



Northern Neonatal Network

Quarterly Report

Q1 Apr-Jun 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 supplied by NNeTS (Northern Neonatal Transport Service).
- 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 August 2023

Section 1 - Activity

Indicator	RVI	James Cook	Sunderland	North Tees	Cramlington	Carlisle	Darlington	UHND	Gateshead	West Cumberland
Births										
Live Births	1444	1117	840	621	803	366	412	560	442	259
Gestation										
<23	0					0	*	*	0	*
23-27	8					0	*	*	0	*
28-31	16					0	*	*	0	*
32-36	115					30	21	47	27	21
=>37	1305					336	390	511	415	237
Birth Weight										
<750	*					*	0	*	*	*
750-999	*					*	0	*	*	*
1000-1499	*					*	0	*	*	*
1500-1999	32					*	5	8	*	*
2000-2499	77					18	20	43	23	21
>=2500	1307					342	387	506	416	234
Admissions										
Total Admissions	281	113	82	73	61	41	45	73	46	40
1st Admissions	233	96	70	63	42	32	39	63	31	27
Term admissions	132	40	30	35	24	11	24	38	19	15
VLBW admissions	31	24	14	*	*	*	0	*	0	0
1 Year rolling VLBW	123	111	69							
% term admissions (births)	9.1%	3.6%	3.6%	5.6%	3.0%	3.0%	5.8%	6.8%	4.3%	5.8%
% term admissions (admissions)	56.7%	41.7%	42.0%	55.6%	57.1%	34.4%	61.5%	60.3%	61.3%	55.6%
TC admissions	245		67		44		119	189	40	
Care Days										
IC days	505	322	232	4	6	6	4	8	0	0
1 year rolling IC	2641	1261	889							
HD days	756	630	259	36	69	39	30	34	21	22
SC days	1460	1019	631	504	466	279	394	448	370	252
NC days	42	3	1	0	17	42	9	23	72	2
TC days	886		200		121		245	395	137	

Inpatient after 44 weeks corrected gestation

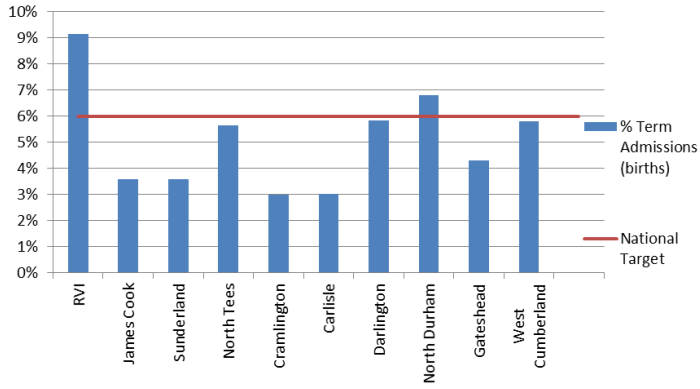
Unit	Admissions	I/P after 44wks	% still inpatient
RVI	281	0	0.0%
James Cook	113	0	0.0%
Sunderland	82	0	0.0%
North Tees	73	0	0.0%
Cramlington	61	0	0.0%
Carlisle	41	1	2.4%
Darlington	45	0	0.0%
North Durham	73	0	0.0%
Gateshead	46	0	0.0%
West Cumberland	40	1	2.5%

<30 week exceptions

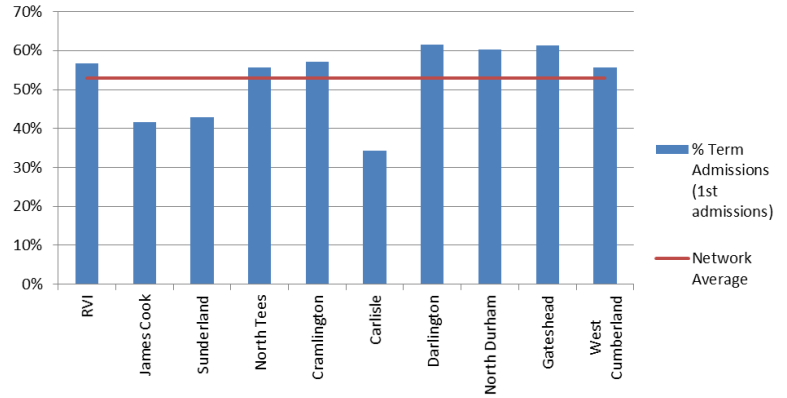
Unit	Booked	Delivered	Exception
North Tees	1	1	100%
Cramlington	3	1	33%
Carlisle	1	0	0%
Darlington	1	0	0%
North Durham	5	3	60%
Gateshead	4	0	0%
West Cumberland	1	0	0%

Booked	16
Delivered	5
Pathway Exception	31%

Term admissions rate as % of total births Apr-Jun 2023



Term admission as % of all admissions Apr-Jun 2023

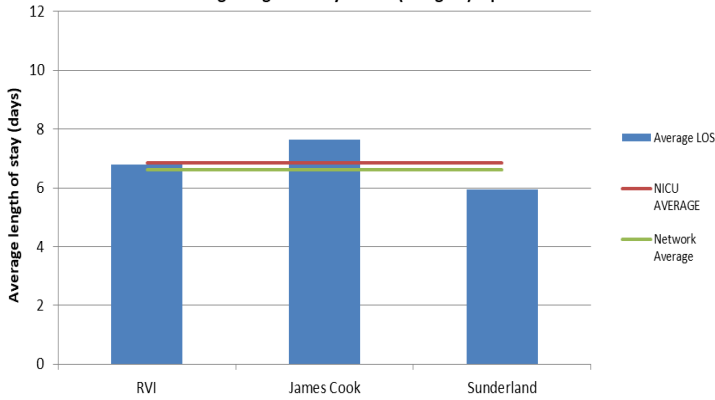


¹ Calculated using 1st episodes admissions and total births.

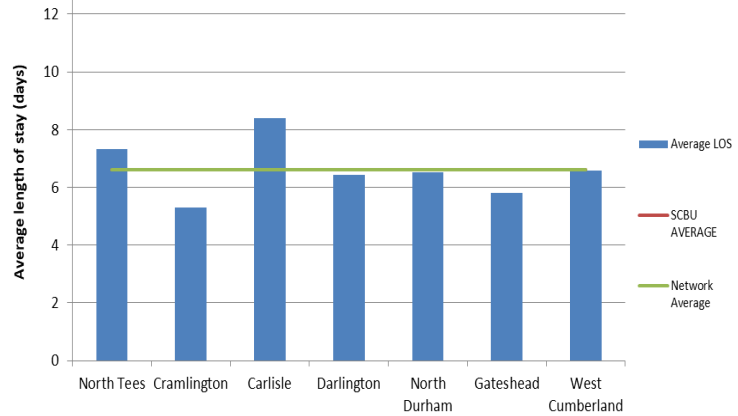
² Calculated using 1st episodes term admission as a percentage of 1st admissions.

Section 2 – Length of Stay³

Average length of stay NICU's (32+ gest) Apr-Jun 2023



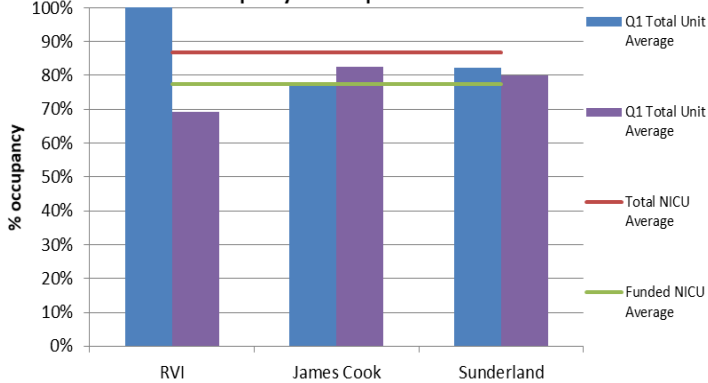
Average length of stay SCBU's (32+ wks gest) Apr-Jun 2023



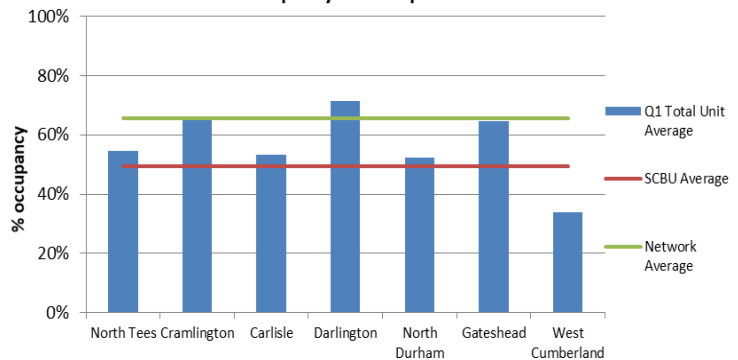
³ Calculated using total discharges >4hrs, not died, and total length of stay.

Section 3 – Occupancy⁴

% occupancy NICU Apr-Jun 2023



% occupancy SCBU Apr-Jun 2023



⁴ Calculated using available total cot numbers and occupancy levels.

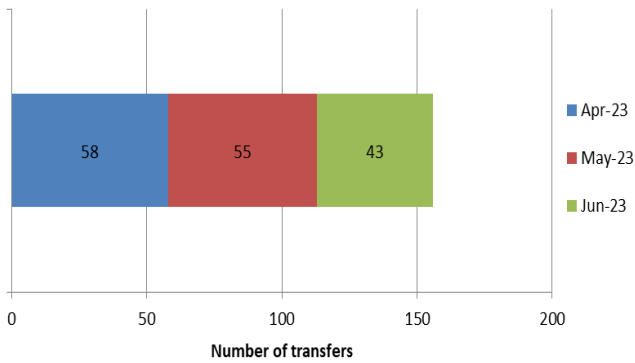
Section 4a – NNAP Indicators⁵

		NNAP							
Period:		Q1 23-24							
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	45%	100%	78%	74%	81%	93%	48%	76%	44%
James Cook	34%	82%	49%	84%	92%	82%	81%	79%	44%
Sunderland	41%	80%	27%	82%	88%	89%	50%	78%	38%
North Tees	50%	50%	67%	22%	86%	84%	60%	57%	38%
Cramlington	22%	100%	100%	100%	88%	75%	25%	62%	47%
Carlisle	50%	N/A	25%	75%	45%	88%	50%	14%	0%
Darlington	33%	N/A	50%	83%	93%	75%	100%	100%	90%
North Durham	0%	33%	40%	88%	85%	83%	100%	20%	14%
Gateshead	20%	N/A	60%	75%	85%	51%	33%	29%	27%
West Cumberland	0%	N/A	100%	100%	58%	81%	100%	25%	20%
Northern	30%	74%	60%	78%	80%	80%	65%	54%	36%

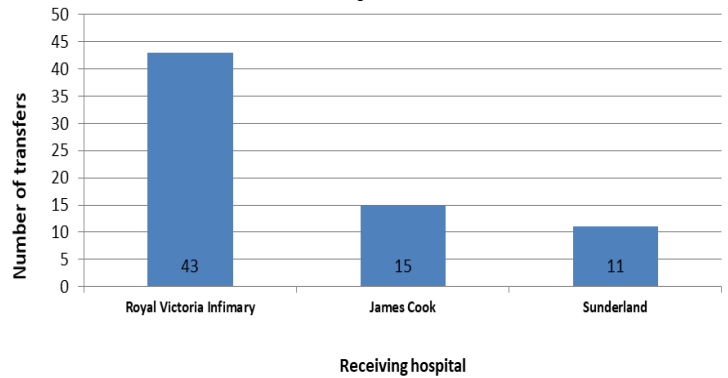
⁵ These are taken from the BadgerNet Dashboard reports for national NNAP Metrics. These are colour coded to reflect whether each unit is achieving the NNAP standard for each indicator. Non colour-coded indicators are for benchmarking purposes only.

Section 6 – Northern Neonatal Transport Service (NNETS)⁶

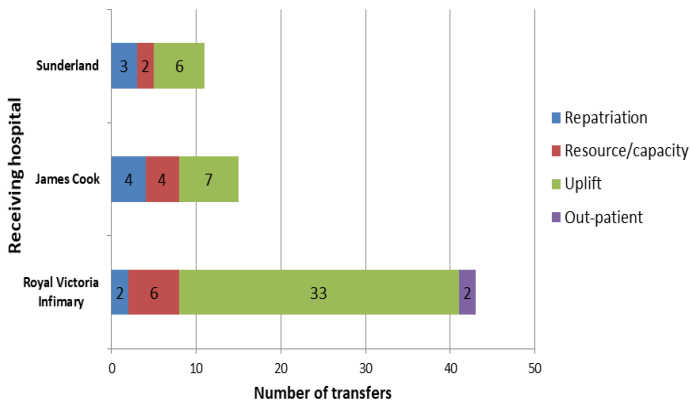
Total transfers - Q1 2023/2024



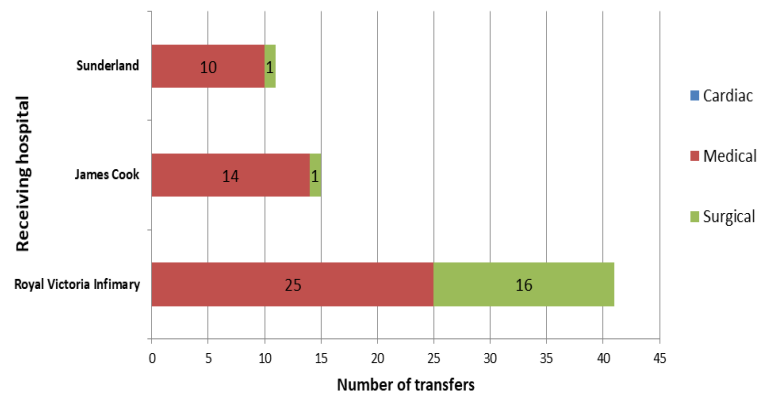
Transfers - Receiving NICU - Q1 2023/2024



Transport Urgency Q1 2023/2024



Reason for transfer Q1 2023/2024

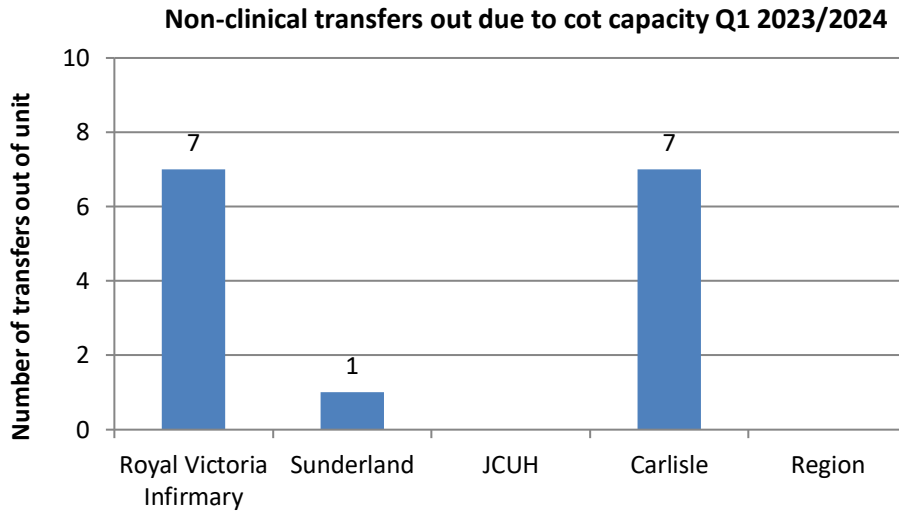


⁶ From NNETs monthly data extract.

Non-clinical transfers due to cot availability Q1 2023/24

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	7
JCUH	1
Sunderland	0
Carlisle	7
Region	0



Out of network activity/transfers

None