

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

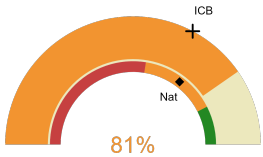


Queen Elizabeth Hospital Birmingham

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.

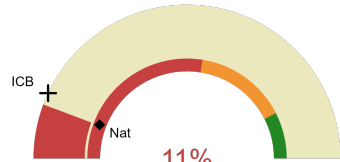
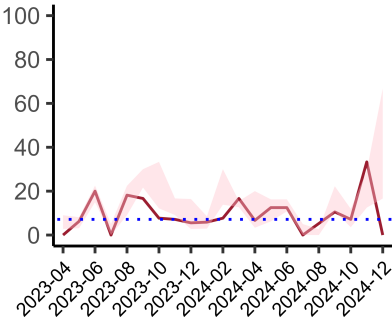
NELA process and outcome measures



Estimated case ascertainment
01 October 2024 - 31 December 2024

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

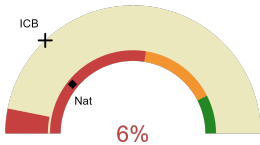
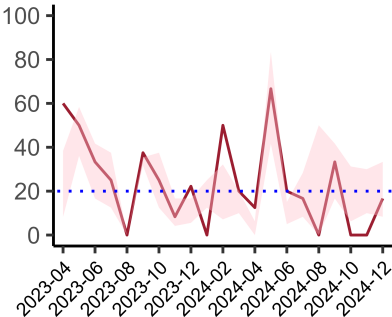
Expected number of cases 57
Total cases entered 46
Cases locked 40
Cases unlocked 6



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.

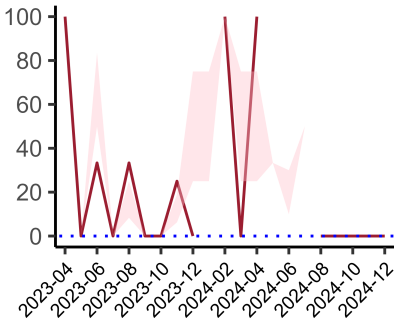
National mean 12%
ICB mean 14%
Number of patients included 35
Data completeness 100%



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

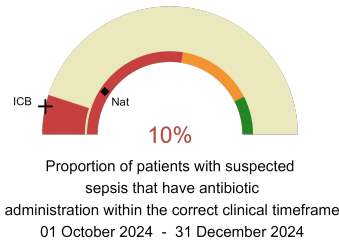
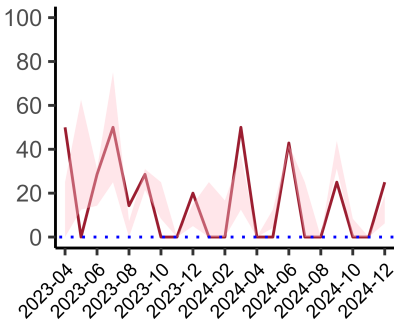
Combined Infection management standard - antibiotic administration within the correct clinical timeframe

National mean 22%
ICB mean 26%
Number of patients included 16
Data completeness 84%



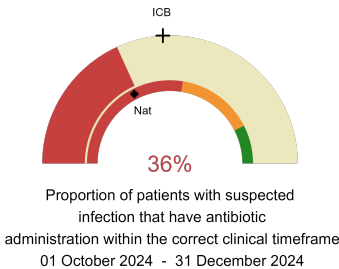
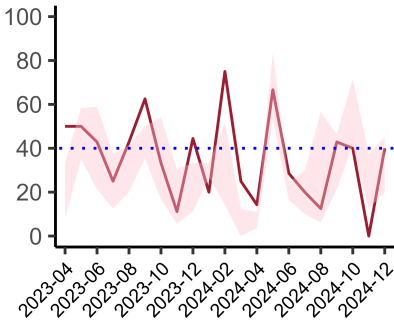
Septic Shock - antibiotic administration within the correct clinical timeframe

National mean 21%
ICB mean 0%
Number of patients included 5
Data completeness 62%



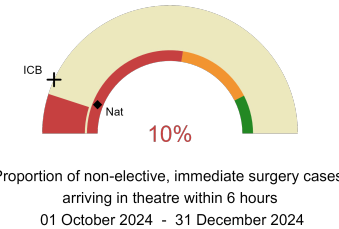
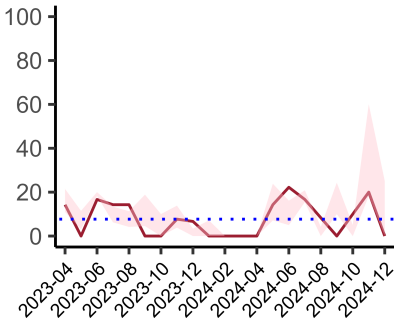
Sepsis - antibiotic administration within the correct clinical timeframe

National mean 19%
ICB mean 7%
Number of patients included 10
Data completeness 77%



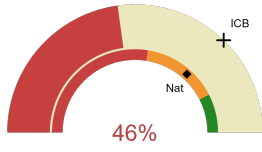
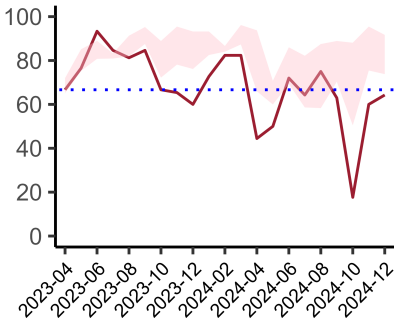
Infection - antibiotic administration within the correct clinical timeframe

National mean 35%
ICB mean 48%
Number of patients included 11
Data completeness 79%



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

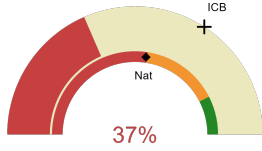
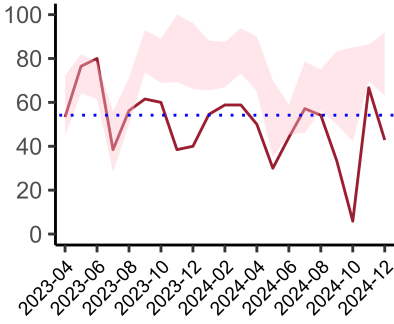
National mean 12%
ICB mean 14%
Number of patients included 20
Data completeness 100%



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

Risk documented before surgery

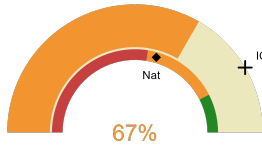
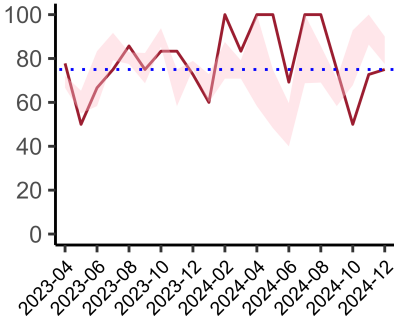
National mean 73%
ICB mean 74%
Number of patients included 46
Data completeness 100%



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

Risk documented after surgery

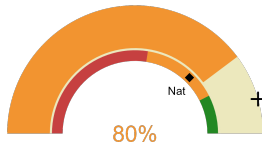
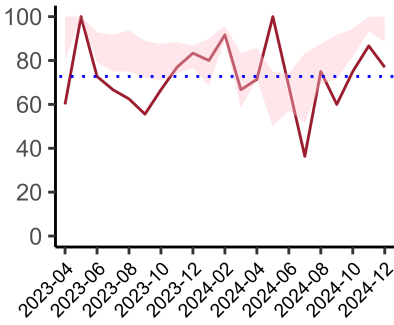
National mean 55%
ICB mean 68%
Number of patients included 46
Data completeness 100%



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%)**

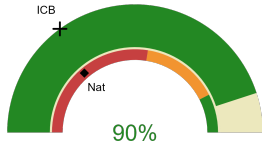
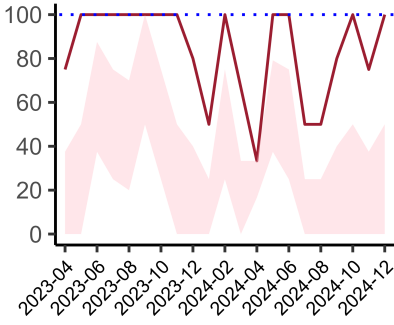
National mean 59%
ICB mean 83%
Number of patients included 27
Data completeness 96%



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%)**

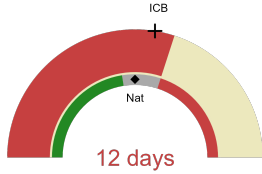
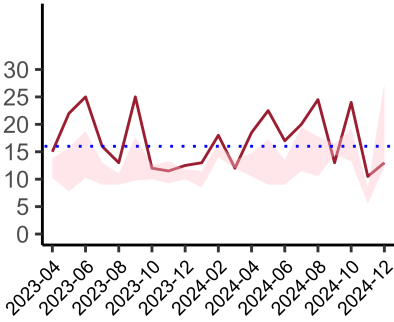
National mean 75%
ICB mean 91%
Number of patients included 44
Data completeness 100%



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+

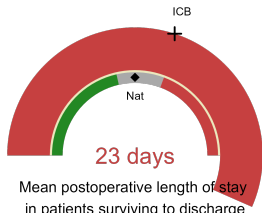
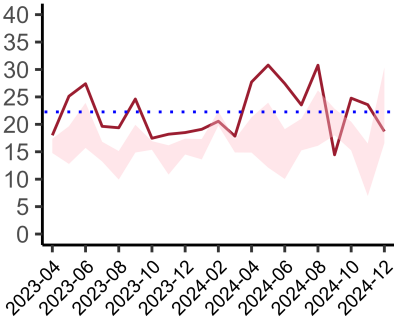
National mean 27%
ICB mean 30%
Number of patients included 10
Data completeness 91%



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 11 days
Number of patients included 35
Data completeness 92%



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 35
Data completeness 92%

Integrated Care Board

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