

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).

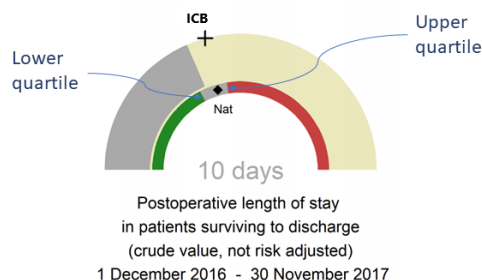
For better insight to how these standards have been structured, please refer to the **NELA standards document**.



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

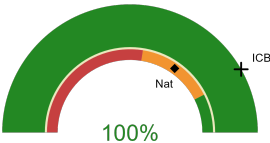


Royal Liverpool University Hospital

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.

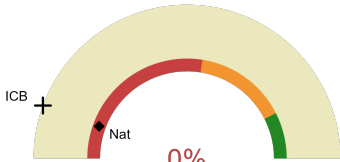
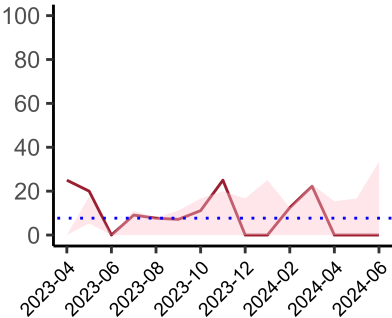
NELA process and outcome measures



Estimated case ascertainment
01 April 2024 - 30 June 2024

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

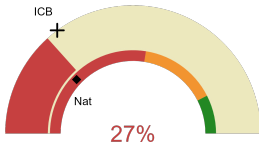
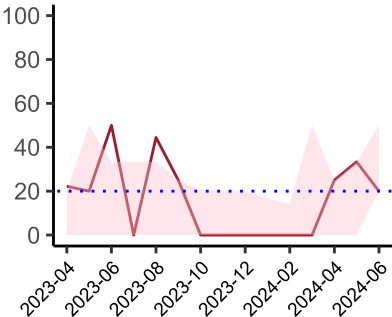
Expected number of cases 47
Total cases entered 49
Cases locked 12
Cases unlocked 37



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.

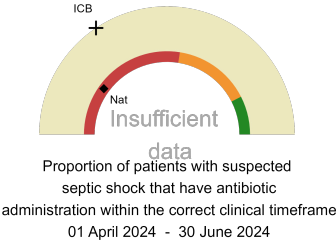
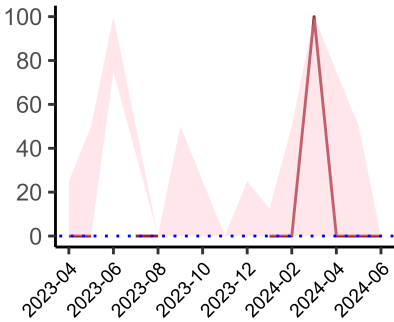
National mean 11%
ICB mean 11%
Number of patients included 35
Data completeness 98%



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

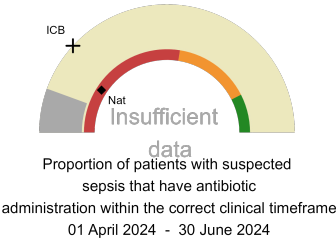
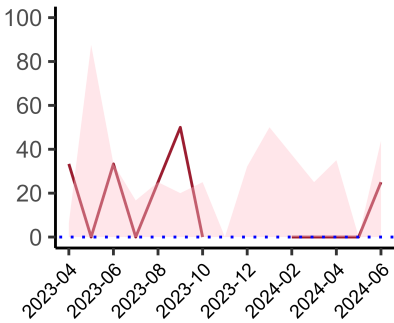
Combined Infection management standard - antibiotic administration within the correct clinical timeframe

National mean 24%
ICB mean 30%
Number of patients included 15
Data completeness 83%



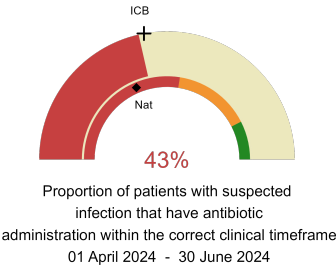
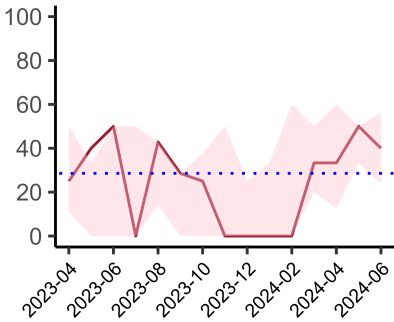
Septic Shock - antibiotic administration within the correct clinical timeframe

National mean 20%
ICB mean 31%
Number of patients included 4
Data completeness 57%



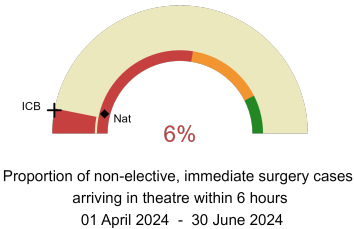
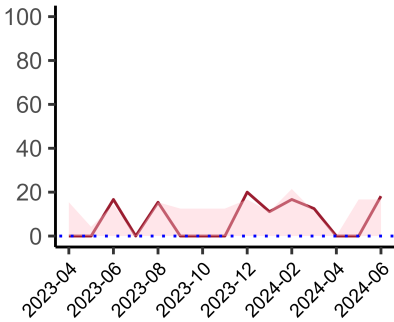
Sepsis - antibiotic administration within the correct clinical timeframe

National mean 18%
ICB mean 24%
Number of patients included 9
Data completeness 75%



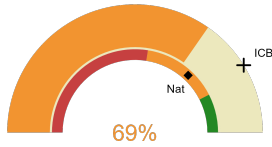
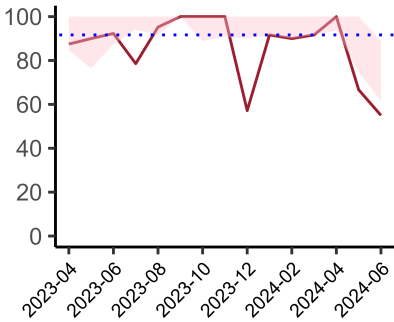
Infection - antibiotic administration within the correct clinical timeframe

National mean 37%
ICB mean 44%
Number of patients included 14
Data completeness 82%



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

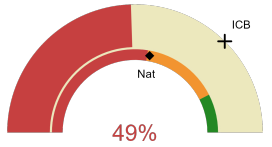
National mean 8%
ICB mean 6%
Number of patients included 32
Data completeness 100%



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

Risk documented before surgery

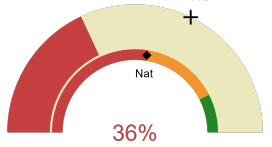
National mean 74%
ICB mean 82%
Number of patients included 49
Data completeness 100%



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

Risk documented after surgery

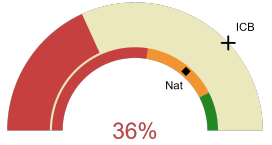
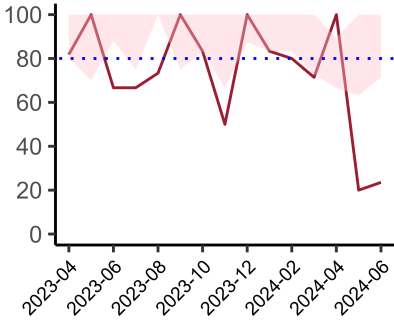
National mean 56%
ICB mean 75%
Number of patients included 49
Data completeness 100%



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%)

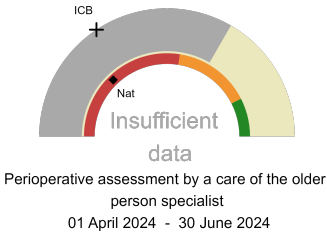
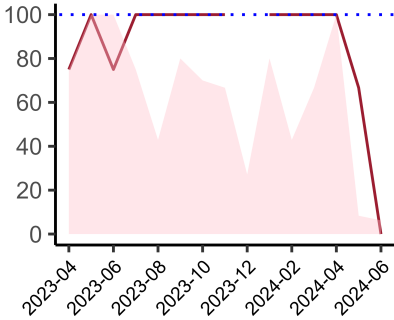
National mean 55%
ICB mean 64%
Number of patients included 36
Data completeness 100%



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

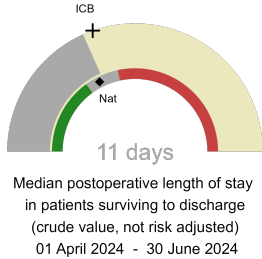
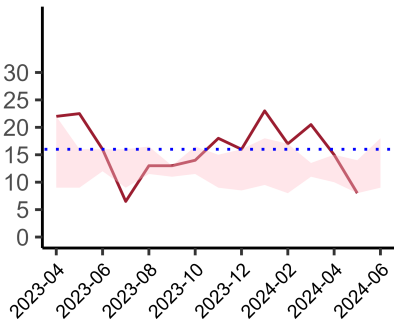
Consultant Anaesthetist & Consultant Surgeon in theatre (risk of death \geq 5%)

National mean 73%
ICB mean 76%
Number of patients included 33
Data completeness 87%



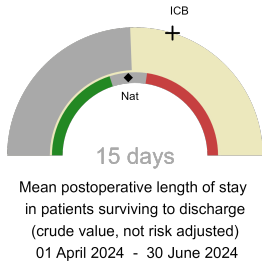
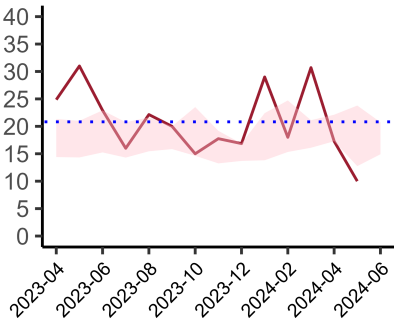
Perioperative Assessment by a member of the geriatrician-led multidisciplinary team for patient aged 65 or over and frail (CFS ≥ 5) or 80+

National mean 26%
ICB mean 31%
Number of patients included 6
Data completeness 38%



Median postoperative length of stay

National median 10 days
ICB median 12 days
Number of patients included 11
Data completeness 100%



Mean postoperative length of stay

National mean 15 days
ICB mean 19 days
Number of patients included 11
Data completeness 100%

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.