



Northern Neonatal Network

Quarterly Report

Q4 Jan-Mar 16



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;

- As from 1st April 2015, all reports use the BAPM 2011 definitions, NOT the previous BAPM 2001 used in all reports to date. There are significant differences in how these newer levels of care are calculated and these newer 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 now 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 the two teams from the RVI and JCUH. 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.

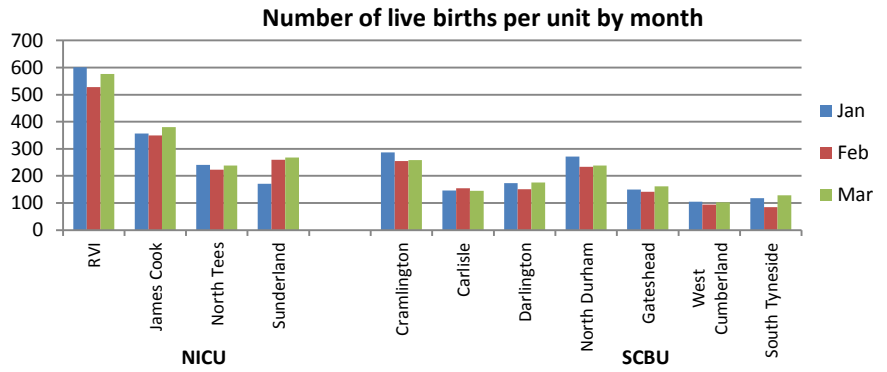
As always, the aim of this is to provide the very best service available to the babies and families within our Network and thus meet our one core principle – *“To give the highest possible standard of safe, effective care to babies and their families.”*

Martyn Boyd, Network Manager/Mark Green, Network Data Manager
May 2016

Section 1 - Activity

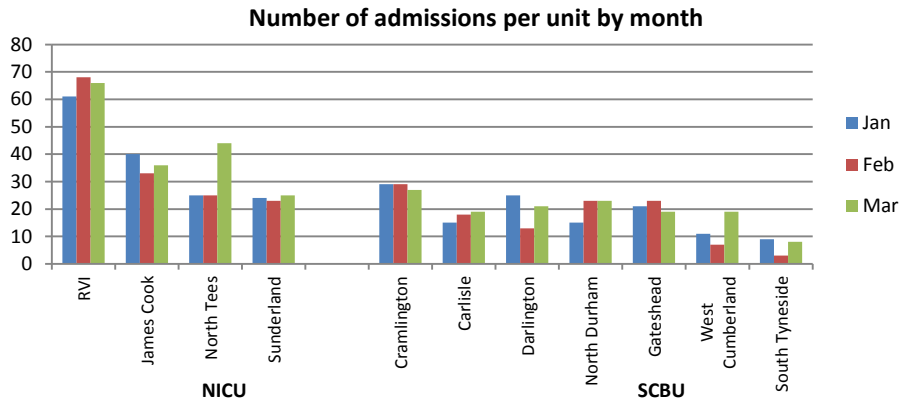
Live Births

Unit	Jan	Feb	Mar	Total
RVI	601	528	576	1705
James Cook	357	350	380	1087
North Tees	241	223	238	702
Sunderland	171	260	268	699
Cramlington	287	255	259	801
Carlisle	146	155	145	446
Darlington	173	151	176	500
North Durham	272	234	238	744
Gateshead	150	142	161	453
West Cumberland	105	94	103	302
South Tyneside	118	85	128	331
Total	2621	2477	2672	7770



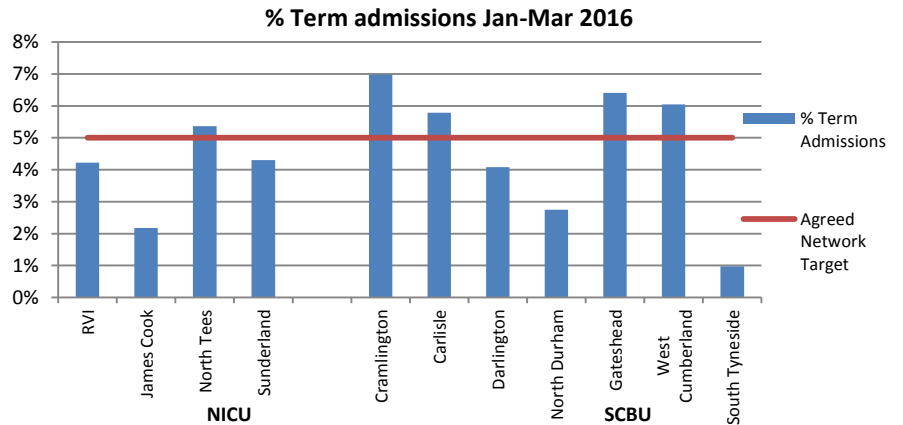
Admissions

Unit	Jan	Feb	Mar	Total
RVI	61	68	66	195
James Cook	40	33	36	109
North Tees	25	25	44	94
Sunderland	24	23	25	72
Cramlington	29	29	27	85
Carlisle	15	18	19	52
Darlington	25	13	21	59
North Durham	15	23	23	61
Gateshead	21	23	19	63
West Cumberland	11	7	19	37
South Tyneside	9	3	8	20
Total	275	265	307	847



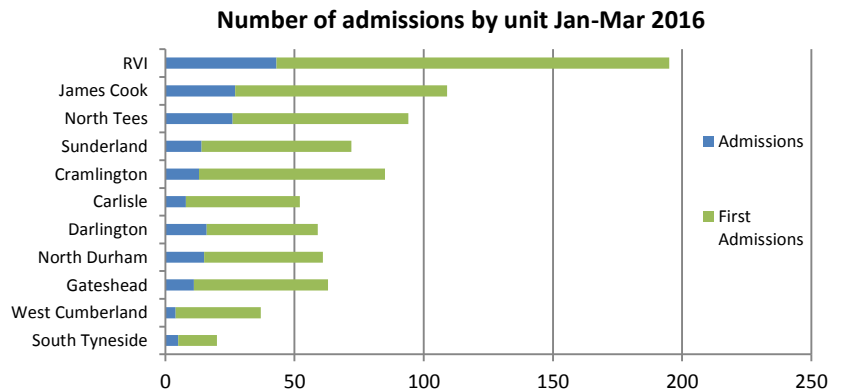
Term Admissions¹

Unit	Jan	Feb	Mar	Average
RVI**	4.7%	5.5%	2.6%	4.2%
James Cook	3.0%	1.2%	2.3%	2.2%
North Tees	1.8%	5.8%	8.6%	5.4%
Sunderland	4.4%	4.5%	4.0%	4.3%
Cramlington	7.1%	6.7%	7.1%	7.0%
Carlisle	4.4%	5.5%	7.4%	5.8%
Darlington	5.6%	2.8%	3.7%	4.1%
North Durham	2.4%	3.2%	2.7%	2.7%
Gateshead	5.7%	8.3%	5.3%	6.4%
West Cumberland	7.2%	3.4%	7.3%	6.1%
South Tyneside	1.8%	0.0%	0.8%	1.0%
Network Average	4.3%	4.5%	4.3%	4.3%



All Admissions

Unit	Total Admissions	1st Admissions	Term Admissions
RVI**	195	152	67
James Cook	109	82	22
North Tees	94	68	35
Sunderland	72	58	28
Cramlington	85	72	52
Carlisle	52	44	24
Darlington	59	43	19
North Durham	61	46	19
Gateshead	63	52	27
West Cumberland	37	33	17
South Tyneside	20	15	3
Total	847	665	313

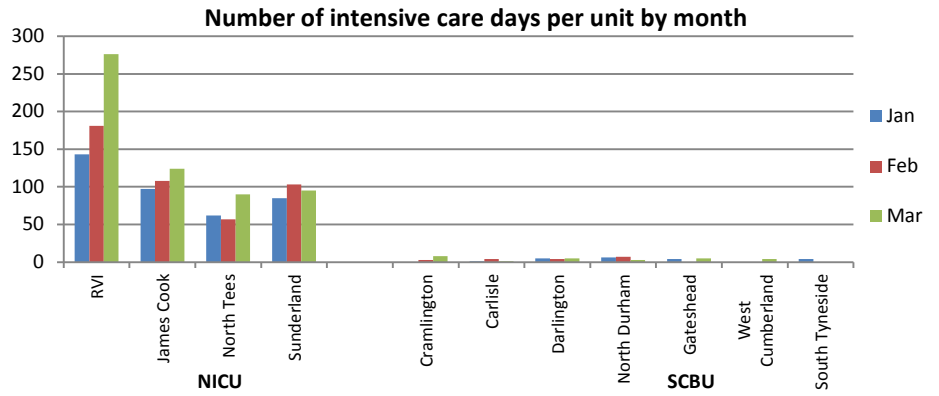


¹ Calculated using 1st episodes admissions and total births less 7% "preterm births" suggested average as per NNN agreement.

**RVI includes unavoidable "congenital abnormality" term admissions.

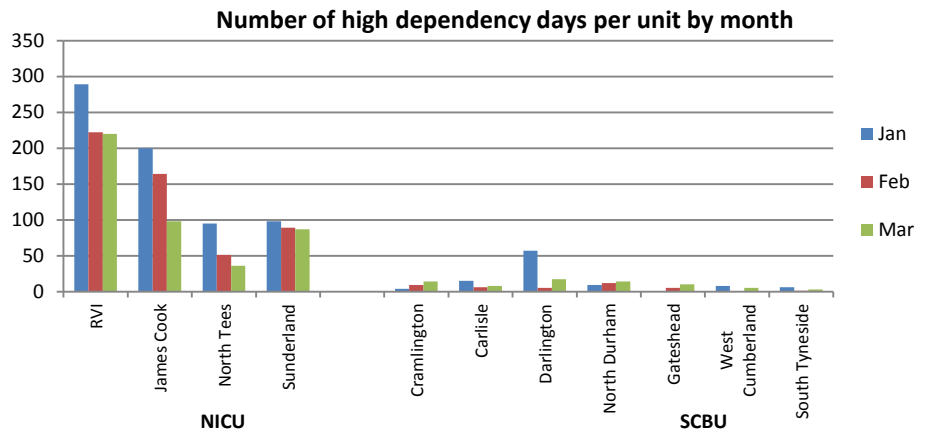
IC Days

Unit	Jan	Feb	Mar	Total
RVI	143	181	276	600
James Cook	97	108	124	329
North Tees	62	57	90	209
Sunderland	85	103	95	283
Cramlington	0	3	8	11
Carlisle	1	4	1	6
Darlington	5	4	5	14
North Durham	6	7	3	16
Gateshead	4	0	5	9
West Cumberland	0	0	4	4
South Tyneside	4	0	0	4
Total	407	467	611	1485



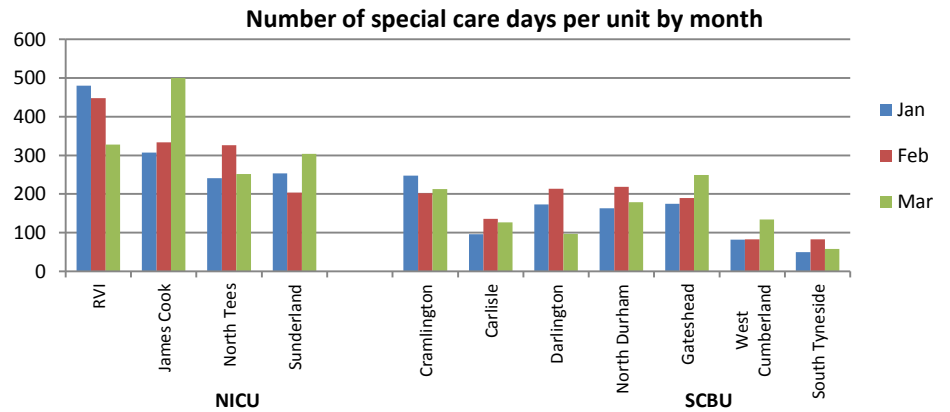
HD Days

Unit	Jan	Feb	Mar	Total
RVI	289	222	220	731
James Cook	200	164	98	462
North Tees	95	51	36	182
Sunderland	98	89	87	274
Cramlington	4	9	14	27
Carlisle	15	6	8	29
Darlington	57	5	17	79
North Durham	9	12	14	35
Gateshead	0	5	10	15
West Cumberland	8	0	5	13
South Tyneside	6	1	3	10
Total	781	564	512	1857



SC Days

Unit	Jan	Feb	Mar	Total
RVI	480	448	328	1256
James Cook	307	334	500	1141
North Tees	241	326	252	819
Sunderland	253	204	304	761
Cramlington	248	202	213	663
Carlisle	96	136	127	359
Darlington	173	214	97	484
North Durham	163	219	179	561
Gateshead	175	190	249	614
West Cumberland	82	83	134	299
South Tyneside	50	83	58	191
Total	2268	2439	2441	7148



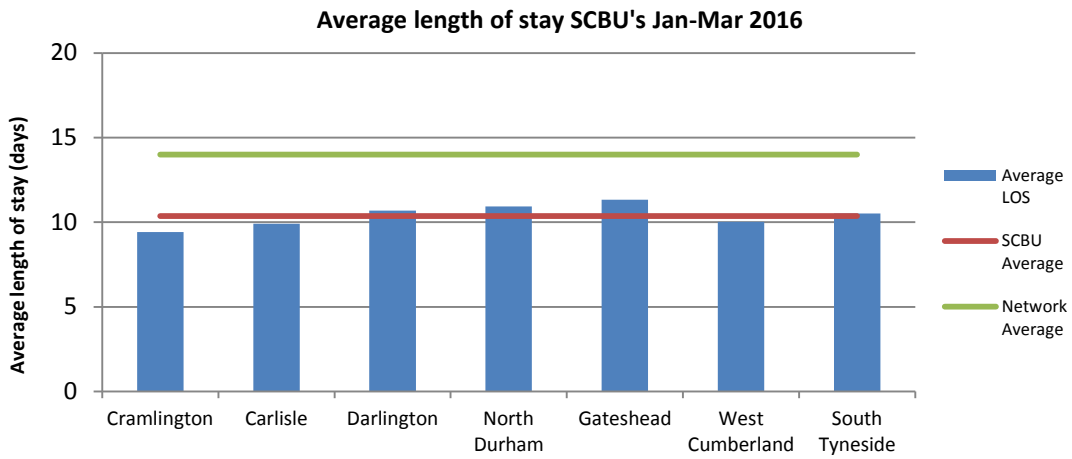
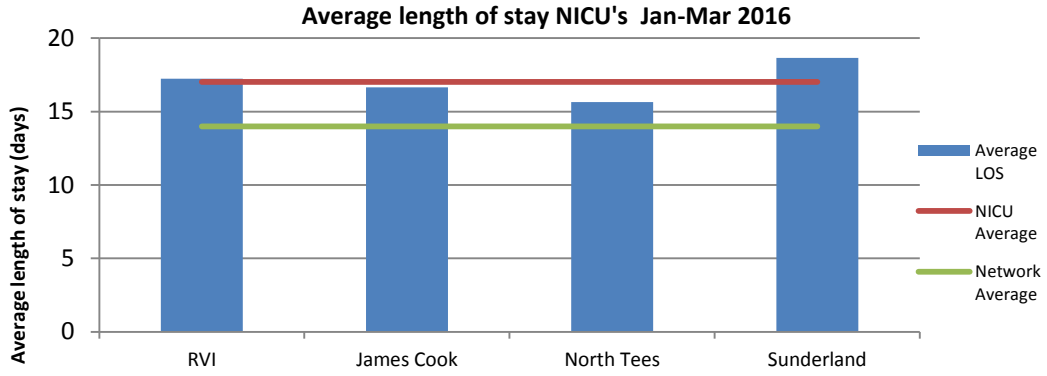
NC Days

Unit	Jan	Feb	Mar	Total
RVI	12	12	8	32
James Cook	0	0	0	0
North Tees	20	10	7	37
Sunderland	0	0	0	0
Cramlington	16	0	6	22
Carlisle	17	74	22	113
Darlington	0	1	0	1
North Durham	2	0	0	2
Gateshead	42	1	14	57
West Cumberland	18	0	0	18
South Tyneside	0	0	0	0
Total	127	98	57	282

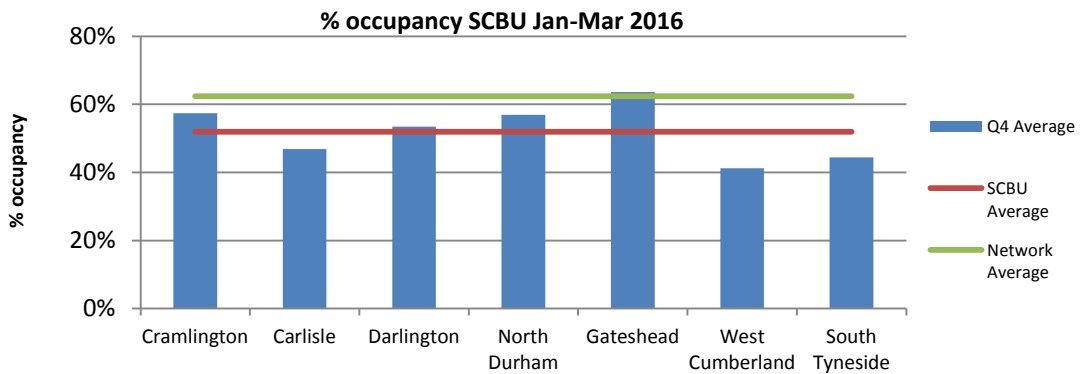
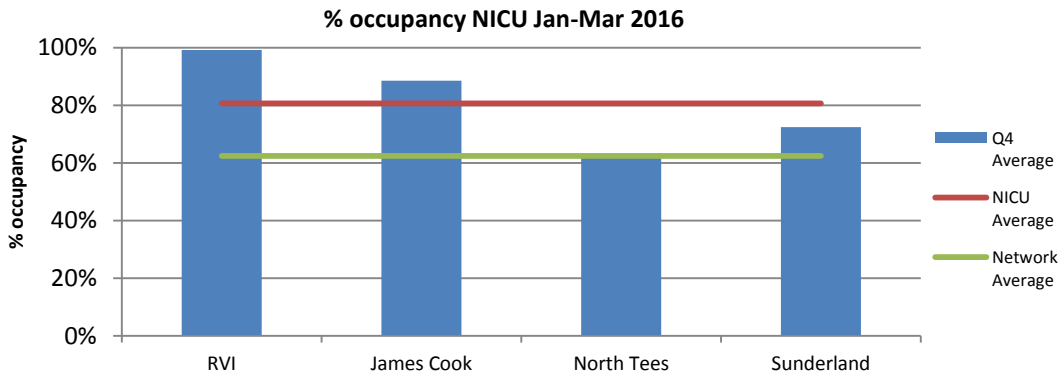
TC Days

Unit	Jan	Feb	Mar	Total
RVI	421	384	376	1181
James Cook	0	0	0	0
North Tees	38	19	14	71
Sunderland	0	0	0	0
Cramlington	38	56	36	130
Carlisle	6	27	24	57
Darlington	114	103	143	360
North Durham	106	124	137	376
Gateshead	1	3	1	5
West Cumberland	0	0	0	0
South Tyneside	0	0	0	0
Total	618	592	594	1804

Section 2 – Length of Stay²



Section 3 – Occupancy³



² Calculated using total discharges >4hrs, not died, and total length of stay.

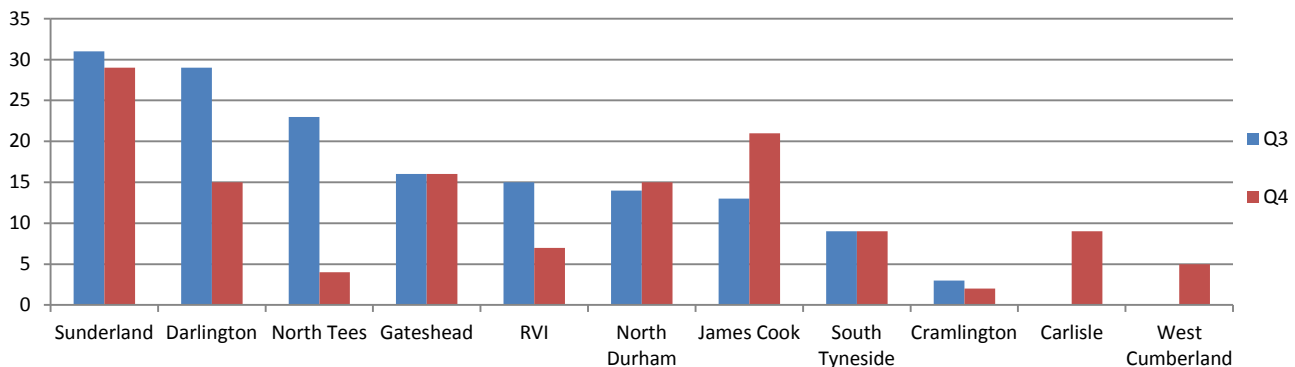
³ Calculated using available total cot numbers and occupancy levels

Section 4a – Clinical Indicators⁴

Period:	National CQUIN				NNAP				
	Q4 15-16				Q4 15-16				
	Timely discharge - eligible babies	TPN by Day 2 of Life	2yr Follow up form complete	Temperature on admission >=36	Temperature Taken within 1hr (<29/40)	Antenatal Steroids Given	First Consultation within 24hrs	Breast Milk at Discharge Home (<33/40)	ROP screening
Unit A	57%	N/A	N/A	89%	100%	85%	100%	29%	100%
Unit B	75%	100%	17%	90%	83%	90%	84%	20%	89%
Unit C	38%	93%	90%	89%	97%	72%	68%	36%	83%
Unit D	100%	N/A	N/A	100%	100%	60%	45%	100%	75%
Unit E	75%	N/A	0%	100%	100%	84%	80%	0%	100%
Unit F	0%	N/A	0%	83%	50%	60%	78%	0%	100%
Unit G	50%	63%	67%	91%	92%	84%	82%	47%	79%
Unit H	71%	100%	67%	100%	100%	77%	100%	43%	88%
Unit I	67%	N/A	0%	67%	100%	83%	86%	100%	83%
Unit J	0%	N/A	100%	83%	100%	75%	94%	0%	86%
Unit K	100%	N/A	0%	100%	100%	100%	88%	N/A	80%
Northern	58%	89%	38%	90%	93%	79%	82%	38%	88%

Section 4b – Non-clinical Indicators⁵

Number of parent satisfaction surveys returned



Section 5 – Network Audit & data/information compliance⁵

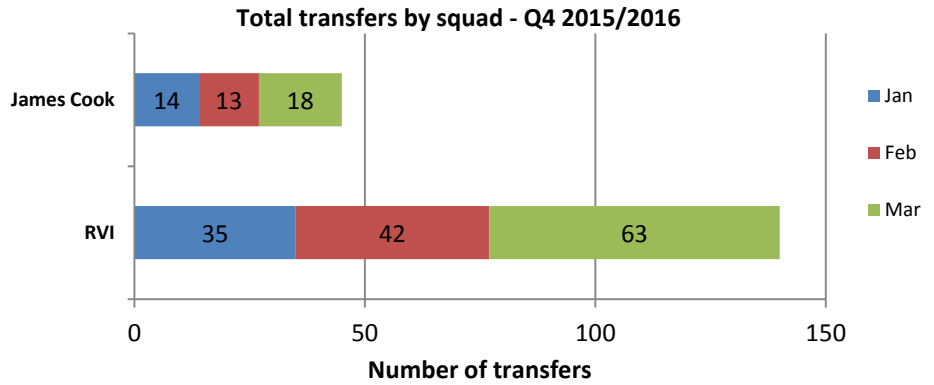
Unit	Dashboard returns	Methods Forms returned
RVI	Green	Green
James Cook	Green	Red
North Tees	Green	Yellow
Sunderland	Green	Green
Cramlington	Green	Yellow
Carlisle	Green	Green
Darlington	Green	Green
North Durham	Green	Green
Gateshead	Green	Red
West Cumberland	Green	Red
South Tyneside	Green	Green

⁴ 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

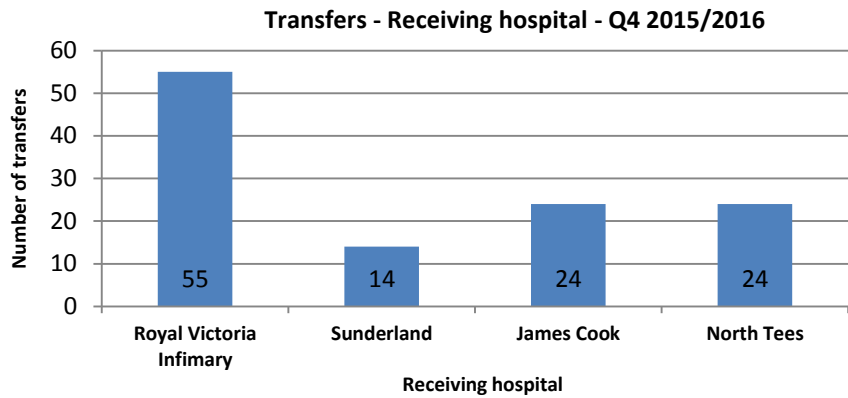
⁵ Requested items as identified and defined by the Network as auditable will appear here in future reports, including Monthly Dashboard returns, where the deadline for submission will be 6 weeks after the end of the quarter being requested.

Section 6 – Transport

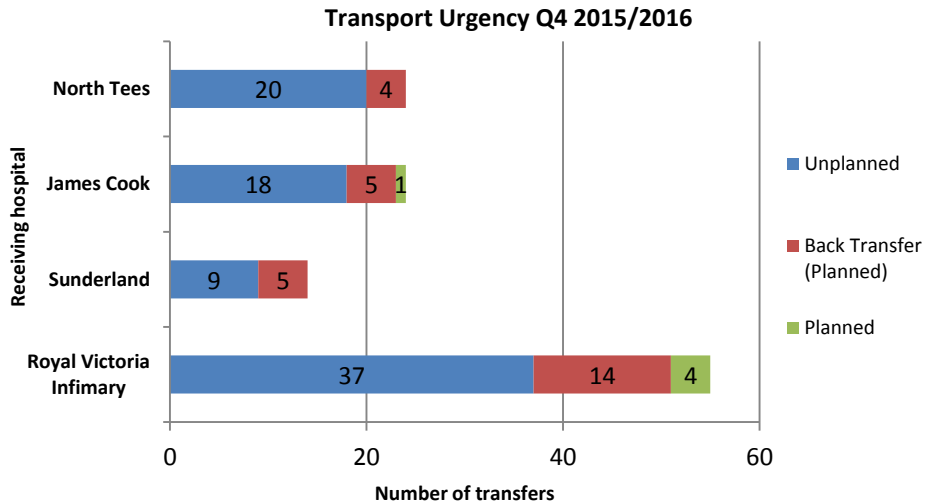
These figures represent the total number of transfers undertaken by each team per month, including back-transfers



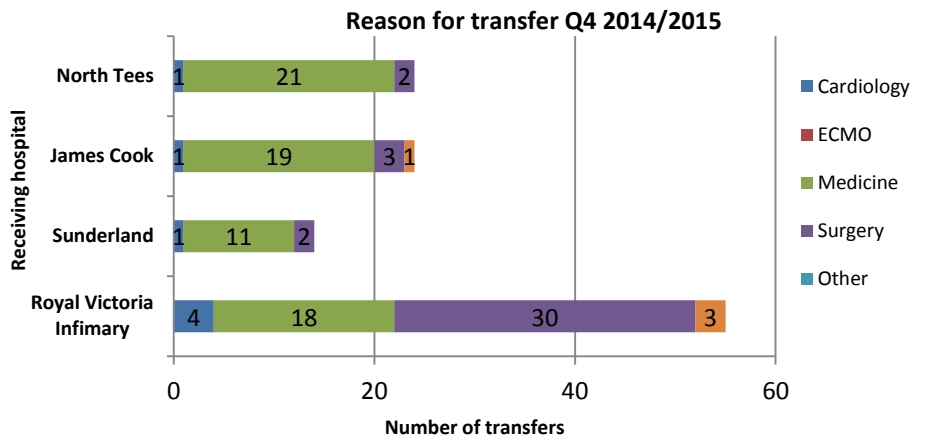
These figures represent the total number of transfers from each of the Level 3 (NICU) Units across the quarter. These include back-transfers (see next chart below).



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 Q4 2014/15

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	17
JCUH	2
Sunderland	3
North Tees	0

Non-clinical transfers out due to cot capacity Q4 2014-2015

