



Northern Neonatal Network

Quarterly Report

Q2 Jul-Sep 18



This report is a summary of the dashboard data submitted every month by each of the 9 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 Mark each month.

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

- The final phase of the Tees reconfiguration took place in September, which resulted in all intensive care on the North Tees Unit ceasing and being transferred to JCUH, so as from Monday 3rd September, North Tees was re-designated as an 11 cot SCU, with the remaining 3 NIC cots moving to over along with nursing and medical staff. This needs to be considered for part of the September figures for these 2 Units and all future reports.
- All reports use the BAPM 2011 definitions, NOT the previous BAPM 2001 ones. There are differences in how these latest levels of care are calculated and these reports need to be considered accordingly. There are significant differences, for example, in how IC no longer routinely includes babies on CPAP by default, rather taking account of other clinical indicators – weight, gestation etc.
- The BAPM 2011 definitions include a new “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 future reporting purposes.***
- The staffing level reports are calculated by mapping nurse staffing levels submitted against the activity generated by the new BAPM 2011 definitions and have altered from typical levels under BAPM 2001 accordingly.
- 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.

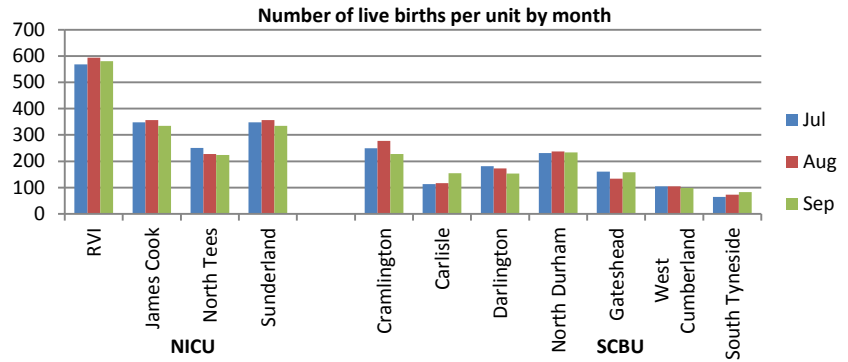
We continue to invite constructive criticism and feedback from all our Stakeholders across the Network and have taken into account some of these in this latest version of quarterly reports. It is our hope that these quarterly Reports will continue to provide a rich but useful source of data for both 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.”*

Section 1 - Activity

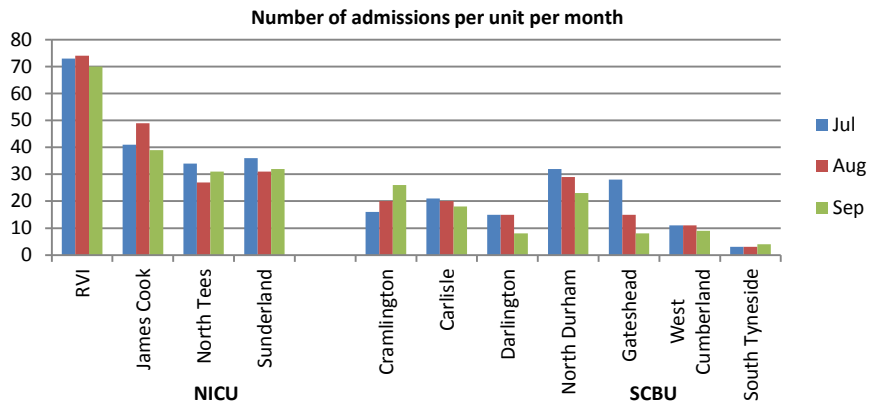
Live Births

Unit	Jul	Aug	Sep	Total
RVI	568	594	581	1743
James Cook	348	356	335	1039
North Tees	251	228	224	703
Sunderland	348	356	335	1039
Cramlington	250	277	227	754
Carlisle	113	117	155	385
Darlington	181	173	153	507
North Durham	231	237	234	702
Gateshead	160	134	158	452
West Cumberland	105	104	98	307
South Tyneside	64	73	83	220
Total	2619	2649	2583	7851



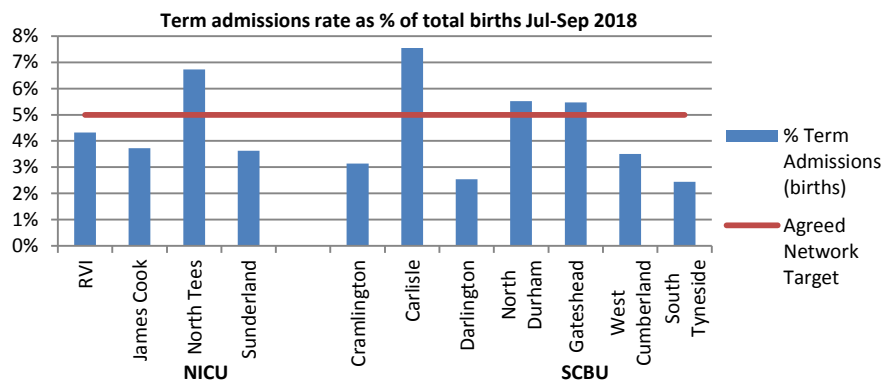
Admissions

Unit	Jul	Aug	Sep	Total
RVI	73	74	70	217
James Cook	41	49	39	129
North Tees	34	27	31	92
Sunderland	36	31	32	99
Cramlington	16	20	26	62
Carlisle	21	20	18	59
Darlington	15	15	8	38
North Durham	32	29	23	84
Gateshead	28	15	8	51
West Cumberland	11	11	9	31
South Tyneside	3	3	4	10
Total	310	294	268	872



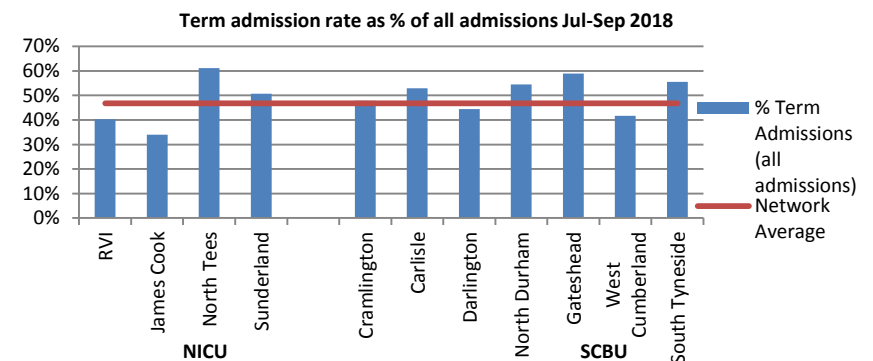
Term Admissions¹

Unit	Jul	Aug	Sep	Average
RVI**	4.7%	4.0%	4.3%	4.3%
James Cook	3.4%	4.2%	3.5%	3.7%
North Tees	8.1%	6.1%	5.8%	6.7%
Sunderland	4.0%	3.6%	3.2%	3.6%
Cramlington	0.9%	3.1%	5.7%	3.1%
Carlisle	9.5%	11.0%	3.5%	7.5%
Darlington	1.8%	3.7%	2.1%	2.5%
North Durham	5.1%	6.4%	5.1%	5.5%
Gateshead	8.1%	6.4%	2.0%	2.5%
West Cumberland	5.1%	3.1%	2.2%	3.5%
South Tyneside	1.7%	2.9%	2.6%	2.4%
Network Average	4.3%	5.1%	3.7%	4.4%



Term Admissions²

Unit	Jul	Aug	Sep	Average
RVI**	41.7%	34.9%	45.1%	40.2%
James Cook	34.4%	32.6%	35.5%	34.0%
North Tees	70.4%	61.9%	50.0%	61.1%
Sunderland	59.1%	48.0%	45.5%	50.7%
Cramlington	16.7%	57.1%	60.0%	47.8%
Carlisle	58.8%	66.7%	31.3%	52.9%
Darlington	33.3%	46.2%	60.0%	44.4%
North Durham	47.8%	53.8%	64.7%	54.5%
Gateshead	54.5%	80.0%	42.9%	59.0%
West Cumberland	50.0%	60.0%	22.2%	47.7%
South Tyneside	50.0%	66.7%	50.0%	55.6%
Network Average	47.5%	47.3%	45.6%	46.9%



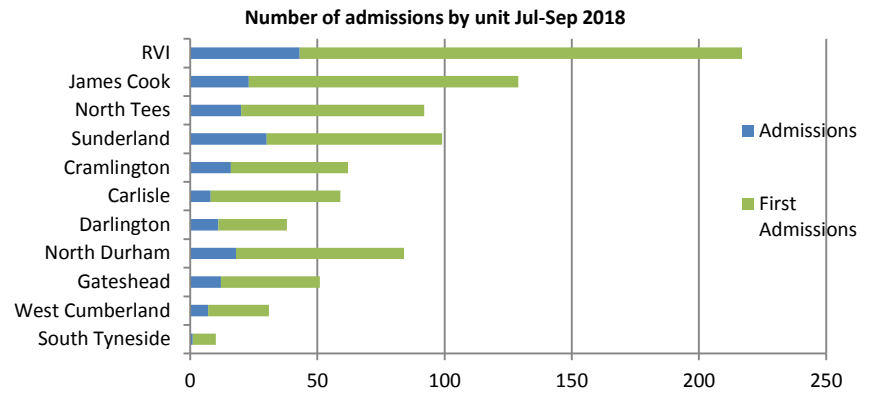
¹ Calculated using 1st episodes admissions and total births less 7% "preterm births" suggested average as per NNN agreement.

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

**Excludes unavoidable "congenital abnormality" term admissions (admit principal reason = 22)

All Admissions

Unit	Total Admissions	1st Admissions	Term Admissions
RVI**	217	174	70
James Cook	129	106	36
North Tees	92	72	44
Sunderland	99	69	35
Cramlington	62	46	22
Carlisle	59	51	27
Darlington	38	27	12
North Durham	84	66	36
Gateshead	51	39	23
West Cumberland	31	24	10
South Tyneside	10	9	5
Total	872	683	320



IC Days

Unit	Jul	Aug	Sep	Total
RVI	219	255	296	770
James Cook	132	195	99	426
North Tees	16	10	5	31
Sunderland	65	60	54	179
Cramlington	2	1	5	8
Carlisle	5	1	0	6
Darlington	1	0	0	1
North Durham	7	2	2	11
Gateshead	1	0	1	2
West Cumberland	1	4	2	7
South Tyneside	0	0	0	0
Total	449	528	464	1441

HD Days

Unit	Jul	Aug	Sep	Total
RVI	281	252	271	804
James Cook	110	135	312	557
North Tees	40	42	44	156
Sunderland	45	86	105	236
Cramlington	20	29	12	61
Carlisle	5	11	8	24
Darlington	1	11	0	12
North Durham	13	7	21	41
Gateshead	3	2	2	7
West Cumberland	5	3	3	11
South Tyneside	10	10	1	21
Total	563	588	779	1930

SC Days

Unit	Jul	Aug	Sep	Total
RVI	441	427	345	1213
James Cook	359	282	240	881
North Tees	338	222	218	778
Sunderland	244	298	334	876
Cramlington	128	189	230	547
Carlisle	144	119	129	392
Darlington	178	130	66	374
North Durham	222	243	82	547
Gateshead	182	155	136	473
West Cumberland	92	110	82	284
South Tyneside	53	23	20	96
Total	2381	2198	1882	6461

NC Days

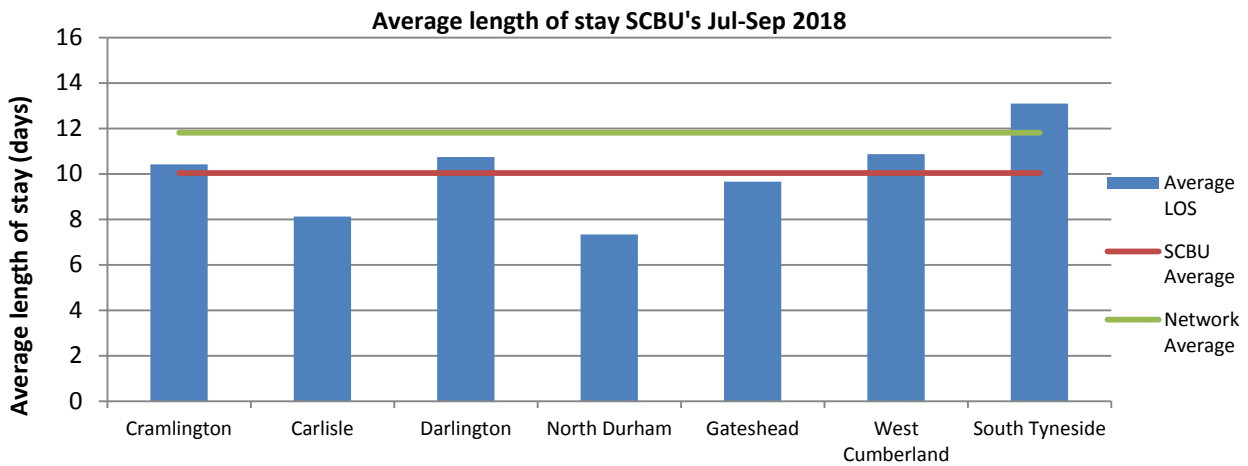
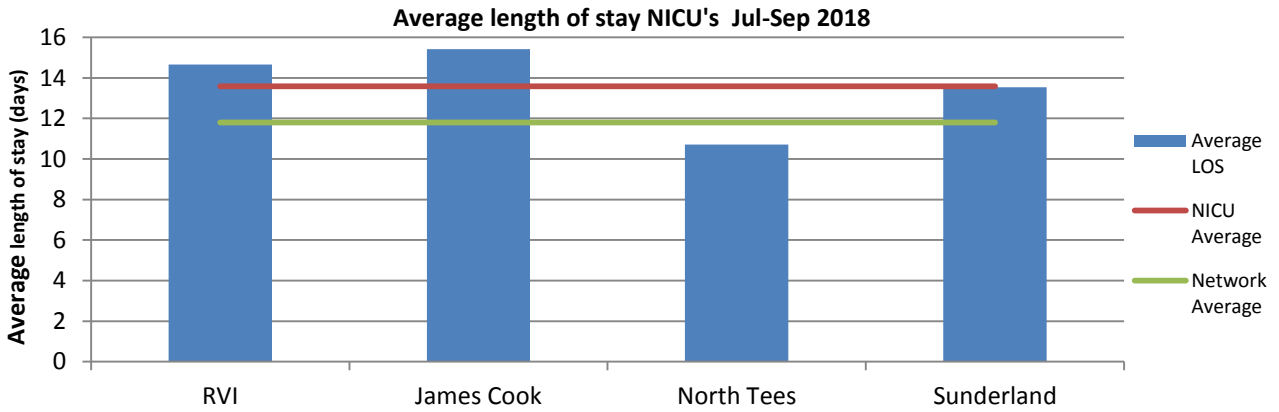
Unit	Jul	Aug	Sep	Total
RVI	11	11	24	46
James Cook	0	0	1	1
North Tees	14	11	16	41
Sunderland	0	0	0	0
Cramlington	17	2	4	23
Carlisle	6	10	20	36
Darlington	1	0	0	1
North Durham	3	6	6	15
Gateshead	8	15	15	38
West Cumberland	12	1	3	16
South Tyneside	0	0	0	0
Total	72	56	89	217

TC Days

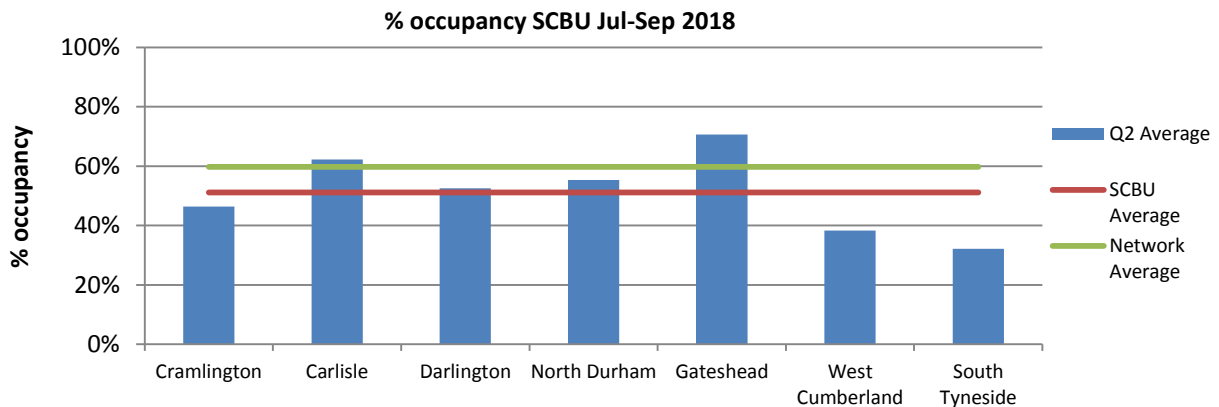
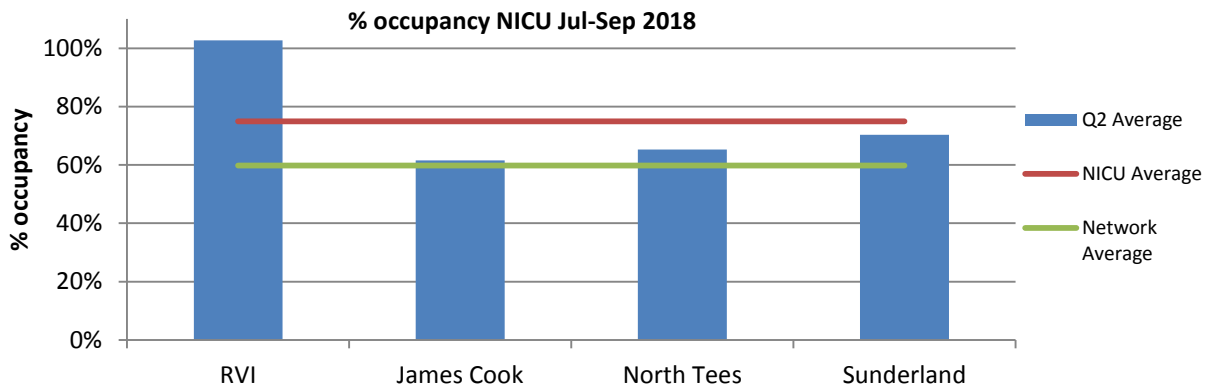
Unit	Jul	Aug	Sep	Total
RVI	361	330	368	1059
James Cook	205	188	243	636
North Tees	23	10	25	58
Sunderland*	N/S	N/S	N/S	N/S
Cramlington	51	76	49	176
Carlisle	18	17	8	43
Darlington	71	99	86	256
North Durham	134	135	134	403
Gateshead	16	6	8	30
West Cumberland	12	18	16	46
South Tyneside*	N/S	N/S	N/S	N/S
Total	891	879	937	2707

* not supplied

Section 2 – Length of Stay³



Section 3 – Occupancy⁴



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

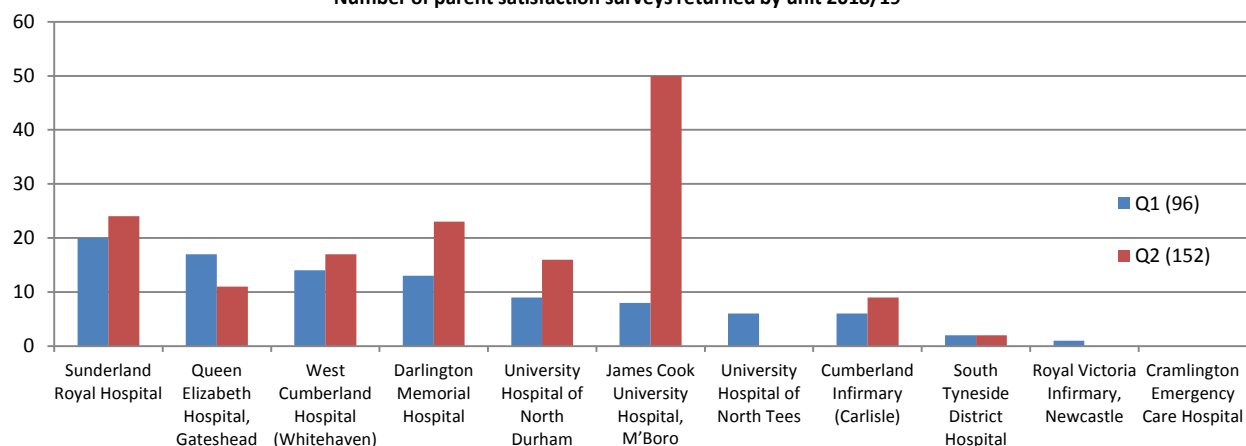
⁴ Calculated using available total cot numbers and occupancy levels.

Section 4a – Clinical Indicators⁵

Period:	National CQUIN				NNAP					
	Q2 18-19				Q2 18-19					
	Unit	Timely discharge eligible babies	TPN by Day 2 of Life	2yr Follow up	Temperature on admission >=36	Antenatal Steroids Given	First Consultation within 24hrs	Breast Milk at Discharge Home (<33/40)	ROP screening	Temperature Taken within 1hr (<32/40)
RVI	33%	83%	83%	96%	44%	34%	41%	63%	91%	73%
James Cook	80%	94%	67%	98%	98%	100%	31%	89%	100%	94%
North Tees	100%	N/A	60%	90%	70%	88%	20%	71%	100%	N/A
Sunderland	91%	100%	71%	100%	89%	100%	50%	100%	100%	60%
Cramlington	60%	N/A	100%	89%	80%	94%	100%	50%	80%	N/A
Carlisle	50%	N/A	100%	80%	80%	86%	33%	100%	67%	100%
Darlington	67%	N/A	100%	67%	100%	74%	0%	60%	N/A	N/A
North Durham	100%	N/A	0%	100%	90%	80%	0%	100%	100%	100%
Gateshead	0%	N/A	0%	60%	80%	81%	N/A	71%	100%	0%
West Cumberland	100%	N/A	0%	80%	60%	70%	N/A	100%	0%	N/A
South Tyneside	N/A	N/A	N/A	100%	100%	100%	N/A	100%	N/A	N/A
Northern	62%	92%	58%	87%	81%	82%	34%	82%	82%	71%

Section 4b – Non-clinical Indicators

Number of parent satisfaction surveys returned by unit 2018/19



Section 5 – Network Audit & data/information compliance⁶

Unit	Dashboard returns	PReCePT Neonatal Lead Nominations 10/09/18	Nurse Staffing survey 27/09/18
RVI	Green	Green	Green
JCUH	Green	Yellow	Green
Sunderland	Green	Green	Yellow
North Tees	Green	Yellow	Red
Cramlington	Green	Green	Green
Carlisle	Green	Red	Red
Darlington	Green	Yellow	Green
North Durham	Green	Yellow	Green
Gateshead	Green	Red	Green
West Cumberland	Green	Green	Yellow
South Tyneside	Green	Green	Yellow

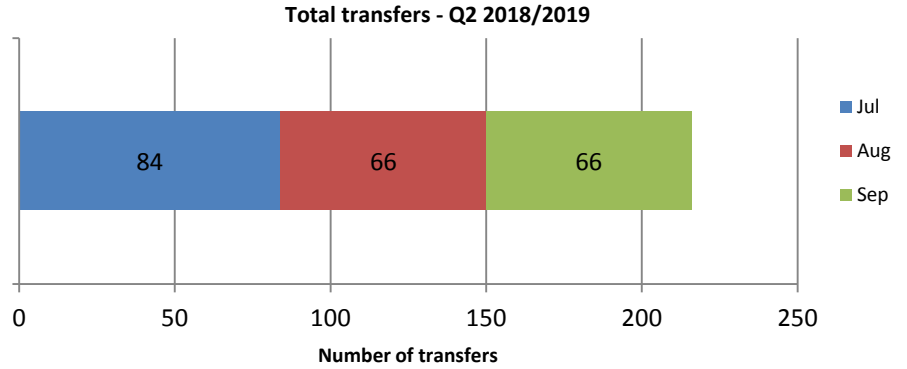
Latest Annual Reports – Northern Neonatal Network		
Unit/Trust	Year	Produced
North Cumbria	2017	Nov-18
RVI	2017	Sep-18
JCUH	2016	Nov-17
Sunderland	2016	Nov-17
North Tees	2016	Dec-17
CDDFT	2016	Jun-17
Cramlington	2016	Aug-17
Gateshead	2016	Dec-17
South Tyneside	2016	Dec-17

⁵ These are taken from the BadgerNet Dashboard reports for national CQUINs and NNAP Metrics. The former may not be what individual Units have signed up to but are included with the NNAP figures (which will appear on their reports in due course) for benchmarking purpose only

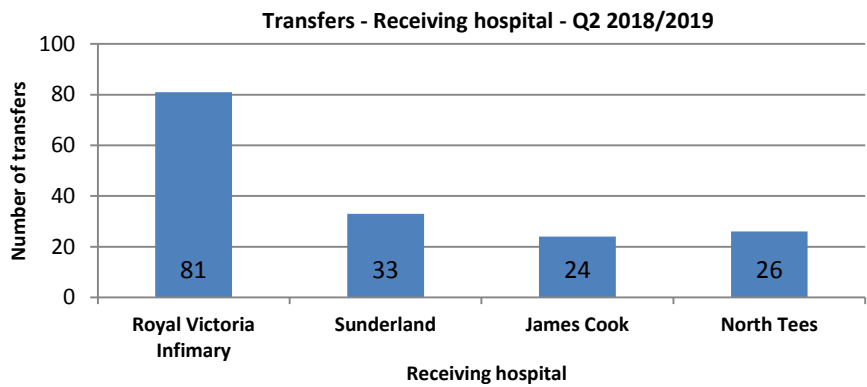
⁶ Requested items as identified and defined by the Network as auditable – green if returned by deadline, amber if returned following reminder, red if no response received. For Dashboard returns, the deadline for submission will be 6 weeks after the end of the quarter being requested.

Section 6 – Northern Neonatal Transport Service (NNeTS)

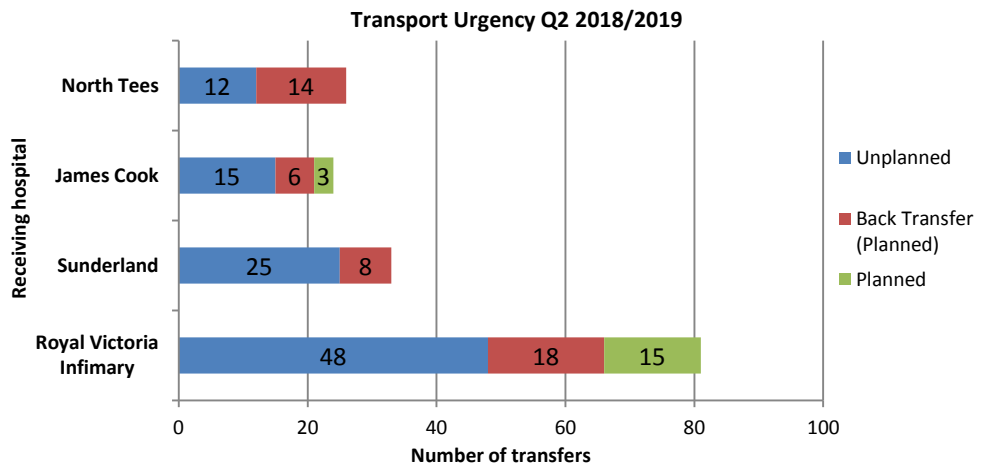
These figures represent the total number of transfers undertaken by each team per month, including back-transfers



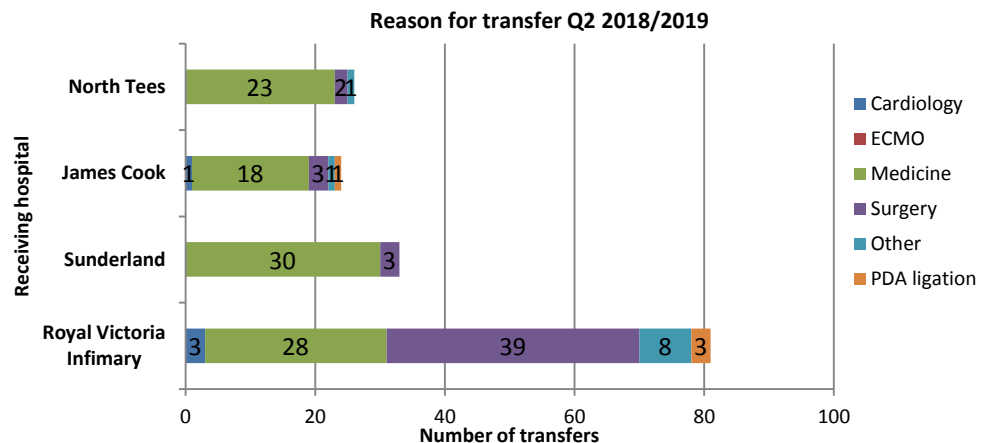
These figures represent the total number of transfers from each of the Level 3 (NICU) Units across the quarter. These include back-transfers (see next chart below).



Definitions of urgency are subjective apart from planned back-transfers. The definition of “planned” here is where the need for transfer appears to have been known – such as for surgical cases and cardiac investigations etc. Unplanned would be defined as where transfer could not have been foreseen – such as a baby requiring ongoing care at another Unit that could not be provided at their own.



Such classifications can again also be subjective, but where there is enough clarity to suggest it, they have been coded as such in the following table. “Other” covers occasional cases such as ROP screening or laser surgery. PDA ligations usually go direct to the Freeman, but if they are referred to another NICU first, they will be coded as a PDA Ligation accordingly.



Non-clinical transfers due to cot availability Q2 2018/19

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.

These figures are taken directly from the Infant Transport Records (ITRs) that the teams complete and state that the Unit is “full” and/or then cross-referenced with Badger if necessary to check occupancy levels.

NICU	Transfers out
RVI	8
JCUH	0
Sunderland	0
North Tees	1

