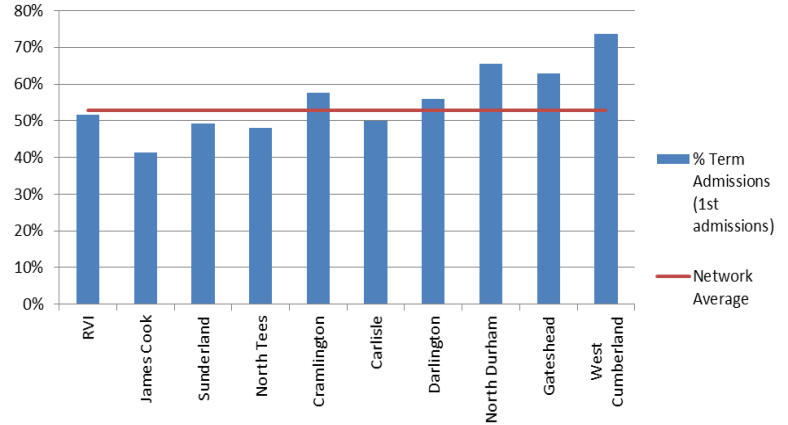
Unit	Booked	Delivered	Exception
North Tees	3	2	67%
Cramlington	7	4	57%
Carlisle	2	2	100%
Darlington	0	0	N/A
North Durham	4	2	50%
Gateshead	3	3	100%
West Cumberland	1	0	0%

Booked	20
Delivered	13
Pathway Exception	65%

Term admissions rate as % of total births Jan-Mar 2023



Term admission as % of all admissions Jan-Mar 2023

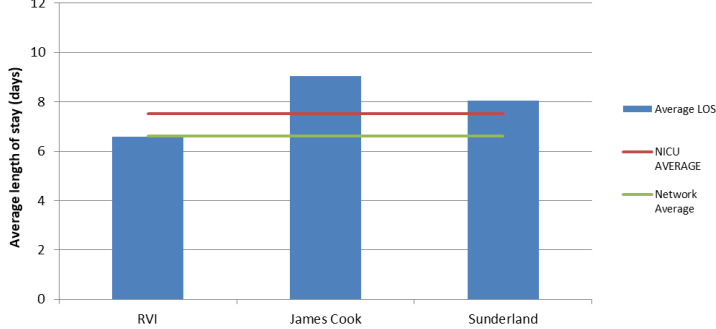


¹ Calculated using 1st episodes admissions and total births.

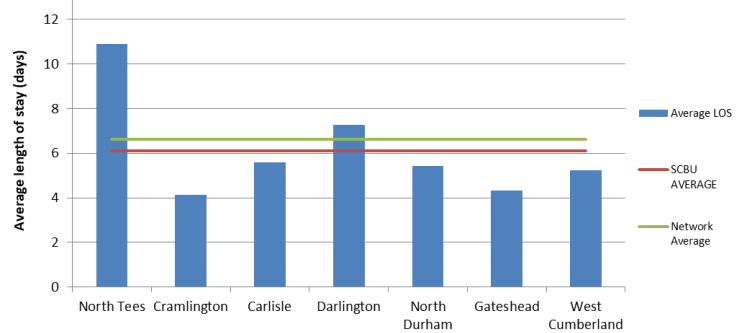
² Calculated using 1st episodes term admission as a percentage of 1st admissions.

Section 2 – Length of Stay³

Average length of stay NICU's (32+ gest) Jan-Mar 2023



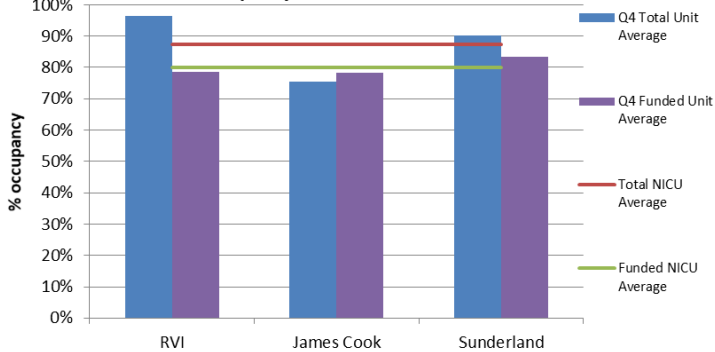
Average length of stay SCBU's (32+ wks gest) Jan-Mar 2023



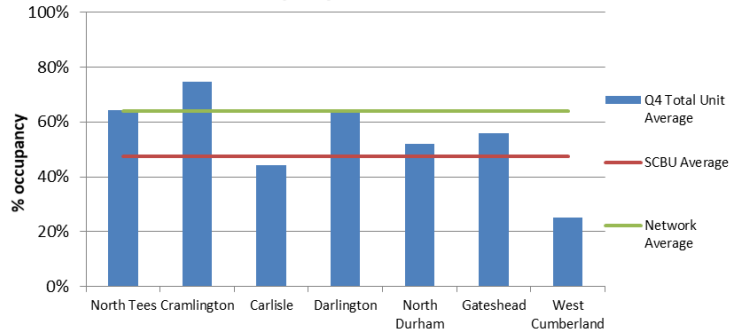
³ Calculated using total discharges >4hrs, not died, and total length of stay.

Section 3 – Occupancy⁴

% occupancy NICU Jan-Mar 2023



% occupancy SCBU Jan-Mar 2023



⁴ Calculated using available total cot numbers and occupancy levels.

Section 4a – NNAP Indicators⁵

		NNAP							
Period:		Q4 22-23							
Unit	Antenatal Steroids given to standard (23-33wks)	Mag Sulph (<30/40)	Deferred Cord Clamping (<34/40)	Temperature Taken within 1hr and in range (<32/40)	First Consultation within 24hrs	Parental Presence at Ward Round	ROP screening (<31wks or <1501g)	Breastmilk Feeding on day 14 of life (<34/40)	Breast Milk at Discharge Home (<34/40)
RVI	38%	75%	79%	60%	78%	93%	33%	73%	31%
James Cook	38%	75%	38%	100%	82%	87%	50%	69%	52%
Sunderland	50%	100%	80%	92%	90%	90%	93%	52%	40%
North Tees	33%	50%	22%	50%	88%	87%	75%	25%	13%
Cramlington	25%	100%	75%	100%	87%	82%	9%	100%	50%
Carlisle	17%	0%	100%	67%	63%	88%	100%	33%	100%
Darlington	25%	0%	25%	N/A	91%	86%	100%	40%	29%
North Durham	14%	100%	71%	100%	95%	76%	0%	14%	30%
Gateshead	100%	100%	67%	100%	94%	38%	50%	100%	55%
West Cumberland	0%	N/A	0%	N/A	39%	82%	N/A	100%	80%
Northern	34%	67%	56%	84%	81%	81%	57%	61%	48%

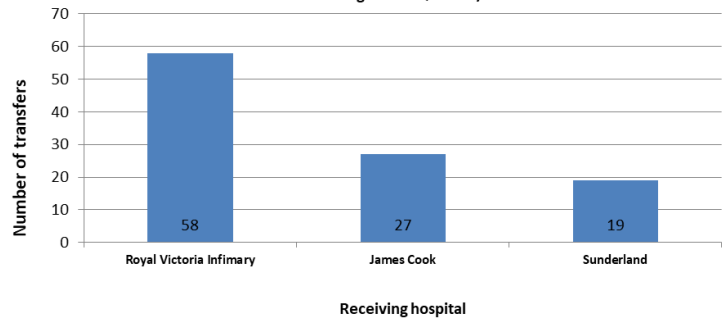
⁵ These are taken from the BadgerNet Dashboard reports for national NNAP Metrics. These are colour coded to reflect whether each unit is achieving the NNAP standard for each indicator. Non colour-coded indicators are for benchmarking purposes only.

Section 6 – Northern Neonatal Transport Service (NNETS)⁶

Total transfers - Q4 2022/2023



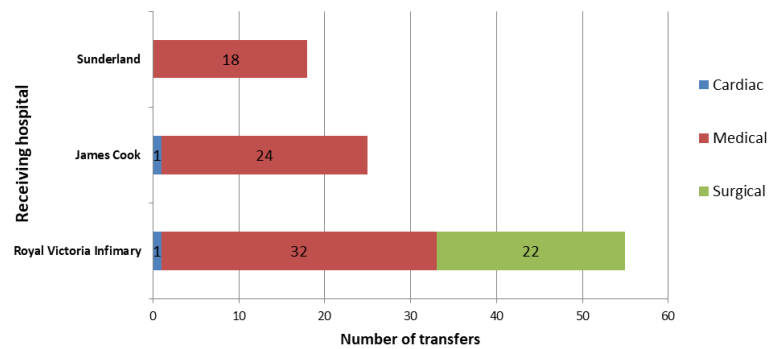
Transfers - Receiving NICU - Q4 2022/2023



Transport Urgency Q4 2022/2023



Reason for transfer Q4 2022/2023



⁶ From NNETs monthly data extract.

Non-clinical transfers due to cot availability Q4 2022/23

These transfers refer to those cases where babies need to be moved following birth from their hospital of booking and delivery for non-clinical reasons – lack of capacity and cots. We are monitoring these as part of our reconfiguration data work on patient flows.

NICU	Transfers out
Royal Victoria Infirmary	4
JCUH	0
Sunderland	0
Region	0

Out of network activity/transfers

NNN OUT OF REGION TRANSFERS		
GEST	FROM	TO
23	Darlington Memorial	Sheffield 'Jessop wing' Maternity
24	Cumberland Infirmary	Royal Preston