



Northern Neonatal Network

Quarterly Report

Q1 Apr-Jun 19



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 Mark 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.***
- The SCU at South Tyneside closed as from 05/08/2019, however, some of the data for this period was not made available, so the charts and metrics for that Unit are thus incomplete, but where possible and supplied/entered, have been included.
- Transitional Care (TC) activity is supplied manually via the Monthly data Dashboards and reported where available. No Unit currently admit TC babies onto Badgernet so any “TC days” on the system typically refer to pre-discharge “rooming in” activity or “place of care” being wrongly ticked. For this Report, some data was not supplied, so it is shown as missing. If it is subsequently submitted, the online version of this will be amended accordingly.
- 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 new 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

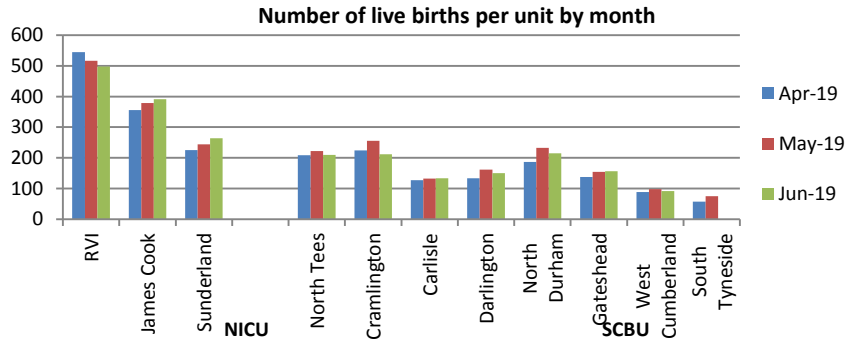
We continue to invite constructive criticism and feedback from all our Stakeholders across the Network to further refine and improve them. It is our hope that these quarterly Reports will continue to provide a rich but useful source of data for both Network and individual Units/Trusts and help determine 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.”*

Section 1 - Activity

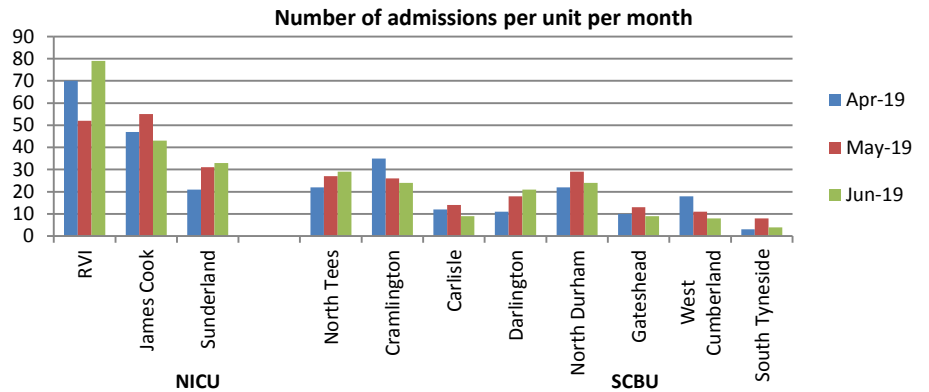
Live Births

Unit	Apr	May	Jun	Total
RVI	545	516	498	1559
James Cook	356	379	391	1126
Sunderland	225	244	264	733
North Tees	209	222	210	641
Cramlington	224	256	212	692
Carlisle	127	133	134	394
Darlington	134	162	150	446
North Durham	187	233	215	635
Gateshead	138	154	157	449
West Cumberland	89	98	92	279
South Tyneside	57	75	N/A	132
Total	2291	2472	2323	7086



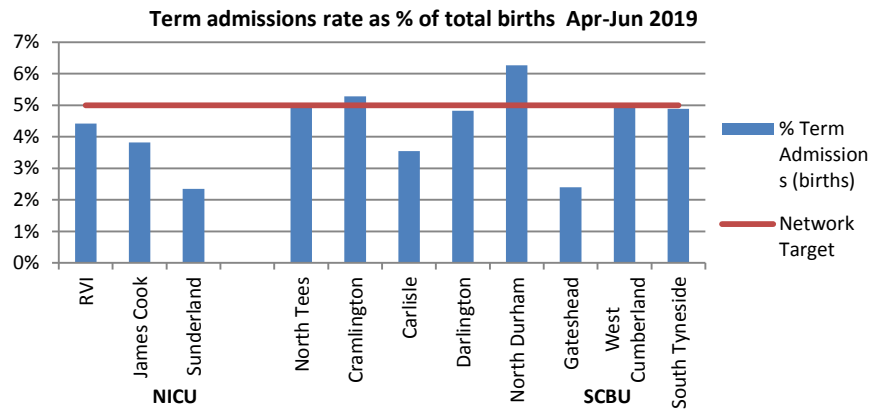
Admissions

Unit	Apr	May	Jun	Total
RVI	70	52	79	201
James Cook	47	55	43	145
Sunderland	21	31	33	85
North Tees	22	27	29	78
Cramlington	35	26	24	85
Carlisle	12	14	9	35
Darlington	11	18	21	50
North Durham	22	29	24	75
Gateshead	10	13	9	32
West Cumberland	18	11	8	37
South Tyneside	3	8	4	15
Total	271	284	283	838



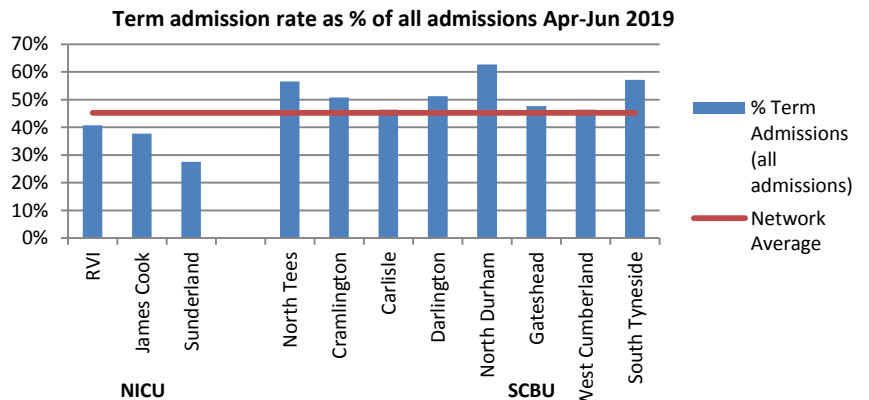
Term Admissions¹

Unit	Apr	May	Jun	Average
RVI**	4.7%	3.1%	5.4%	4.4%
James Cook	3.0%	5.1%	3.3%	3.8%
Sunderland	1.4%	3.5%	2.0%	2.3%
North Tees	5.1%	4.4%	5.6%	5.0%
Cramlington	7.2%	5.0%	3.6%	5.3%
Carlisle	2.5%	4.0%	4.0%	3.5%
Darlington	3.2%	3.3%	7.9%	4.8%
North Durham	5.2%	7.4%	6.0%	6.3%
Gateshead	2.3%	3.5%	1.4%	2.4%
West Cumberland	6.0%	4.4%	4.7%	5.0%
South Tyneside	3.8%	5.7%	N/A	4.9%
Network Average	4.0%	4.4%	4.2%	4.1%



Term Admissions²

Unit	Apr	May	Jun	Average
RVI**	41.4%	39.5%	41.0%	40.8%
James Cook	30.3%	41.9%	40.0%	37.7%
Sunderland	21.4%	32.0%	26.3%	27.6%
North Tees	66.7%	50.0%	55.0%	56.6%
Cramlington	55.6%	57.1%	36.8%	50.7%
Carlisle	42.9%	35.7%	71.4%	46.4%
Darlington	44.4%	35.7%	68.8%	51.3%
North Durham	60.0%	64.0%	63.2%	62.7%
Gateshead	60.0%	41.7%	50.0%	47.6%
West Cumberland	45.5%	44.4%	50.0%	46.4%
South Tyneside	66.7%	57.1%	50.0%	57.1%
Network Average	44.7%	44.7%	46.4%	45.2%



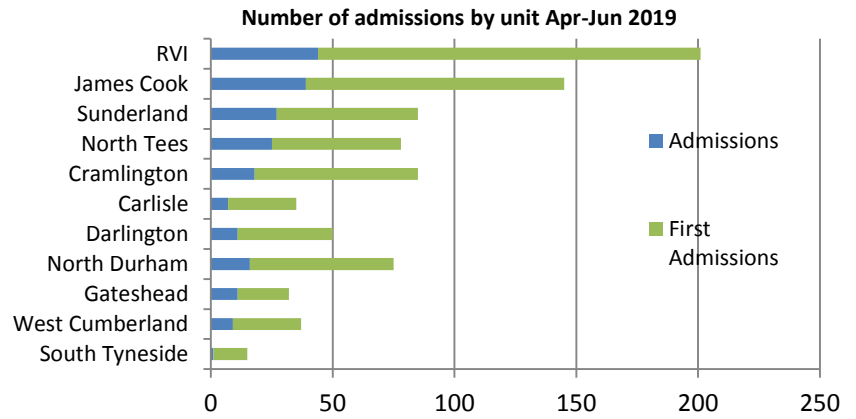
¹ Calculated using 1st episodes admissions and total births less 7% "preterm births" suggested average as per NNN agreement.

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**	201	157	64
James Cook	145	106	40
Sunderland	85	58	16
North Tees	78	53	30
Cramlington	85	67	34
Carlisle	35	28	13
Darlington	50	39	20
North Durham	75	59	37
Gateshead	32	21	10
West Cumberland	37	28	13
South Tyneside	15	14	8
Total	838	630	285



IC Days

Unit	Apr	May	Jun	Total
RVI	278	258	363	899
James Cook	175	148	128	451
Sunderland	74	57	137	268
North Tees	3	4	4	11
Cramlington	3	5	3	11
Carlisle	1	1	1	3
Darlington	1	2	1	4
North Durham	4	2	6	12
Gateshead	1	1	0	2
West Cumberland	4	2	1	7
South Tyneside	0	0	1	1
Total	544	480	645	1669

HD Days

Unit	Apr	May	Jun	Total
RVI	280	315	241	836
James Cook	124	257	404	785
Sunderland	116	123	55	294
North Tees	12	29	17	58
Cramlington	36	10	22	68
Carlisle	9	10	9	28
Darlington	5	6	5	16
North Durham	14	15	12	41
Gateshead	0	5	5	10
West Cumberland	4	12	8	24
South Tyneside	1	5	3	9
Total	601	787	781	2169

SC Days

Unit	Apr	May	Jun	Total
RVI	382	201	196	779
James Cook	301	332	295	928
Sunderland	184	165	193	542
North Tees	260	213	244	717
Cramlington	237	150	152	539
Carlisle	135	128	55	318
Darlington	134	136	126	396
North Durham	234	172	130	536
Gateshead	95	74	93	262
West Cumberland	127	113	32	272
South Tyneside	26	41	40	107
Total	2115	1725	1556	5396

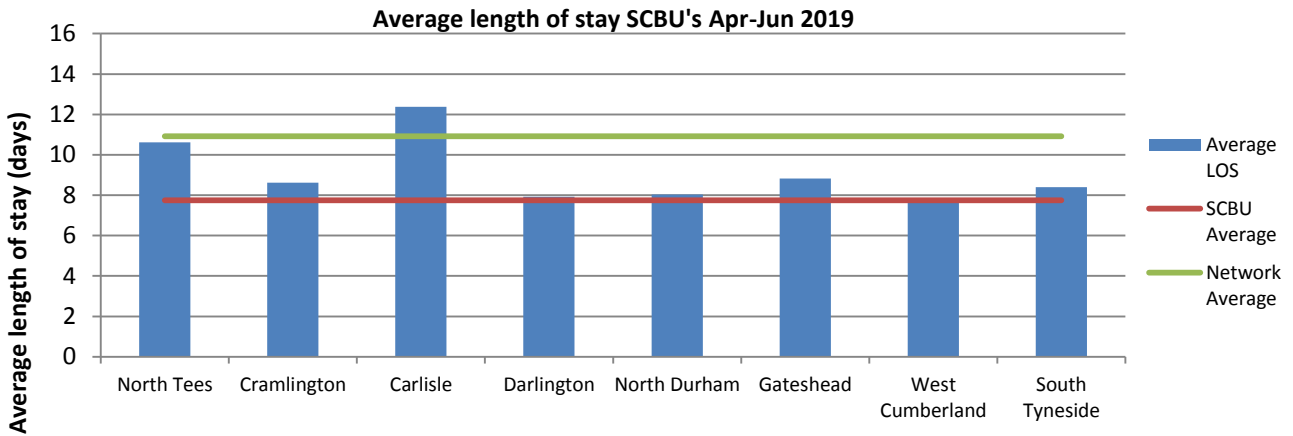
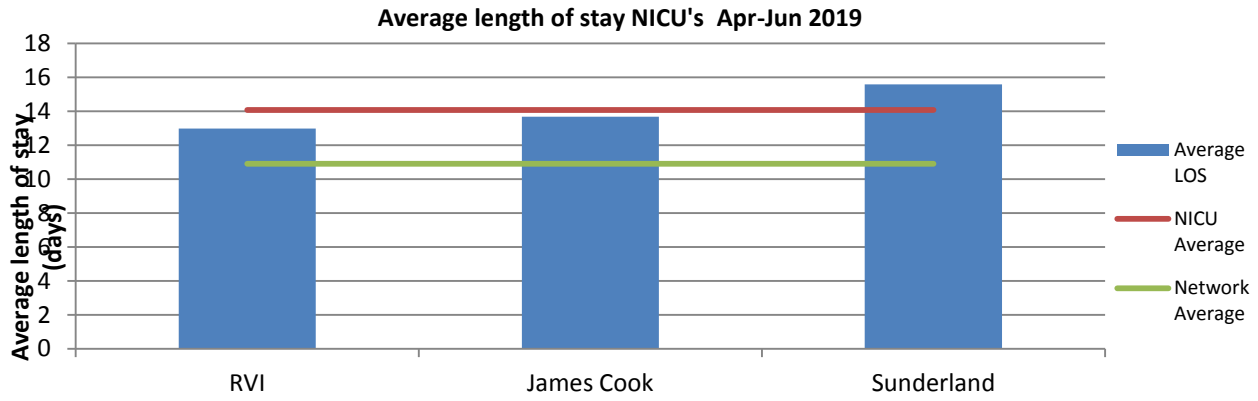
NC Days

Unit	Apr	May	Jun	Total
RVI	17	16	6	39
James Cook	0	0	0	0
Sunderland	0	0	0	0
North Tees	9	11	19	39
Cramlington	10	15	8	33
Carlisle	10	21	6	37
Darlington	6	0	2	8
North Durham	7	17	10	34
Gateshead	1	5	11	17
West Cumberland	1	2	0	3
South Tyneside	4	3	0	7
Total	65	90	62	217

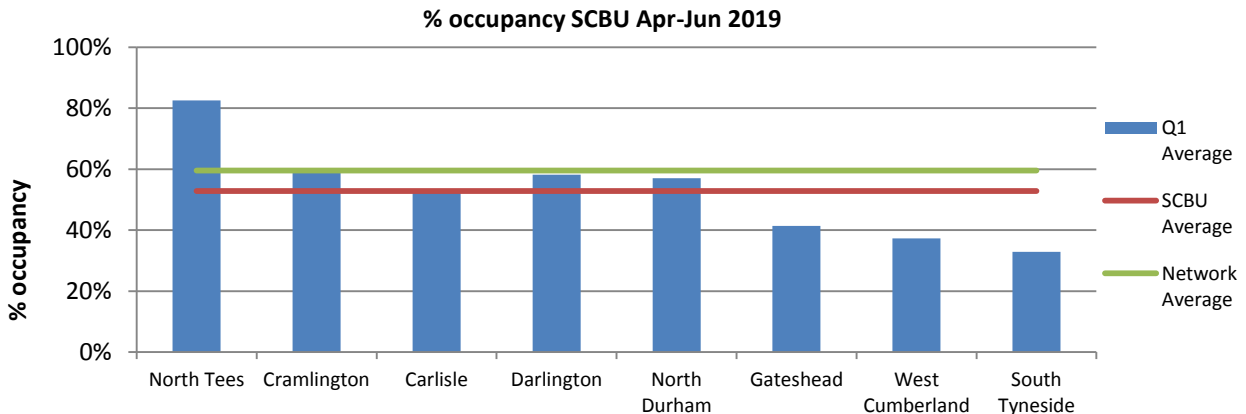
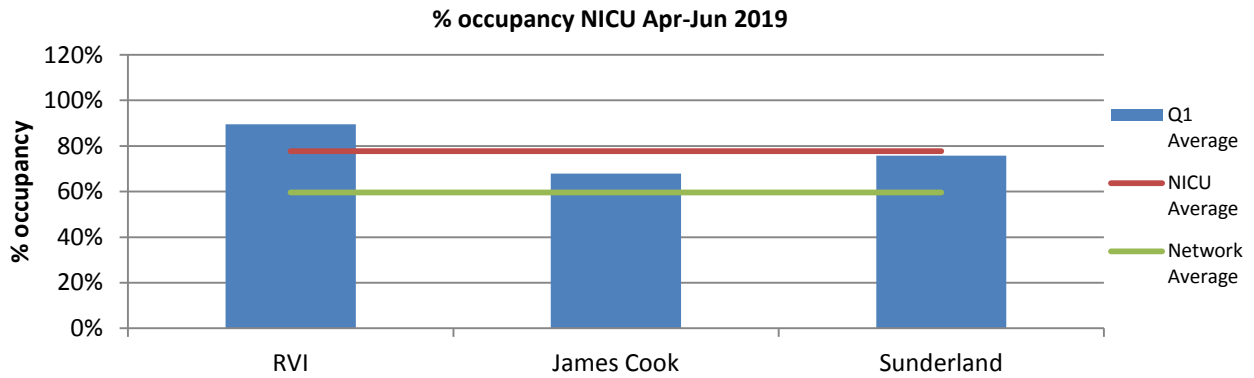
TC Days

Unit	Apr	May	Jun	Total
RVI	356	369	345	1707
James Cook	110	86	-	196
Sunderland	76	41	64	181
North Tees	11	11	22	44
Cramlington	58	74	47	179
Carlisle	55	32	35	122
Darlington	74	79	72	225
North Durham	122	178	182	482
Gateshead	-	-	-	0
West Cumberland	16	0	3	19
South Tyneside*	-	-	-	0
Total				

Section 2 – Length of Stay³



Section 3 – Occupancy⁴



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

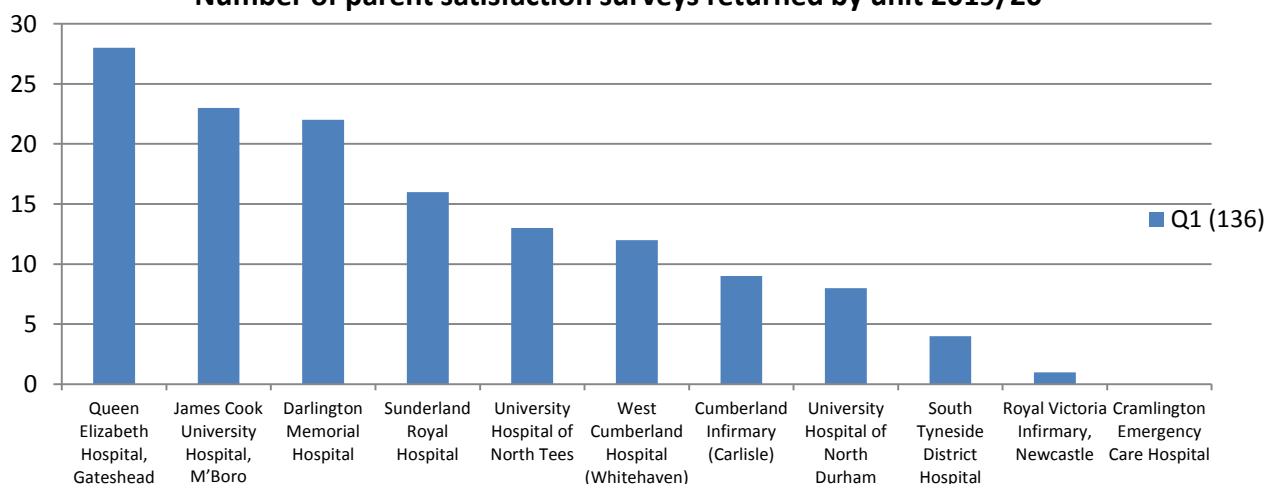
⁴ Calculated using available total cot numbers and occupancy levels.

Section 4a – Clinical Indicators⁵

Period:	National CQUIN				NNAP					
	Q1 19-20				Q1 19-20					
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)	Mag Sulph (Benchmarking)
RVI	0%	96%	100%	94%	96%	77%	27%	76%	97%	74%
James Cook	100%	100%	50%	86%	95%	100%	42%	88%	100%	76%
Sunderland	100%	100%	90%	91%	91%	94%	50%	79%	100%	85%
North Tees	33%	N/A	75%	100%	67%	95%	0%	73%	100%	67%
Cramlington	100%	N/A	71%	100%	80%	98%	25%	57%	100%	N/A
Carlisle	0%	N/A	20%	100%	100%	80%	100%	75%	100%	100%
Darlington	60%	N/A	100%	89%	89%	81%	50%	75%	100%	100%
North Durham	N/A	N/A	60%	100%	80%	80%	100%	100%	100%	100%
Gateshead	N/A	N/A	N/A	100%	100%	69%	N/A	100%	100%	100%
West Cumberland	N/A	N/A	0%	100%	60%	86%	N/A	100%	75%	100%
South Tyneside	100%	N/A	0%	100%	100%	90%	100%	N/A	N/A	N/A
Northern	62%	99%	57%	96%	87%	86%	55%	82%	108%	89%

Section 4b – Non-clinical Indicators

Number of parent satisfaction surveys returned by unit 2019/20



Section 5 – Network Audit & data/information compliance⁶

Unit	Dashboard returns
RVI	Green
JCUH	Green
Sunderland	Green
North Tees	Green
Cramlington	Green
Carlisle	Green
Darlington	Green
North Durham	Green
Gateshead	Green
West Cumberland	Green
South Tyneside	Green

Latest Annual Reports – Northern Neonatal Network		
Unit/Trust	Year	Produced
CDDFT	2018	Aug-19
North Cumbria	2017	Nov-18
RVI	2017	Sep-18
North Tees	2017	Jul-18
JCUH	2016	Nov-17
Sunderland	2016	Nov-17
Cramlington	2016	Aug-17
Gateshead	2016	Dec-17

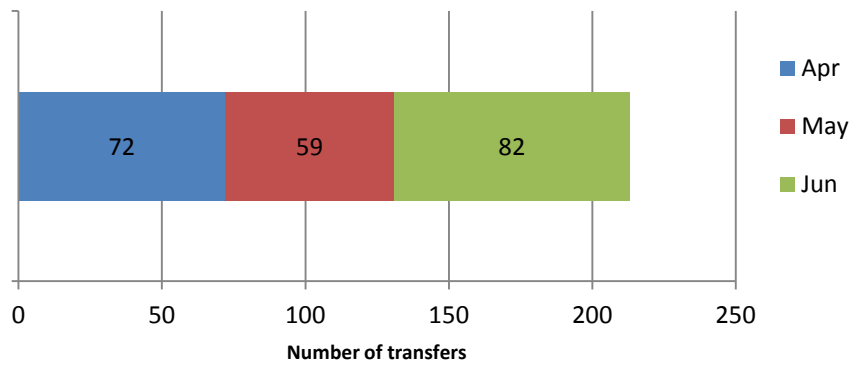
⁵ These are taken from the BadgerNet Dashboard reports for national CQUINs and NNAP Metrics. The former may not be what individual Units have signed up to but are included with the NNAP figures (which will appear on their reports in due course) for benchmarking purpose only

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)

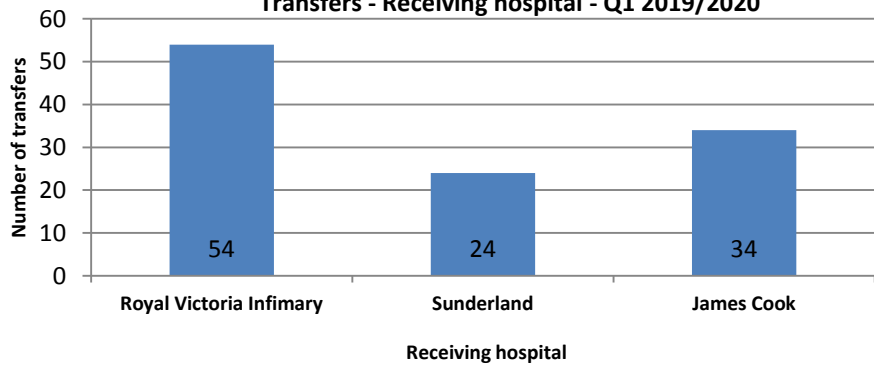
These figures represent the total number of transfers undertaken by each team per month, including back-transfers

Total transfers - Q1 2019/2020



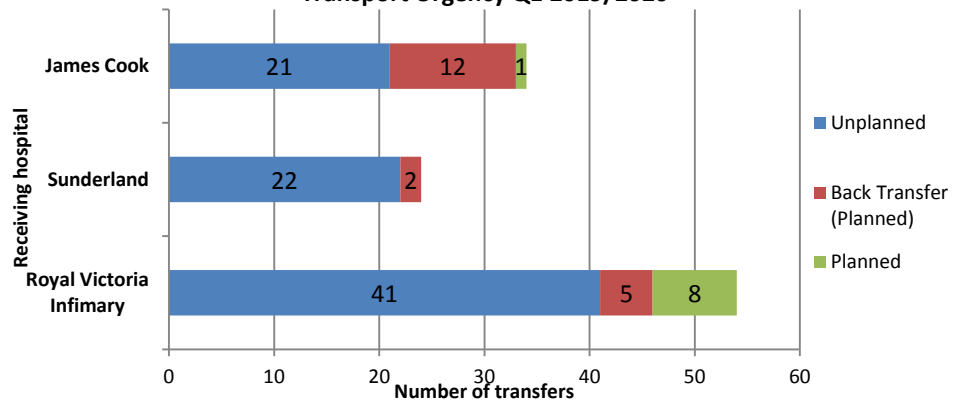
These figures represent the total number of transfers from each of the Level 3 (NICU) Units across the quarter. These include back-transfers (see next chart below).

Transfers - Receiving hospital - Q1 2019/2020



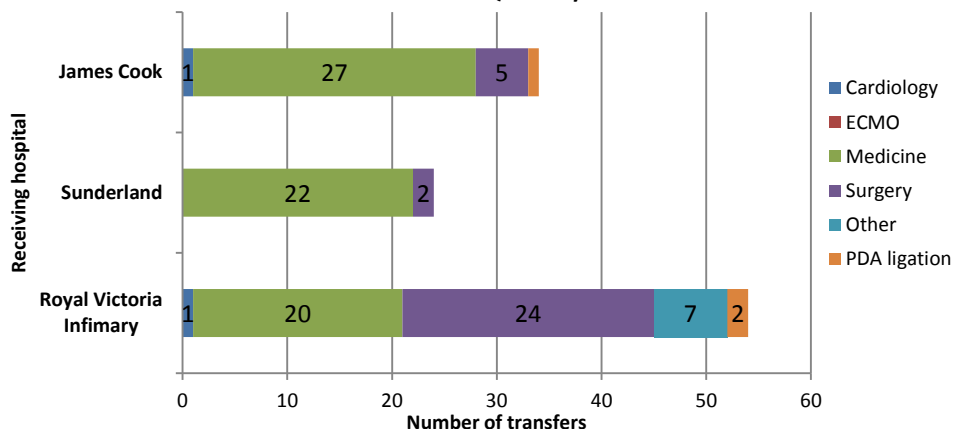
Definitions of urgency are subjective apart from planned back-transfers. The definition of "planned" here is where the need for transfer appears to have been known – such as for surgical cases and cardiac investigations etc. Unplanned would be defined as where transfer could not have been foreseen –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

Transport Urgency Q1 2019/2020



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.

Reason for transfer Q1 2019/2020



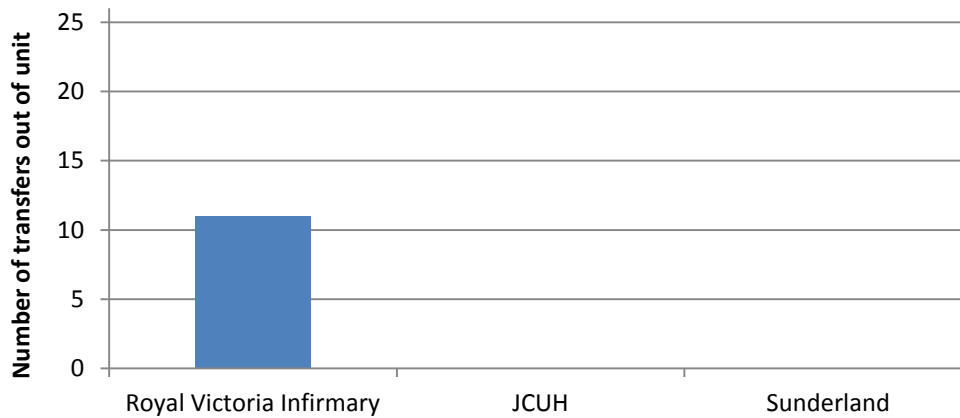
Non-clinical transfers due to cot availability Q1 2019/20

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	11
JCUH	0
Sunderland	0

Non-clinical transfers out due to cot capacity Q1 2019-2020



Out of network activity/transfers

NNN IUT'S THAT WENT OUT OF REGION BECAUSE REGION FULL				
	SINGLETON / MULTIPLE	REASON	FROM	TO
	Twins	RVI delivery suite full	RVI	Glasgow Princess Royal