

**Explanatory Notes**

All cases (locked and unlocked) admitted to hospital between 01 April 2024 and 30 June 2024 have been included. Only cases where the necessary data are available have been included in the denominator for each individual analysis.

At hospital level, runcharts are compared to hospitals within the same ICB.

The results for process measures for which fewer than 10 cases have available data will not be reported. Instead the value will be marked as 'Insufficient data'.

The NELA standards include a newly updated composite standard for CT Scanning and Reporting. The new standard is composed of three metrics: (1) the proportion of patients who had a CT scan that was reported by senior radiologist (ST3+), (2) the proportion of those reported within an hour or less of the scan, and (3) the proportion of those communicated preoperatively between a senior radiologist (ST3+) and senior surgeon (ST3+) to discuss the CT findings.

*NOTE:* due to changes in database structure, time related metrics may be calculated even if a time (NOT date) stamp is not entered. When time is entered as "00:00" and the "Time not known" box is not ticked, this time-stamp will be used for the standard calculation and may negatively affect reported metrics. We would therefore request that every effort is made to enter the time-stamps for the following variables:

- Date and Time of admission to hospital (Q1.9),
- Date and time of CT scan (Q2.7d),
- Date and time CT scan was reported (Q2.7e),
- Date and time of first dose of antibiotics (Q2.10),
- Date and time arrival in theatre (Q4.1).

For better insight to how these standards have been structured, please refer to the **NELA standards document**.



**Hospital performance: Risk-adjusted measures**  
Rating boundaries are lower and upper 99.8% and 95% control limits



**Hospital performance: Non-risk-adjusted measures**  
Rating boundaries are lower and upper national quartiles

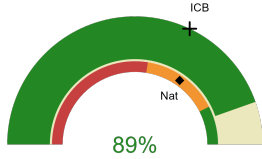


**Royal Bolton Hospital**

**2024-25 Reporting Period 1: 01 April 2024 - 30 June 2024**

These plots represent patients having an emergency laparotomy during Year 2024-25 Reporting Period 1 of NELA data collection. This version will be made publicly available via the NELA website. Feedback from participating hospitals is welcome.

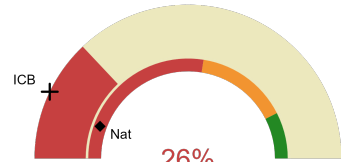
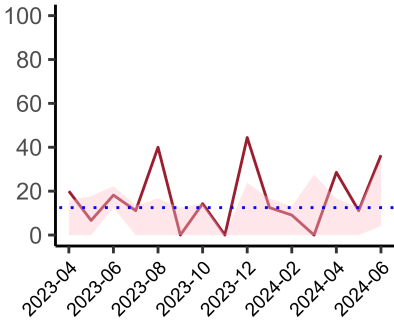
**NELA process and outcome measures**



Estimated case ascertainment  
01 April 2024 - 30 June 2024

**Estimated case ascertainment  
(Based on HES/PEDW Data)**

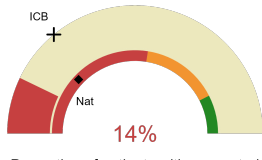
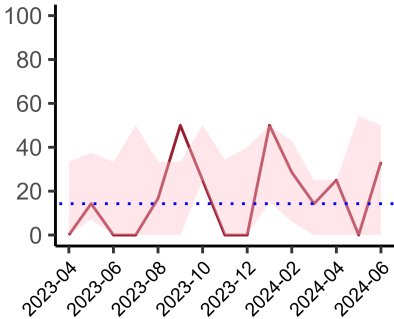
Expected number of cases 37  
Total cases entered 33  
Cases locked 32  
Cases unlocked 1



Proportion of patients who had a CT scan that was reported by a senior radiologist (ST3+) and communicated with the team in the correct time scale before surgery  
01 April 2024 - 30 June 2024

**CT reported by a senior radiologist (ST3+) and communicated with the team in the correct time scale before surgery.**

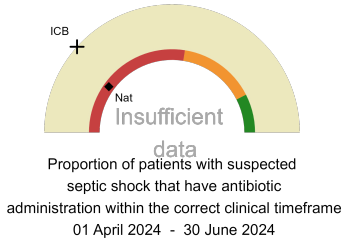
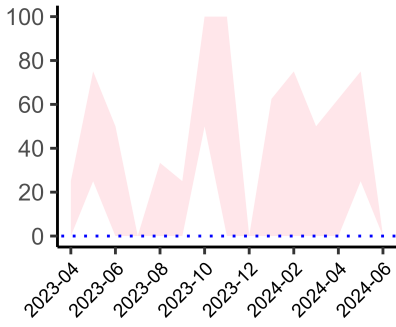
National mean 11%  
ICB mean 14%  
Number of patients included 27  
Data completeness 100%



Proportion of patients with suspected sepsis or infection that have antibiotic administration within the correct clinical timeframe  
01 April 2024 - 30 June 2024

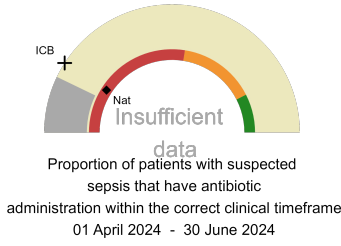
**Combined Infection management standard - antibiotic administration within the correct clinical timeframe**

National mean 24%  
ICB mean 28%  
Number of patients included 14  
Data completeness 100%



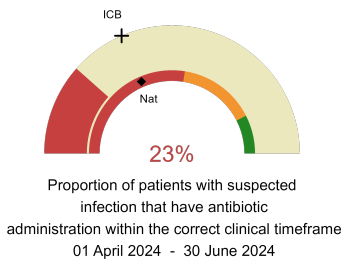
**Septic Shock - antibiotic administration within the correct clinical timeframe**

National mean 20%  
ICB mean 23%  
Number of patients included 3  
Data completeness 100%



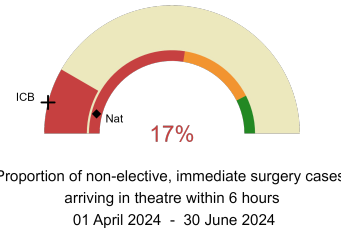
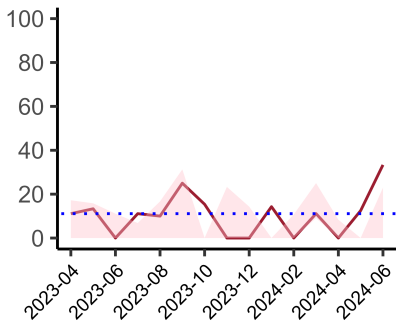
**Sepsis - antibiotic administration within the correct clinical timeframe**

National mean 18%  
ICB mean 18%  
Number of patients included 7  
Data completeness 100%



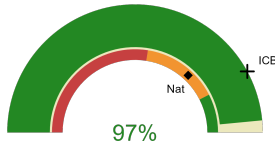
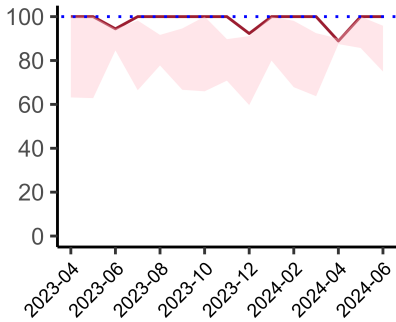
**Infection - antibiotic administration within the correct clinical timeframe**

National mean 37%  
ICB mean 37%  
Number of patients included 13  
Data completeness 100%



**Non-elective, immediate surgery cases, arriving in theatre within 6 hours.**

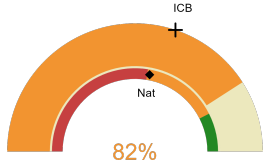
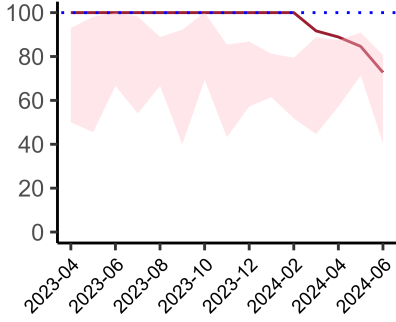
National mean 8%  
ICB mean 8%  
Number of patients included 24  
Data completeness 100%



Risk of death documented before surgery  
01 April 2024 - 30 June 2024

**Risk documented before surgery**

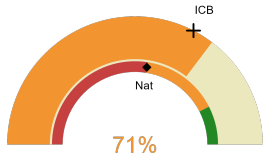
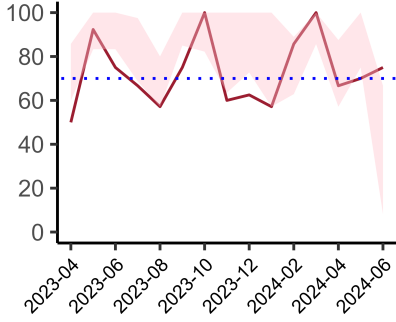
National mean 74%  
ICB mean 84%  
Number of patients included 33  
Data completeness 100%



Risk of death documented after surgery  
01 April 2024 - 30 June 2024

**Risk documented after surgery**

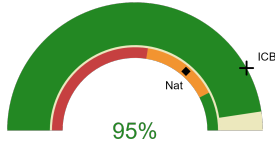
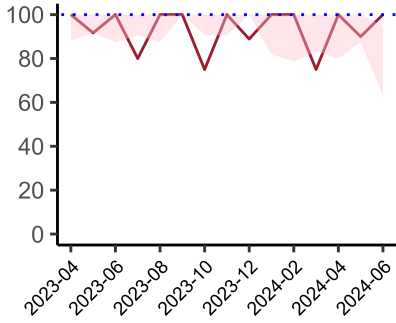
National mean 56%  
ICB mean 60%  
Number of patients included 33  
Data completeness 100%



Admitted to critical care following surgery when the risk of death  $\geq$  5% (Excludes patients who died in theatre or with a decision to palliate)  
01 April 2024 - 30 June 2024

**Admitted to Critical Care (risk of death  $\geq$  5%)**

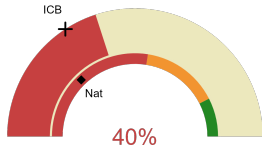
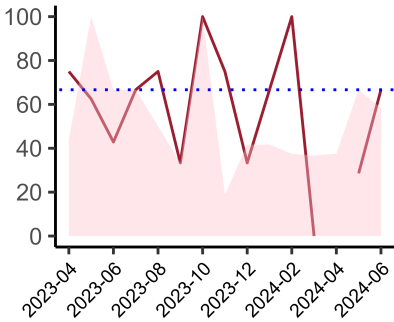
National mean 55%  
ICB mean 65%  
Number of patients included 17  
Data completeness 100%



Consultant surgeon and anaesthetist present in theatre when risk of death  $\geq$  5%  
01 April 2024 - 30 June 2024

**Consultant Anaesthetist & Consultant Surgeon in theatre (risk of death  $\geq$  5%)**

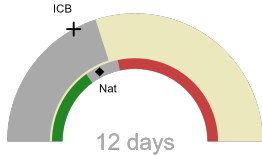
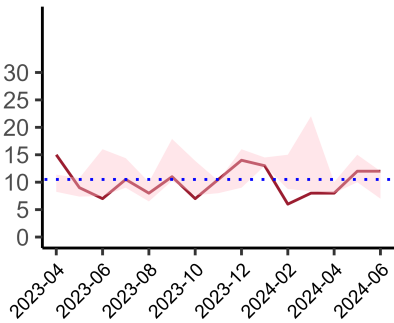
National mean 73%  
ICB mean 84%  
Number of patients included 21  
Data completeness 88%



Perioperative assessment by a care of the older person specialist  
01 April 2024 - 30 June 2024

**Perioperative Assessment by a member of the geriatrician-led multidisciplinary team for patient aged 65 or over and frail (CFS ≥ 5) or 80+**

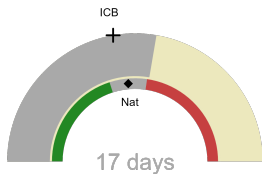
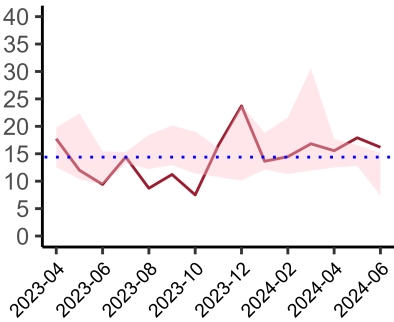
National mean 26%  
ICB mean 32%  
Number of patients included 10  
Data completeness 100%



Median postoperative length of stay in patients surviving to discharge (crude value, not risk adjusted)  
01 April 2024 - 30 June 2024

**Median postoperative length of stay**

National median 10 days  
ICB median 10 days  
Number of patients included 31  
Data completeness 100%



Mean postoperative length of stay in patients surviving to discharge (crude value, not risk adjusted)  
01 April 2024 - 30 June 2024

**Mean postoperative length of stay**

National mean 15 days  
ICB mean 14 days  
Number of patients included 31  
Data completeness 100%

**Integrated Care Board**

Royal Bolton Hospital is part of the NHS Greater Manchester Integrated Care Board ICB. This comprises Salford Royal Hospital, Stepping Hill Hospital, Tameside General Hospital, The Christie, The Royal Oldham Hospital, North Manchester General Hospital, Wythenshawe Hospital, Royal Albert Edward Infirmary, Manchester Royal Infirmary, Royal Bolton Hospital.