



# 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.

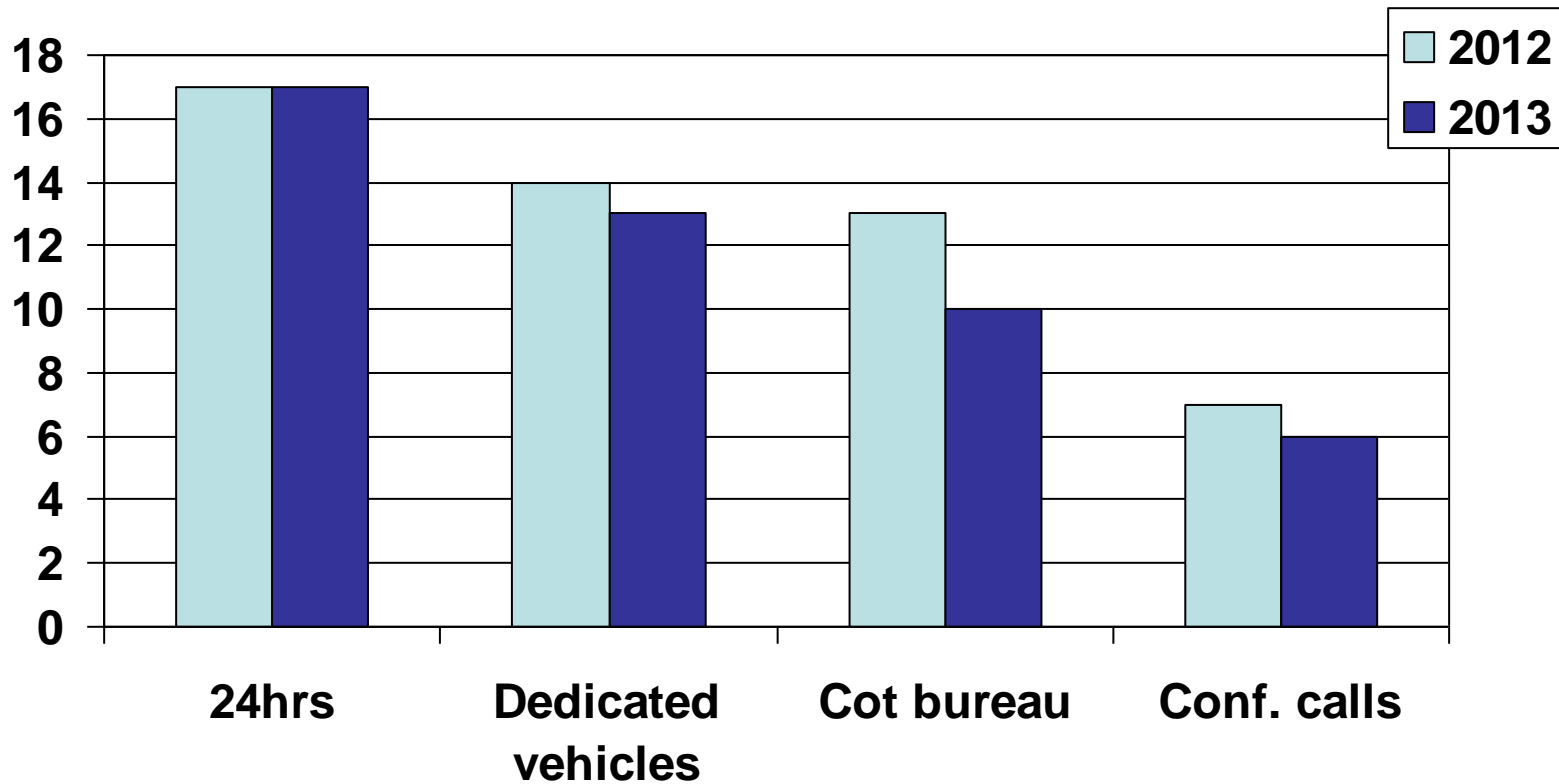
# UK summary data Jan-Jun 2012 & 2013

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|                        | <b>2012</b> | <b>2013</b> |
|------------------------|-------------|-------------|
| <b>Total transfers</b> | <b>7152</b> | <b>7562</b> |
| Ventilated             | 1889 (26%)  | 1961 (26%)  |
| CPAP/high-flow         | 847 (12%)   | 906 (12%)   |
| Cooling                | 247 (3%)    | 288 (4%)    |
| iNO                    | 99 (1%)     | 111 (1%)    |
| On inotropes           | 420 (6%)    | 447 (6%)    |

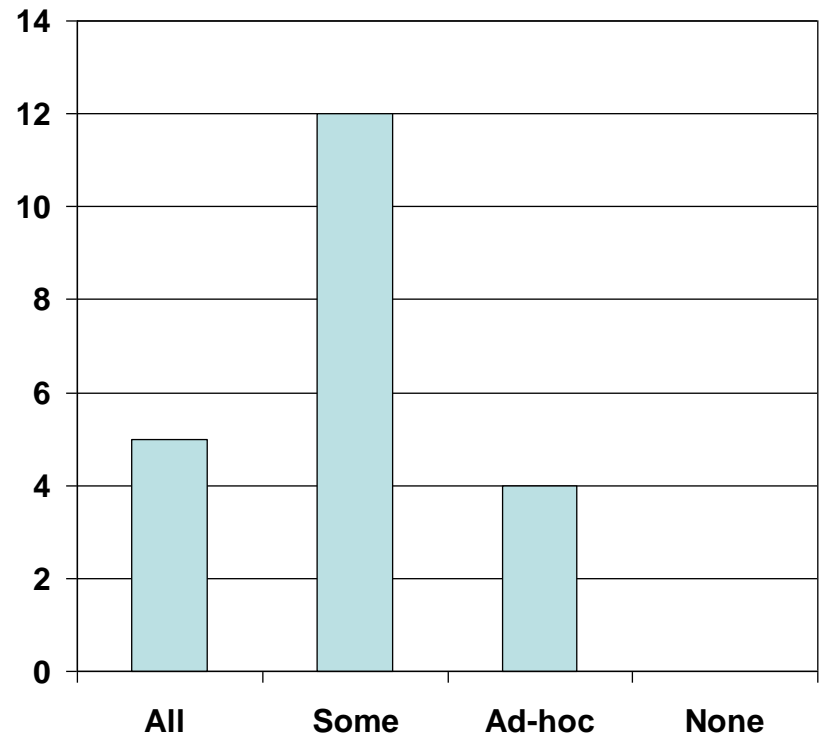
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# Service Characteristics (n=21)

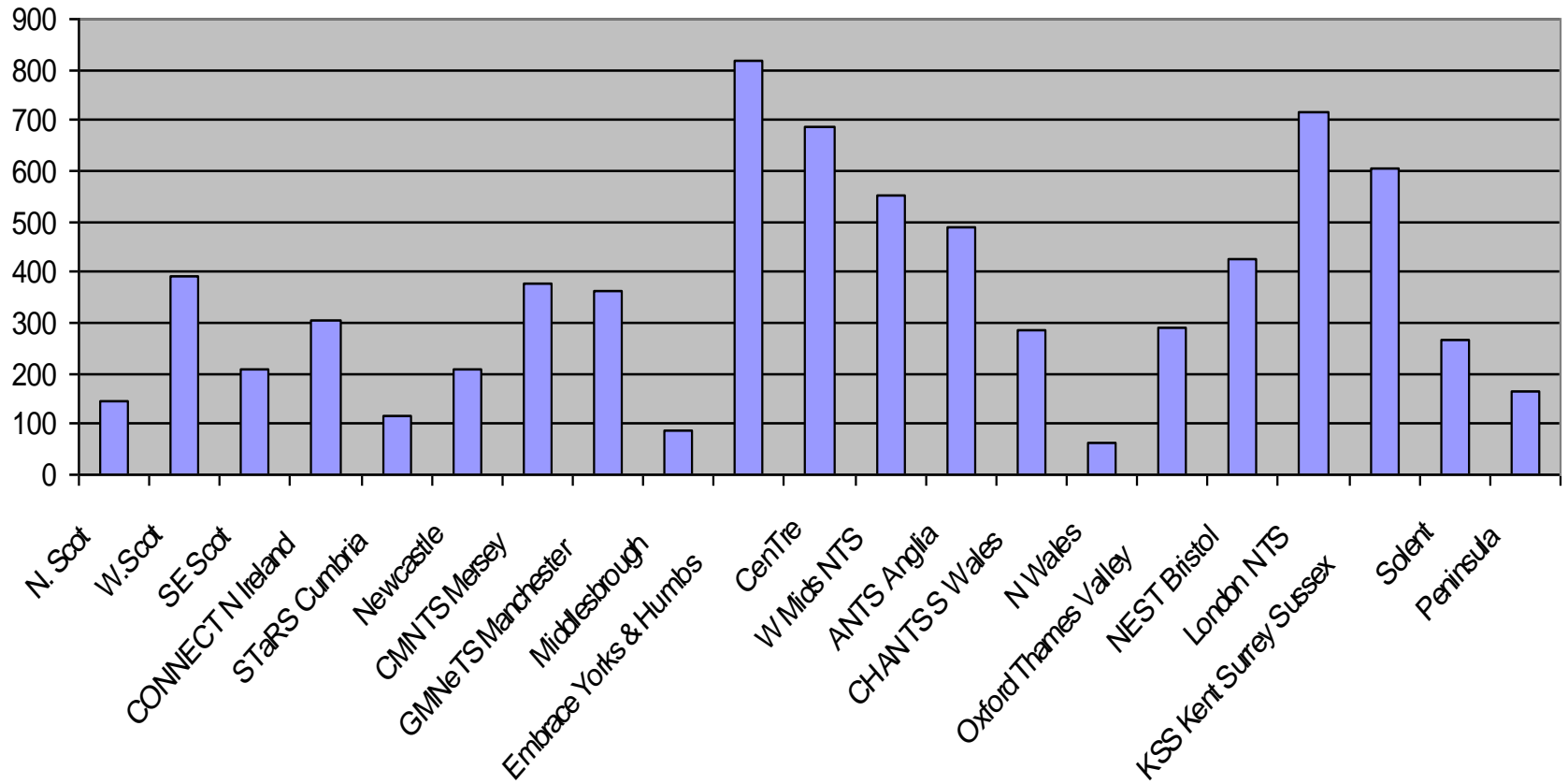


# Consultants

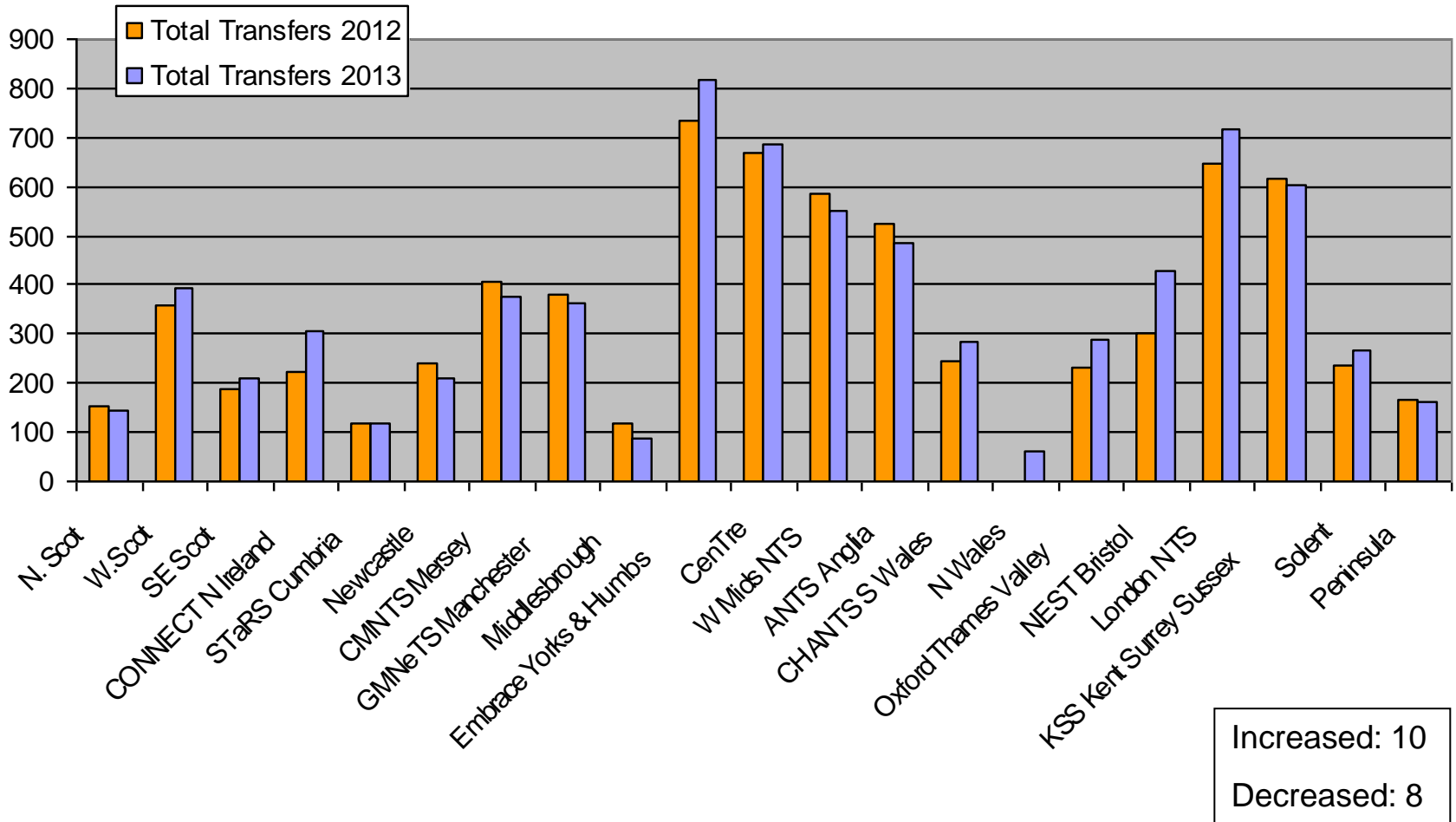
- Consultant availability **to attend transfers:**
  - Scheduled, all of the time.
  - Scheduled, some of the time
  - Maybe available, ad-hoc.
  - Never available to attend.



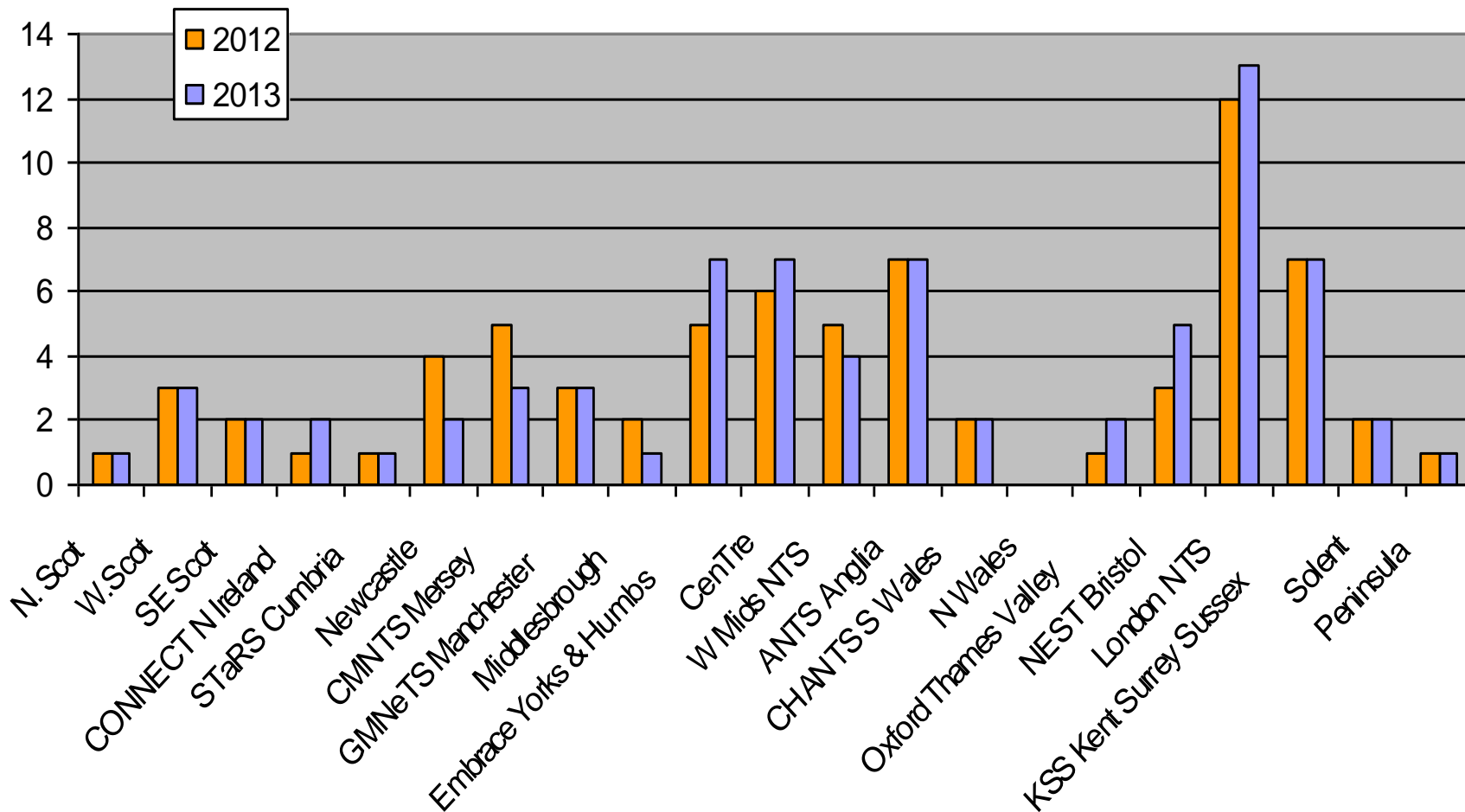
# Total Transfers/team, Jan – June 2013



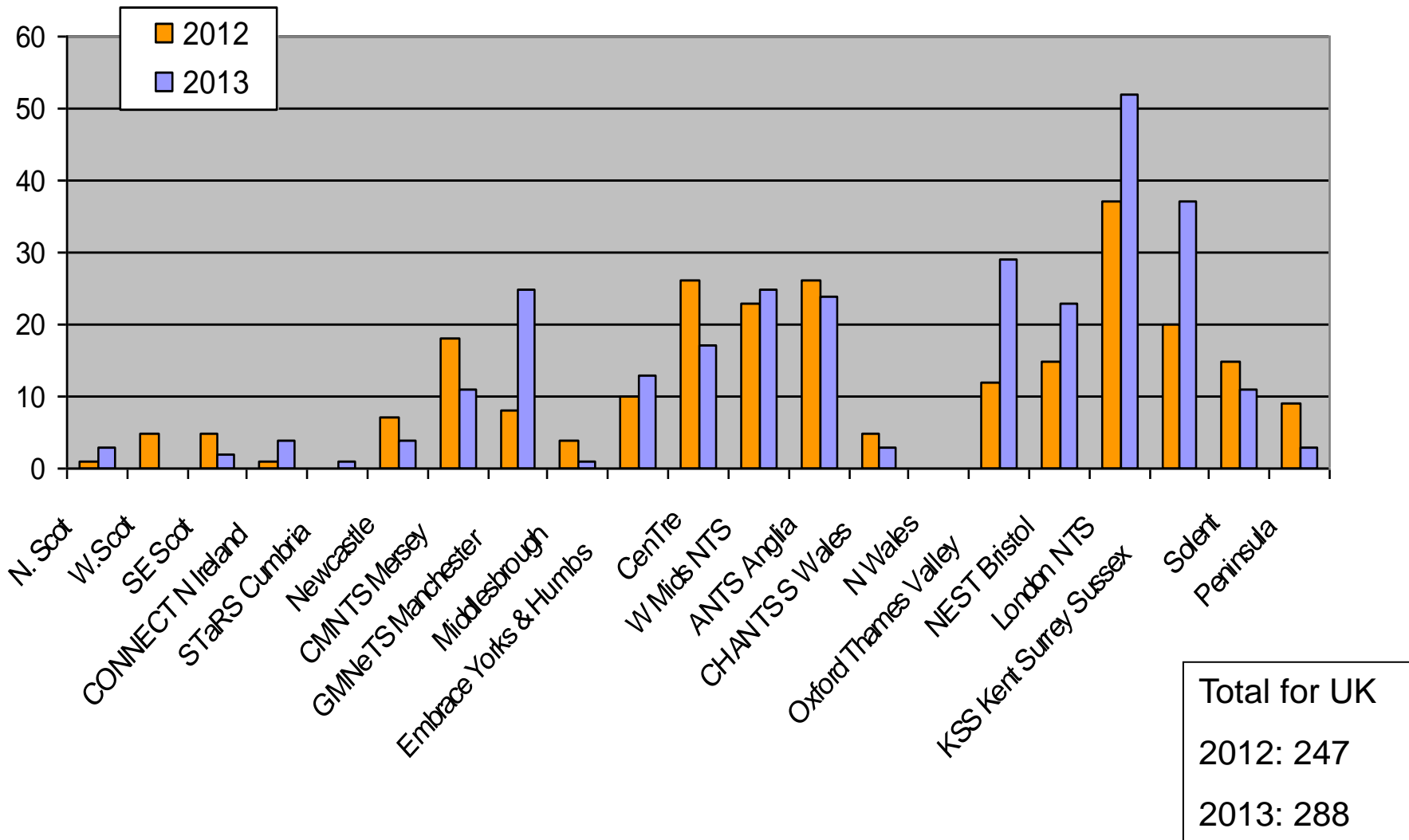
# Total Transfers/team Jan – June 2012/2013



# Average number ventilated transfers/week Jan – June 2012 & 2013

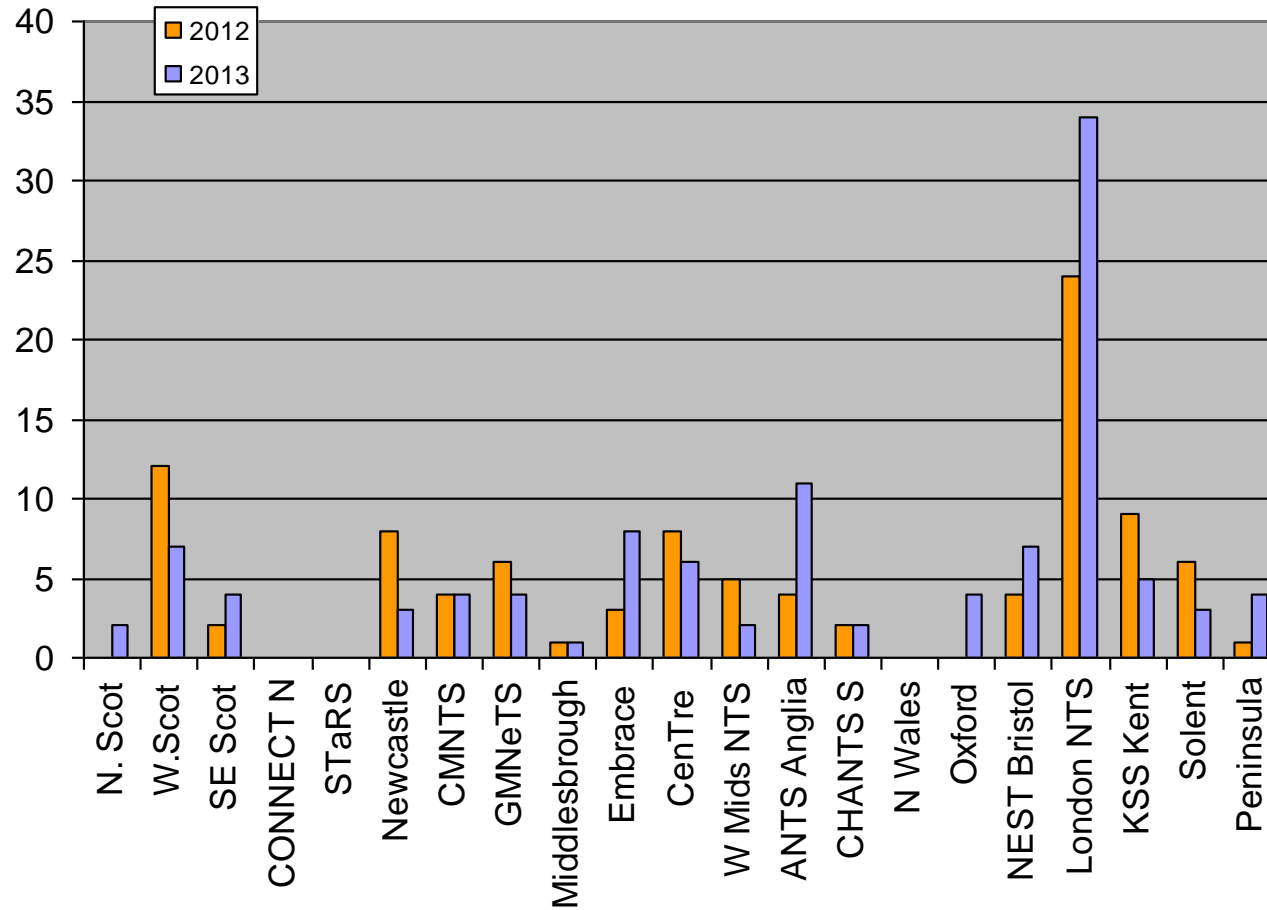


# Number transferred for cooling or assessment for cooling, Jan – June 2012 & 2013





# Number transferred on iNO – Jan – June 2012 & 2013



Total for UK  
2012: 99  
2013: 111

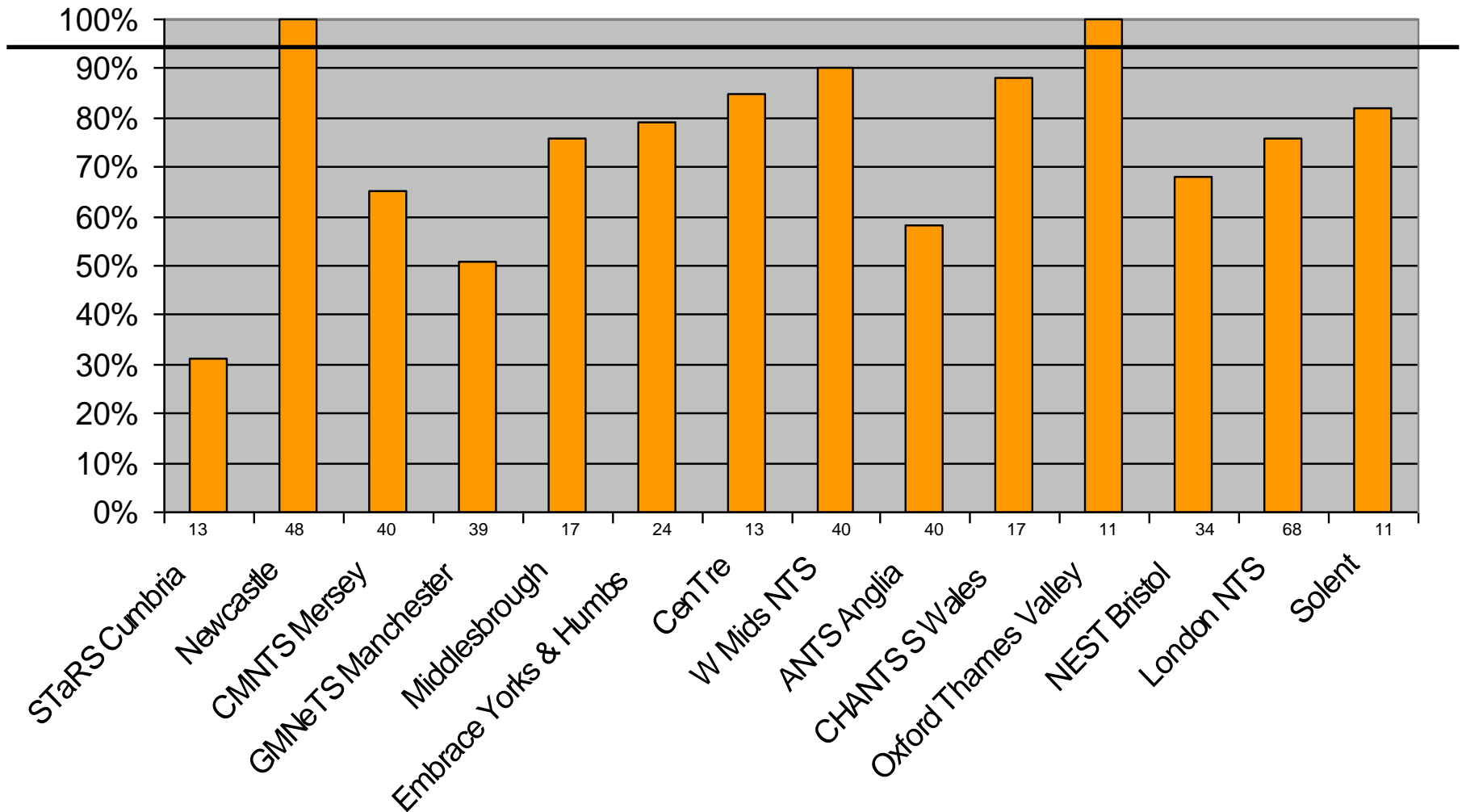
# Time standards

## Data on

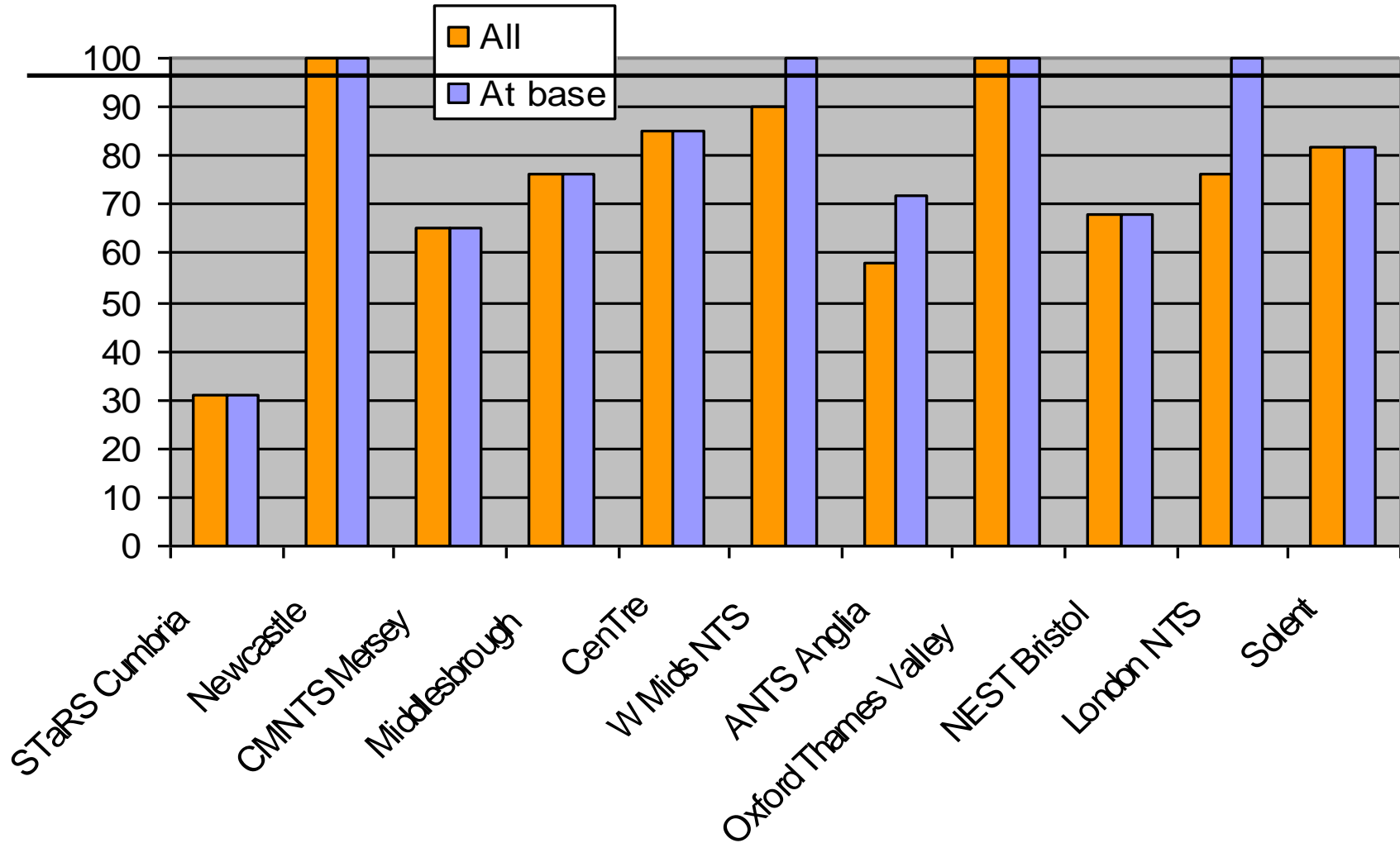
- Time critical (all)
- Time critical at base
- Referral response time (all)
- Uplift transfers performed

% 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.



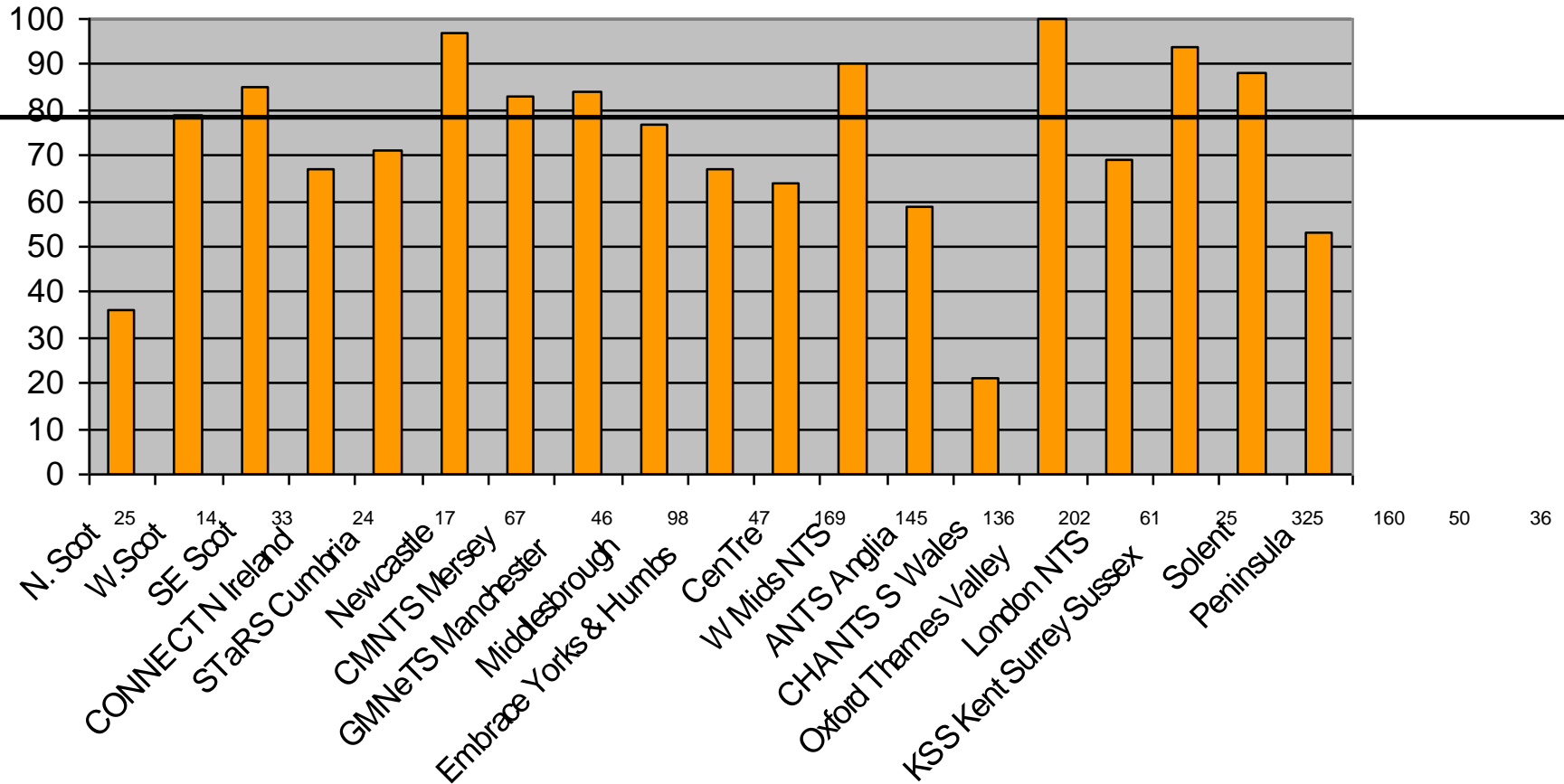
# % of time critical transfers team mobile within 60 minutes of start of referring call (all calls & calls taken at base)



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) (%)



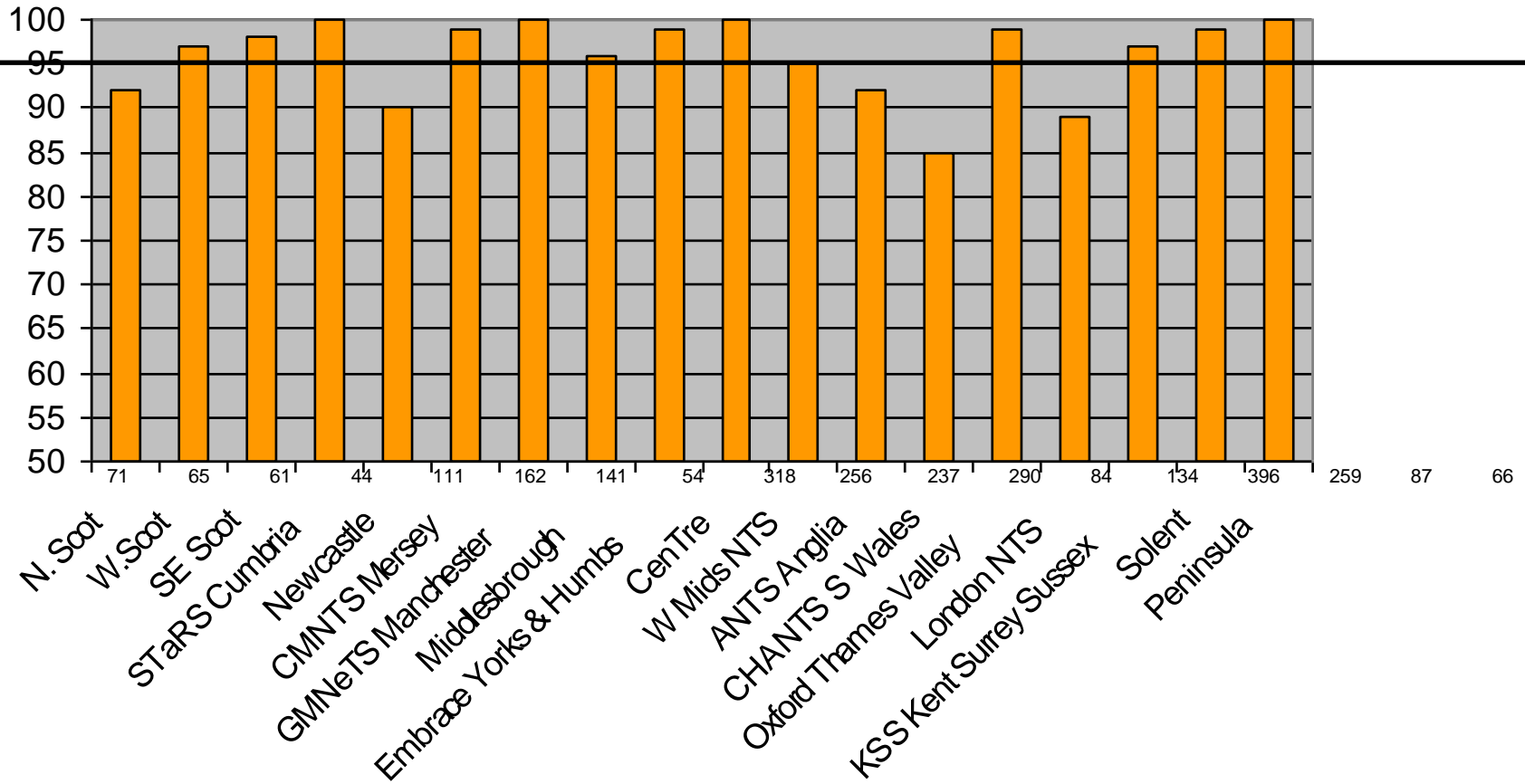
Neonatal Transport Services transfer at least 95% of patients requiring transfer for uplift within its defined catchment area. (%)

- 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  $p\text{CO}_2 < 4$  kPa on the gas measurement on completion of transfer, UK

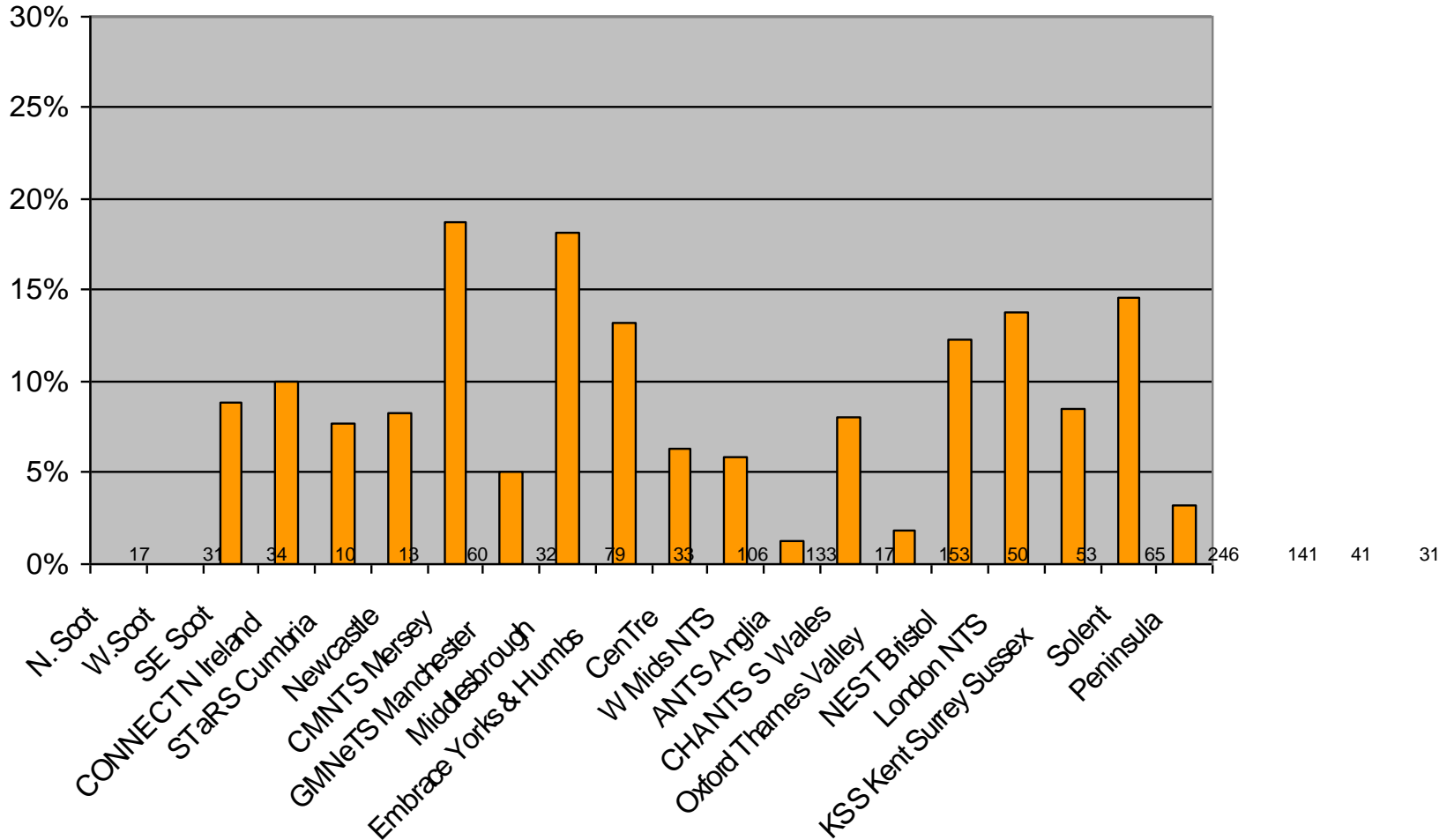
% of uplift and resources/capacity transfers, ventilated in transit with  $p\text{CO}_2 < 4$  kPa on the gas measurement on completion of transfer, UK

- Note that not all infants had  $p\text{CO}_2$  available post-transfer.

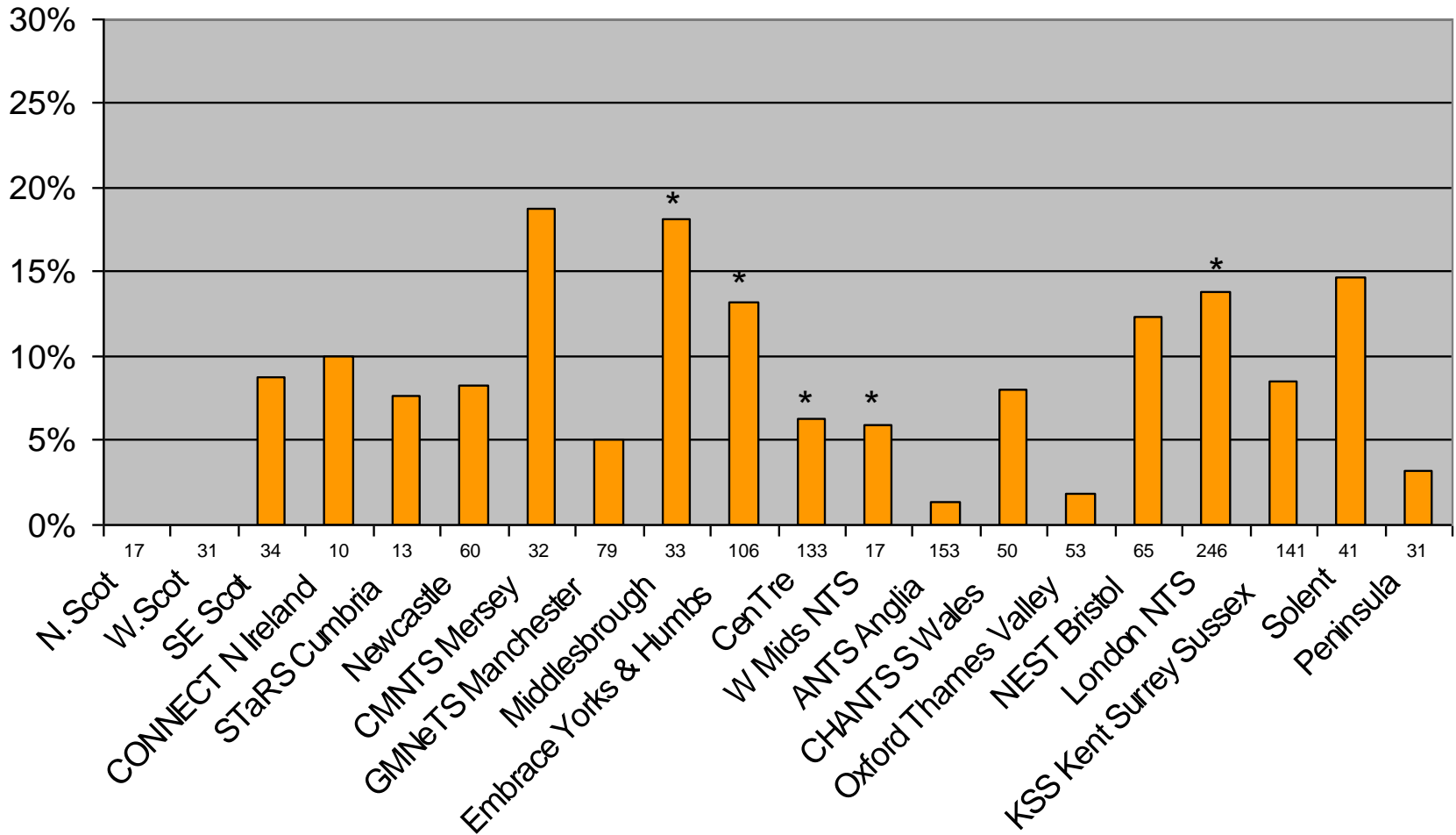
% of uplift and resources/capacity transfers, ventilated in transit with  $p\text{CO}_2 < 4$  kPa on the gas measurement on completion of transfer, UK

|                                  | All<br>n=   | $p\text{CO}_2 < 4$ kPa<br>n= | $p\text{CO}_2 < 4$ kPa<br>% |
|----------------------------------|-------------|------------------------------|-----------------------------|
| <b>All uplift &amp; resource</b> | <b>1355</b> | <b>118</b>                   | <b>9</b>                    |
| Uplift                           | 1273        | 112                          | 9                           |
| Resource                         | 82          | 6                            | 7                           |

# % pCO<sub>2</sub> <4 kPa on completion , per service. Jan – June 2013.

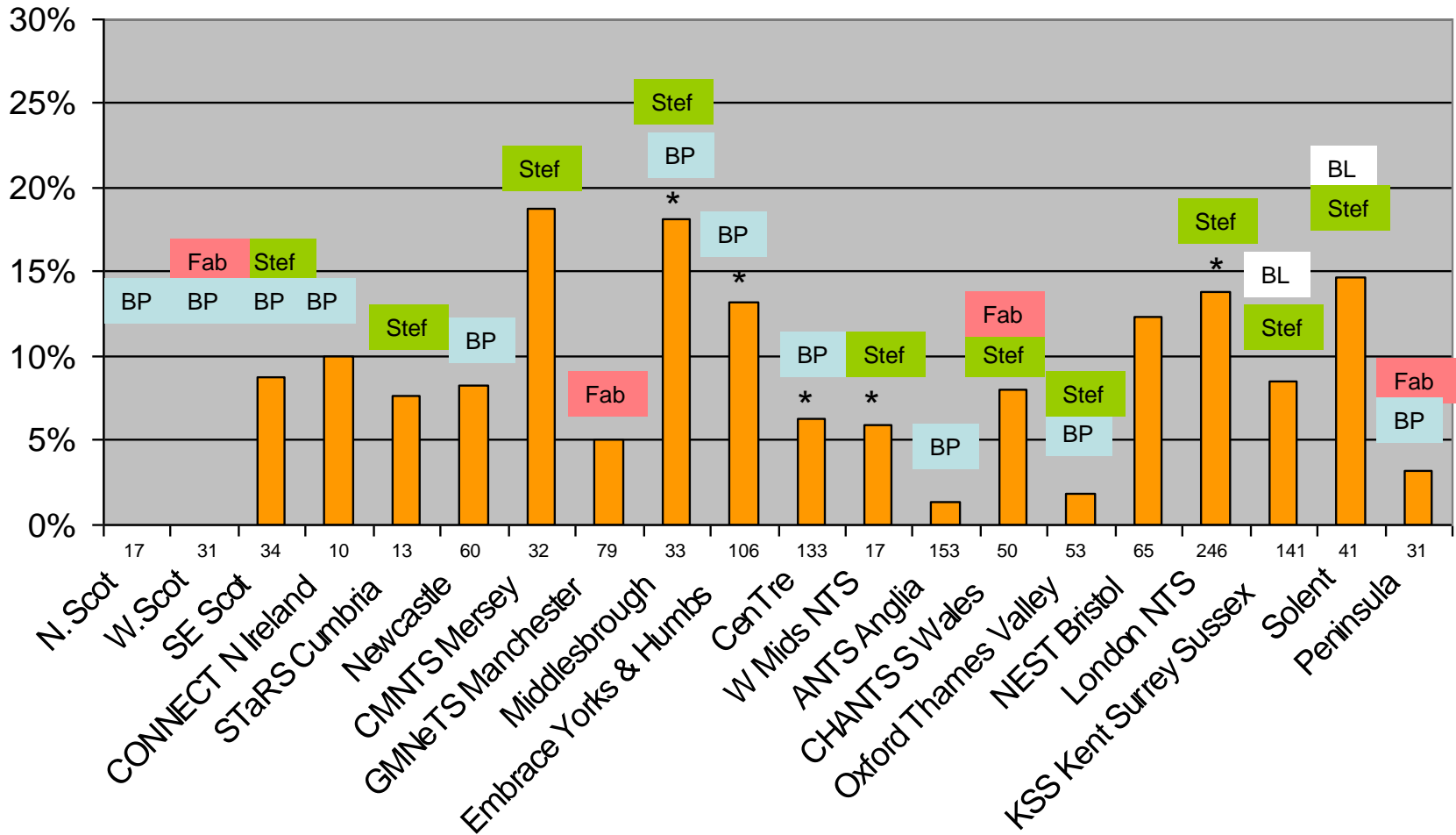


# % pCO<sub>2</sub> <4 kPa on completion , per service. Jan – June 2013.

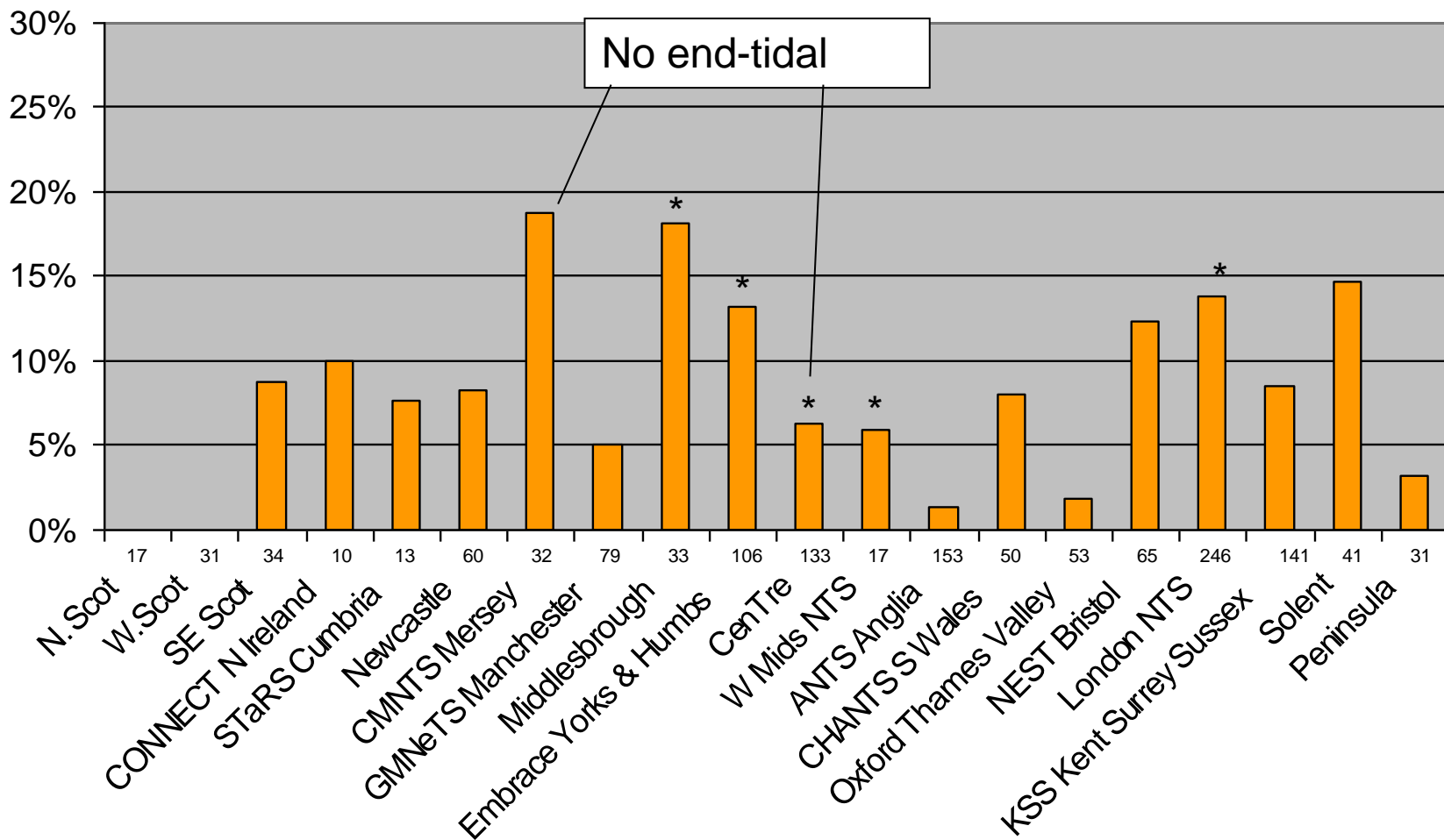




# % pCO<sub>2</sub> <4 kPa on completion , per service. Jan – June 2013.



# % pCO<sub>2</sub> <4 kPa , per service, ETCO<sub>2</sub>.



# Data, summary

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

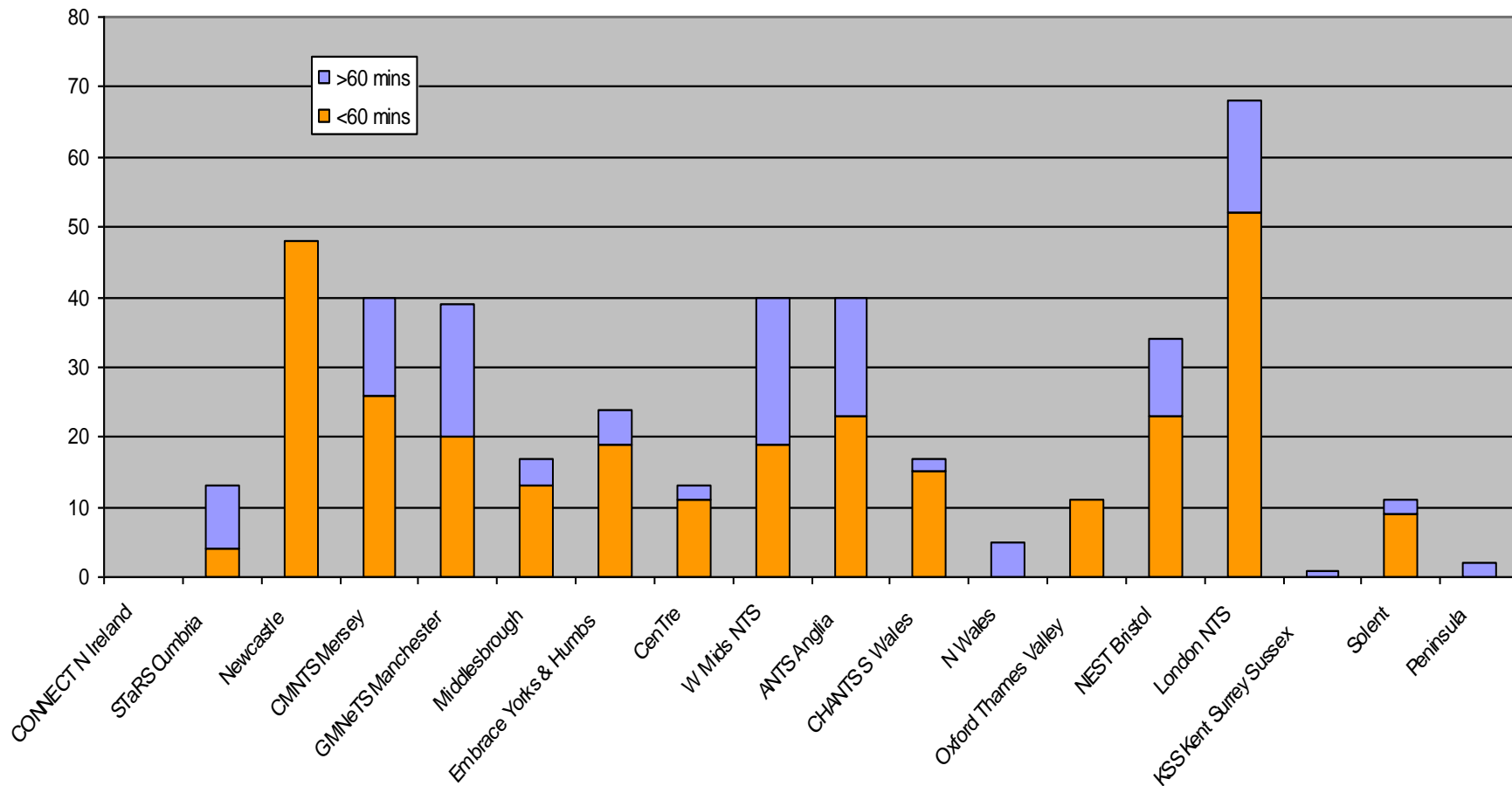
# NTG

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

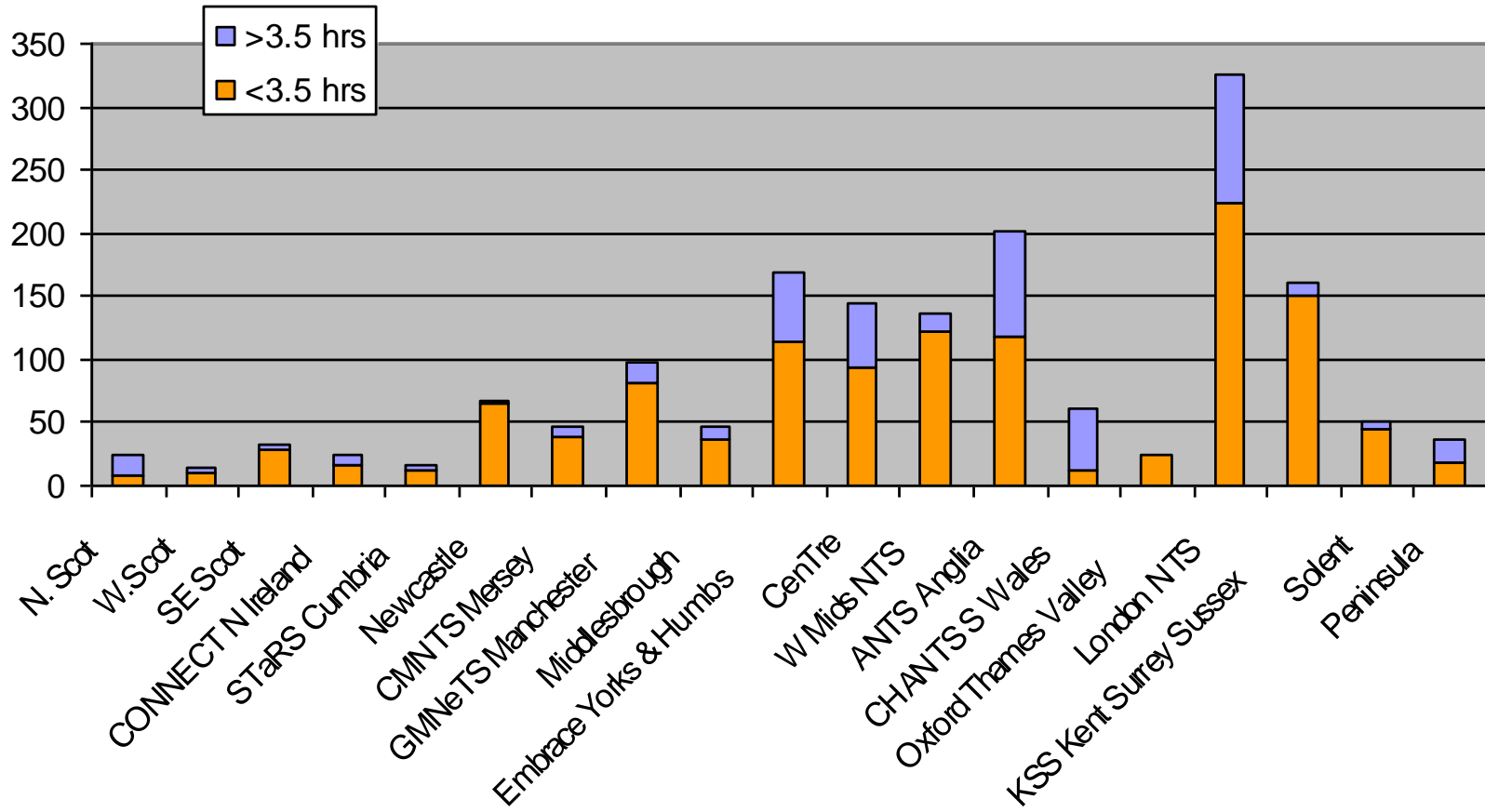


# Time critical transfers, all, n=

Jan – June 2012 & 2013



# 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=)

