

**Explanatory Notes**

All cases (locked and unlocked) admitted to hospital between 01 October 2024 and 31 December 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

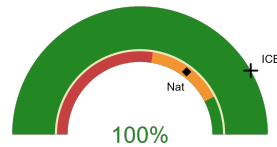


**Royal Liverpool University Hospital**

**2024-25 Reporting Period 7: 01 October 2024 - 31 December 2024**

These plots represent patients having an emergency laparotomy during Year 2024-25 Reporting Period 7 of NELA data collection. This version will be made publicly available via the NELA website. Feedback from participating hospitals is welcome.

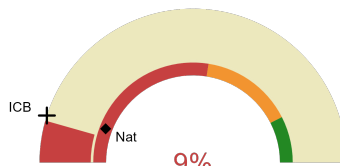
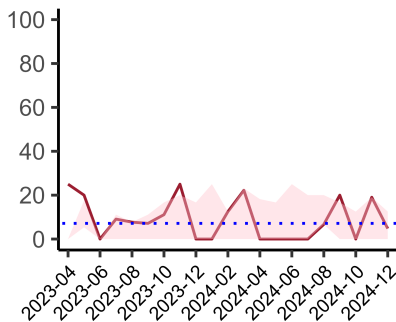
**NELA process and outcome measures**



Estimated case ascertainment  
01 October 2024 - 31 December 2024

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

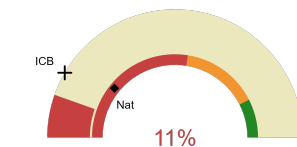
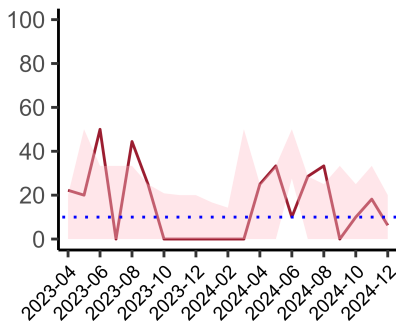
Expected number of cases 47  
Total cases entered 68  
Cases locked 49  
Cases unlocked 19



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 October 2024 - 31 December 2024

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

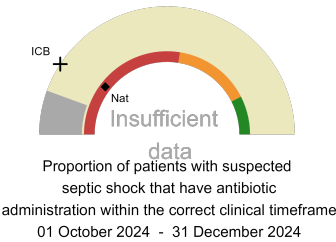
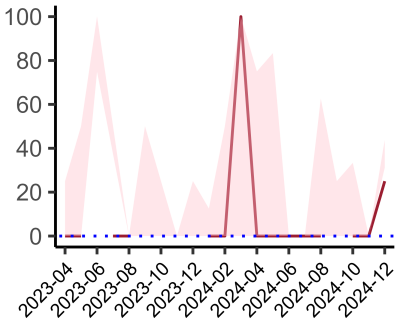
National mean 12%  
ICB mean 10%  
Number of patients included 57  
Data completeness 100%



Proportion of patients with suspected sepsis or infection that have antibiotic administration within the correct clinical timeframe  
01 October 2024 - 31 December 2024

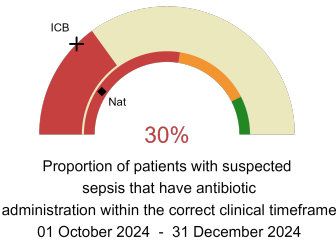
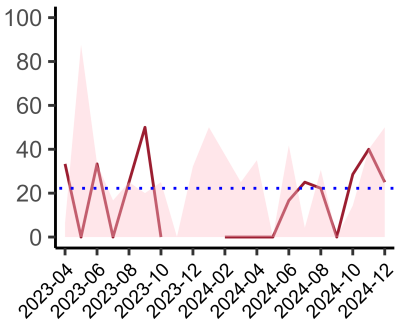
**Combined Infection management standard - antibiotic administration within the correct clinical timeframe**

National mean 22%  
ICB mean 17%  
Number of patients included 37  
Data completeness 100%



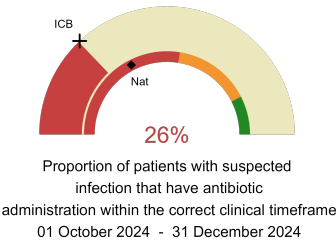
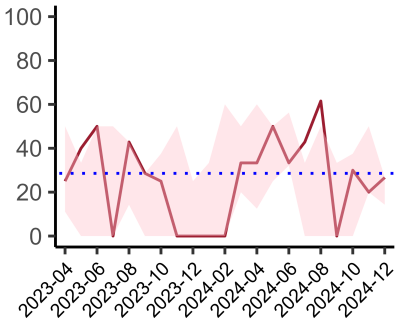
**Septic Shock - antibiotic administration within the correct clinical timeframe**

National mean 21%  
ICB mean 19%  
Number of patients included 9  
Data completeness 100%



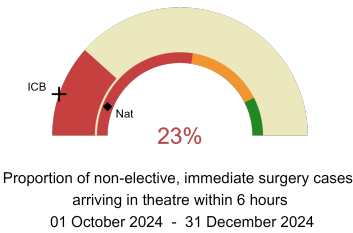
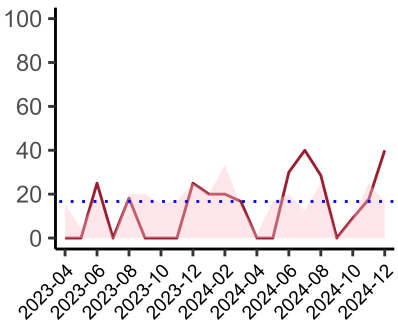
**Sepsis - antibiotic administration within the correct clinical timeframe**

National mean 19%  
ICB mean 25%  
Number of patients included 20  
Data completeness 100%



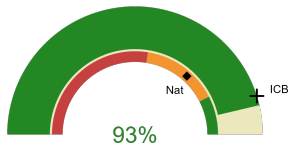
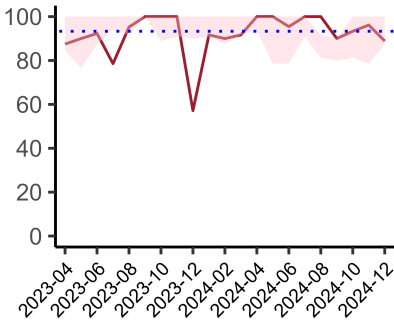
**Infection - antibiotic administration within the correct clinical timeframe**

National mean 35%  
ICB mean 26%  
Number of patients included 35  
Data completeness 100%



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

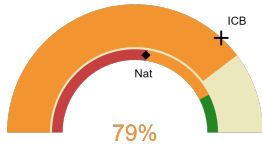
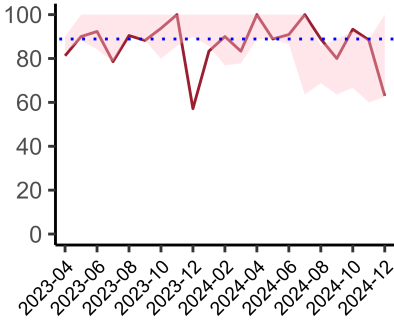
National mean 12%  
ICB mean 10%  
Number of patients included 43  
Data completeness 100%



Risk of death documented before surgery  
01 October 2024 - 31 December 2024

**Risk documented before surgery**

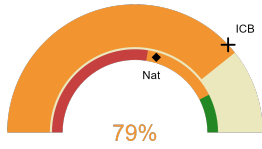
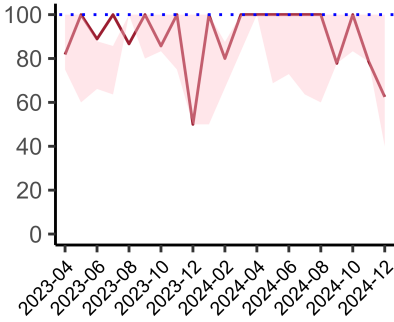
National mean 73%  
ICB mean 90%  
Number of patients included 68  
Data completeness 100%



Risk of death documented after surgery  
01 October 2024 - 31 December 2024

**Risk documented after surgery**

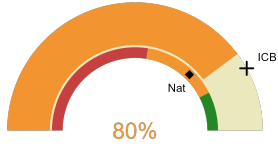
National mean 55%  
ICB mean 74%  
Number of patients included 68  
Data completeness 100%



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 October 2024 - 31 December 2024

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

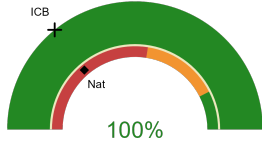
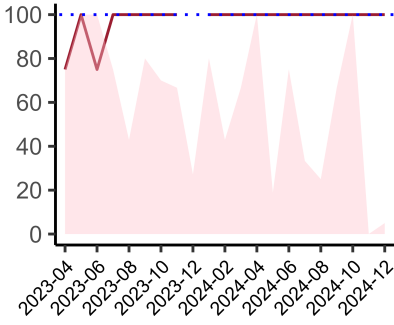
National mean 59%  
ICB mean 76%  
Number of patients included 42  
Data completeness 100%



Consultant surgeon and anaesthetist present in theatre when risk of death  $\geq$  5%  
01 October 2024 - 31 December 2024

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

National mean 75%  
ICB mean 84%  
Number of patients included 54  
Data completeness 92%



Perioperative assessment by a care of the older person specialist  
01 October 2024 - 31 December 2024

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

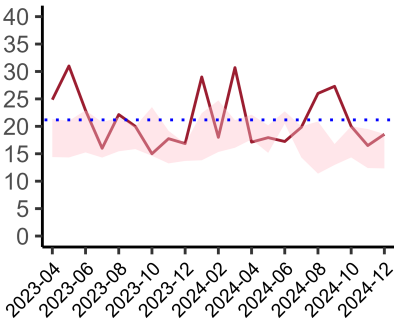
National mean 27%  
ICB mean 28%  
Number of patients included 18  
Data completeness 100%



Median postoperative length of stay in patients surviving to discharge (crude value, not risk adjusted)  
01 October 2024 - 31 December 2024

**Median postoperative length of stay**

National median 10 days  
ICB median 13 days  
Number of patients included 46  
Data completeness 98%



Mean postoperative length of stay in patients surviving to discharge (crude value, not risk adjusted)  
01 October 2024 - 31 December 2024

**Mean postoperative length of stay**

National mean 14 days  
ICB mean 17 days  
Number of patients included 46  
Data completeness 98%

**Integrated Care Board**

Royal Liverpool University Hospital is part of the NHS Cheshire And Merseyside Integrated Care Board ICB. This comprises Southport District General Hospital, Whiston Hospital, Warrington Hospital, Arrowe Park Hospital, Macclesfield District General Hospital, Aintree University Hospital, Leighton Hospital, Countess of Chester Hospital, Royal Liverpool University Hospital.