Neonatal Transport Group.
Birmingham 2013.

Andy Leslie
Chair of NTG.
What’s to come

• NTG activity summary.
• Data returns.
• The year ahead.
NTG Report.

- BAPM memorandum of understanding.
- External assessment/accreditation of teams.
- Incident reporting and sharing system.
- Air transport.
- Membership.
Commissioning

• Scotland – planning new services from April 2014.
• Wales – Provision for N. Wales added
• N. Ireland – 24 hour service and PIC links explored.
• England – service specification for neonatal transport services written for NHS England via Neonatal CRG.
Dataset/IT platform

• Dataset 2012 version unchanged
  – Some nips & tucks may be needed.
    • Tighten some definitions.
    • Add some filters.
  – Comparing quality between services.

• Some progress with an IT spec.
Data 2013
Method

• Email to transport service’s medical and nursing leads requesting activity data from 1.1.13 to 30.6.13

• Brief additional information about each service.
Number of services…

- 2012 – data from 22
- 2013 – data from 21

- Kent/Surrey/Sussex reported from 3 services in 2012 and from one service this year.
- N. Wales added.
# UK summary data Jan-Jun 2012 & 2013

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total transfers</strong></td>
<td>7152</td>
<td>7562</td>
</tr>
<tr>
<td>Ventilated</td>
<td>1889 (26%)</td>
<td>1961 (26%)</td>
</tr>
<tr>
<td>CPAP/high-flow</td>
<td>847 (12%)</td>
<td>906 (12%)</td>
</tr>
<tr>
<td>Cooling</td>
<td>247 (3%)</td>
<td>288 (4%)</td>
</tr>
<tr>
<td>iNO</td>
<td>99 (1%)</td>
<td>111 (1%)</td>
</tr>
<tr>
<td>On inotropes</td>
<td>420 (6%)</td>
<td>447 (6%)</td>
</tr>
</tbody>
</table>
Service Characteristics (n=21)

- 24hrs
- Dedicated vehicles
- Cot bureau
- Conf. calls

Comparison between 2012 and 2013.
Consultants

- Consultant availability **to attend transfers:**
  - Scheduled, all of the time.
  - Scheduled, some of the time
  - Maybe available, ad-hoc.
  - Never available to attend.
Total Transfers/team, Jan – June 2013
Total Transfers/team Jan – June 2012/2013

Increased: 10
Decreased: 8
Average number ventilated transfers/week
Jan – June 2012 & 2013
Number transferred for cooling or assessment for cooling, Jan – June 2012 & 2013

Total for UK
2012: 247
2013: 288
Number transferred on iNO – Jan – June 2012 & 2013

Total for UK
2012: 99
2013: 111
Time standards

Data on

– Time critical (all)
– Time critical at base
– Referral response time (all)
– Uplift transfers performed
% of time critical transfers team mobile within 60 minutes of start of referring call.
% of time critical transfers team mobile within 60 minutes of start of referring call.
% of time critical transfers team mobile within 60 minutes of start of referring call (all calls & calls taken at base)
Team arrived with the patient within 3.5 hours of the start of the referring call (Intensive care; uplift) (n=)

- Problem with inclusion of infants for elective or semi-elective procedures (e.g. PDA ligation).
Team arrived with the patient within 3.5 hours of the start of the referring call (Intensive care; uplift) (%)
Neonatal Transport Services transfer at least 95% of patients requiring transfer for uplift within its defined catchment area. (%)

- Counting what we don’t do is difficult.
Neonatal Transport Services transfer at least 95% of patients requiring transfer for uplift within its defined catchment area. (%)
Neonatal Transport Services transfer at least 95% of patients requiring transfer for uplift within its defined catchment area. (%)
Over-ventilation
% of uplift and resources/capacity transfers, ventilated in transit with pCO$_2$ <4 kPa on the gas measurement on completion of transfer, UK
% of uplift and resources/capacity transfers, ventilated in transit with pCO$_2$ <4 kPa on the gas measurement on completion of transfer, UK

• Note that not all infants had pCO2 available post-transfer.
% of uplift and resources/capacity transfers, ventilated in transit with pCO₂ <4 kPa on the gas measurement on completion of transfer, UK

<table>
<thead>
<tr>
<th></th>
<th>All uplift &amp; resource</th>
<th>Uplift</th>
<th>Resource</th>
</tr>
</thead>
<tbody>
<tr>
<td>n=</td>
<td>1355</td>
<td>1273</td>
<td>82</td>
</tr>
<tr>
<td>pCO₂ &lt;4 kPa n=</td>
<td>118</td>
<td>112</td>
<td>6</td>
</tr>
<tr>
<td>pCO₂ &lt;4 kPa %</td>
<td>9</td>
<td>9</td>
<td>7</td>
</tr>
</tbody>
</table>
% $pCO_2 < 4$ kPa on completion, per service. Jan – June 2013.
% pCO$_2$ <4 kPa on completion, per service. Jan – June 2013.
% pCO₂ <4 kPa on completion, per service.
Jan – June 2013.
% pCO₂ <4 kPa, per service, ETCO₂.
Data, summary

• Data-rich environment.
• Tipping point.
• There’s lots more we can do!
• Measure what’s meaningful, not just what’s measureable.
NTG

• Embrace the quality agenda.
  – Data – hypothesis generation & shared projects.
  – Incident sharing.
  – Promoting patient-focused best practice.
  – Benchmarking.

• Support the profession.
Time critical transfers, all, n=

Jan – June 2012 & 2013

(CONNECT N Ireland, STARs Cumbria, GMNeTS Mersey, Newcastle, ChANTS Mersey, Middlesbrough, Embrace Yorks & Humber, CenTie, WMAS NTS, ANTS Anglia, CHANTS Wales, N Wales, Oxford Thames Valley, NEST Bristol, London NTS, KSS Kent Surrey Sussex, Solent, Peninsula)
Team arrived with the patient within 3.5 hours of the start of the referring call (Intensive care; uplift) (n=)
Neonatal Transport Services transfer at least 95% of patients requiring transfer for uplift within its defined catchment area. (n=)