

Explanatory Notes

All cases (locked and unlocked) admitted to hospital between 01 September 2024 and 30 November 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**.

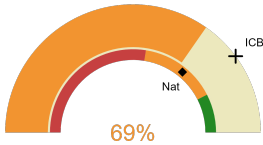


Birmingham Heartlands Hospital

2024-25 Reporting Period 6: 01 September 2024 - 30 November 2024

These plots represent patients having an emergency laparotomy during Year 2024-25 Reporting Period 6 of NELA data collection. This version will be made publicly available via the NELA website. Feedback from participating hospitals is welcome.

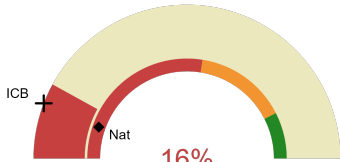
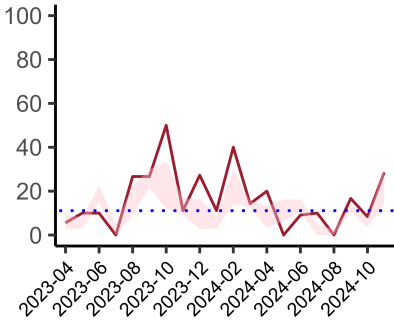
NELA process and outcome measures



Estimated case ascertainment
01 September 2024 - 30 November 2024

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

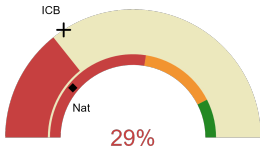
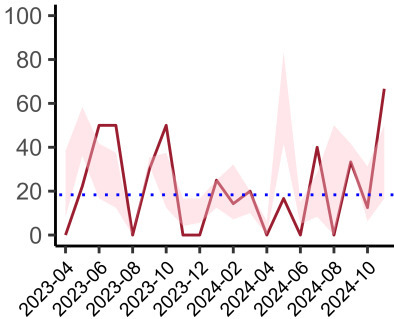
Expected number of cases 49
Total cases entered 34
Cases locked 9
Cases unlocked 25



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 September 2024 - 30 November 2024

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

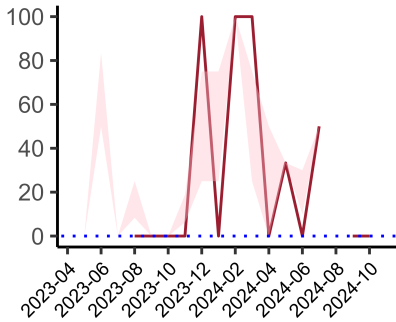
National mean 11%
ICB mean 12%
Number of patients included 25
Data completeness 94%



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

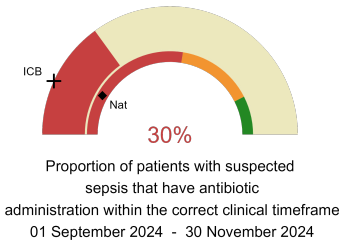
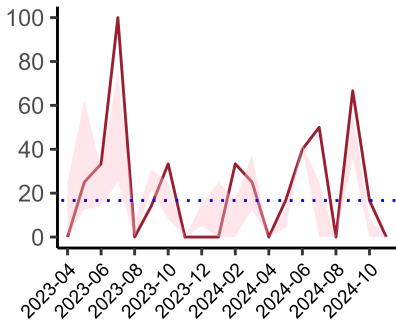
Combined Infection management standard - antibiotic administration within the correct clinical timeframe

National mean 22%
ICB mean 32%
Number of patients included 14
Data completeness 82%



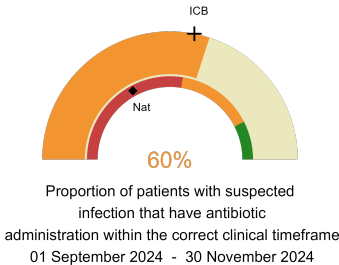
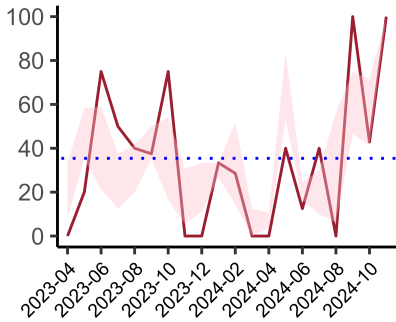
Septic Shock - antibiotic administration within the correct clinical timeframe

National mean 26%
ICB mean 0%
Number of patients included 2
Data completeness 50%



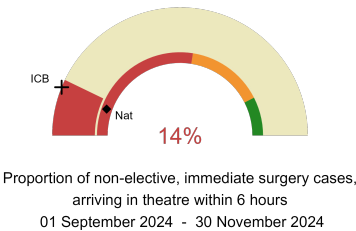
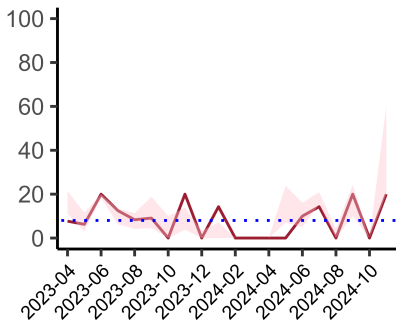
Sepsis - antibiotic administration within the correct clinical timeframe

National mean 17%
ICB mean 14%
Number of patients included 10
Data completeness 77%



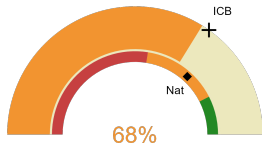
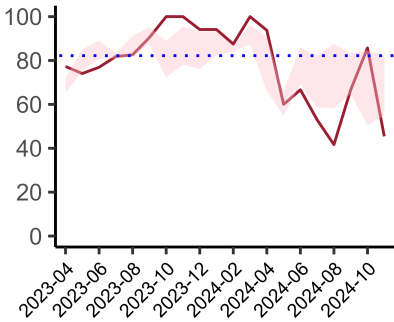
Infection - antibiotic administration within the correct clinical timeframe

National mean 34%
ICB mean 56%
Number of patients included 10
Data completeness 77%



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

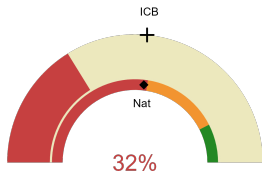
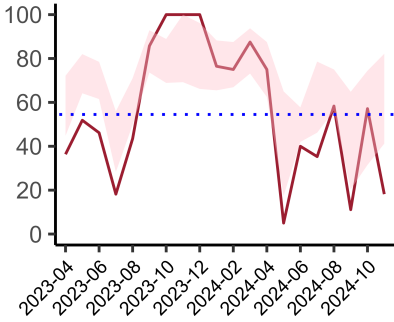
National mean 11%
ICB mean 12%
Number of patients included 14
Data completeness 100%



Risk of death documented before surgery
01 September 2024 - 30 November 2024

Risk documented before surgery

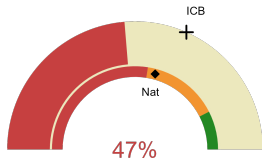
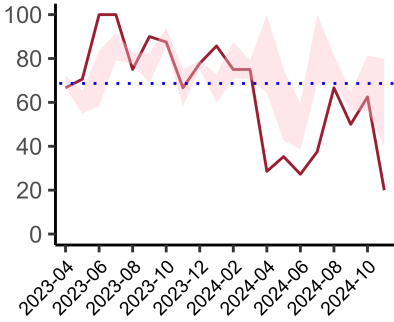
National mean 73%
ICB mean 70%
Number of patients included 34
Data completeness 100%



Risk of death documented after surgery
01 September 2024 - 30 November 2024

Risk documented after surgery

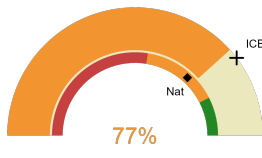
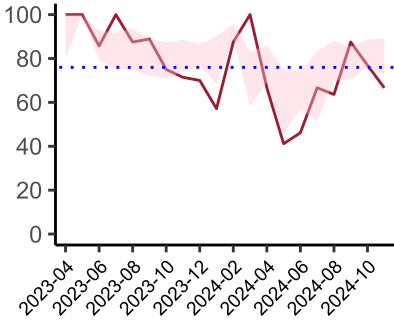
National mean 54%
ICB mean 53%
Number of patients included 34
Data completeness 100%



Admitted to critical care following surgery when the risk of death ≥ 5% (Excludes patients who died in theatre or with a decision to palliate)
01 September 2024 - 30 November 2024

Admitted to Critical Care (risk of death ≥ 5%)

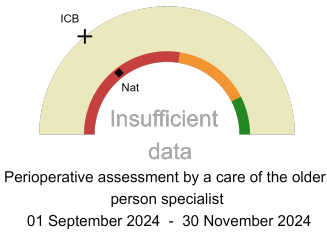
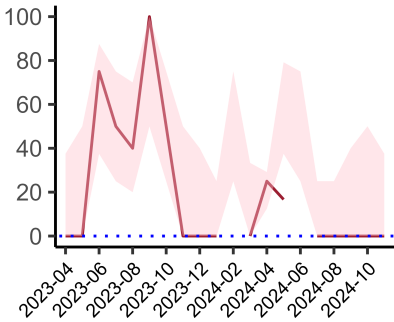
National mean 58%
ICB mean 63%
Number of patients included 19
Data completeness 100%



Consultant surgeon and anaesthetist present in theatre when risk of death ≥ 5%
01 September 2024 - 30 November 2024

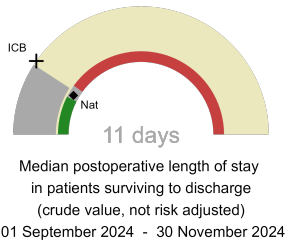
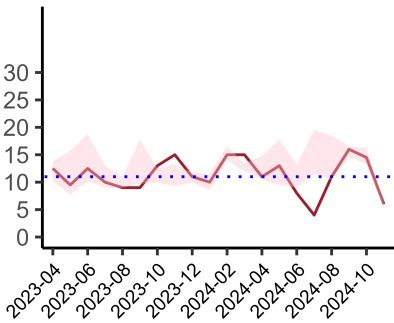
Consultant Anaesthetist & Consultant Surgeon in theatre (risk of death ≥ 5%)

National mean 73%
ICB mean 79%
Number of patients included 30
Data completeness 97%



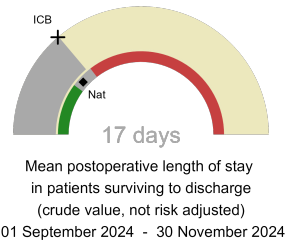
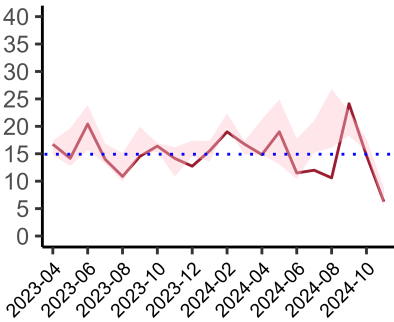
Perioperative Assessment by a member of the geriatrician-led multidisciplinary team for patient aged 65 or over and frail (CFS ≥ 5) or 80+

National mean 29%
ICB mean 28%
Number of patients included 7
Data completeness 78%



Median postoperative length of stay

National median 10 days
ICB median 12 days
Number of patients included 22
Data completeness 100%



Mean postoperative length of stay

National mean 14 days
ICB mean 16 days
Number of patients included 22
Data completeness 100%

Integrated Care Board

Birmingham Heartlands Hospital is part of the NHS Birmingham And Solihull Integrated Care Board ICB. This comprises Birmingham Heartlands Hospital, Good Hope Hospital, Queen Elizabeth Hospital Birmingham.