

## Explanatory Notes

All cases (locked and unlocked) admitted to hospital between 01 February 2026 and 30 April 2026 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'.

## Mortality

This section defines three key mortality measures for the monthly report. In all cases we include only patients whose surgery-to-discharge interval (Q4.1 - Q7.8) is  $\leq 30$  days, and we exclude any with missing discharge status (Q7.7) or missing dates (Q4.1/Q7.8).

### 1. 30-Day Observed (Crude) Mortality Rate

Let

- $d$  = number of patients who **died** within 30 days of surgery,
- $N$  = total number of patients with known discharge status (alive, died, or still in hospital at 60 days).

Then the crude 30-day mortality rate (as a percentage) is

$$\text{Crude 30-day Mortality Rate} = \frac{d}{N} \times 100.$$

### 2. Standardised Mortality Ratio (SMR)

Let

- $O = d$  = observed deaths within 30 days,
- $E = \sum_i \text{RiskScore}_i$  = sum of individual parsimonious NELA mortality risk scores for all  $N$  patients.

The SMR is

$$\text{SMR} = \frac{O}{E}.$$

### 3. Risk-Adjusted Mortality

Combines the SMR with the **National** 30-day mortality rate for the examined three month period:

$$\text{Risk-Adjusted Mortality} = \text{SMR} \times (\text{National 30-day mortality}) \times 100.$$

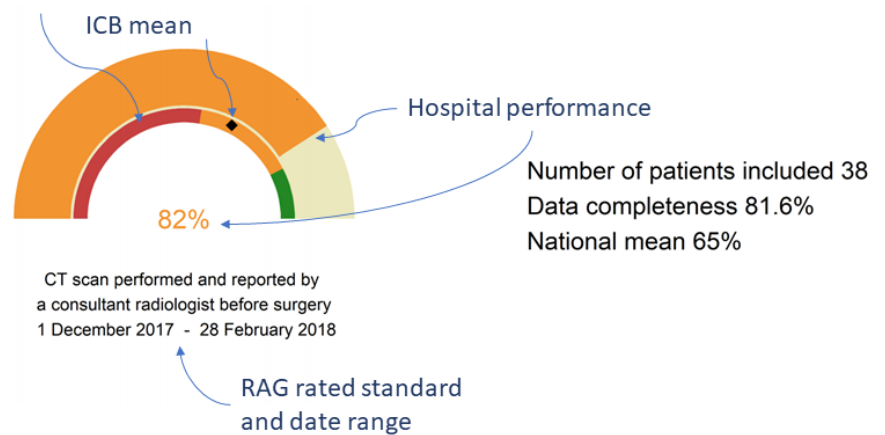
For better insight to how these standards have been structured, please refer to the **NELA standards document**.

## Quarterly mean performance



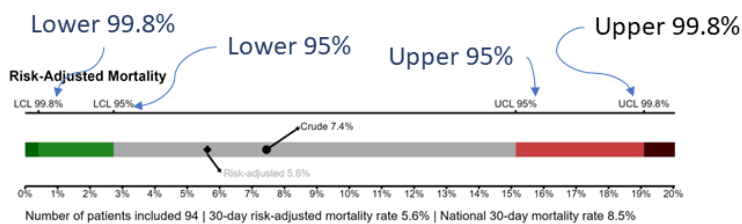
## Overall performance

### RAG rating boundaries



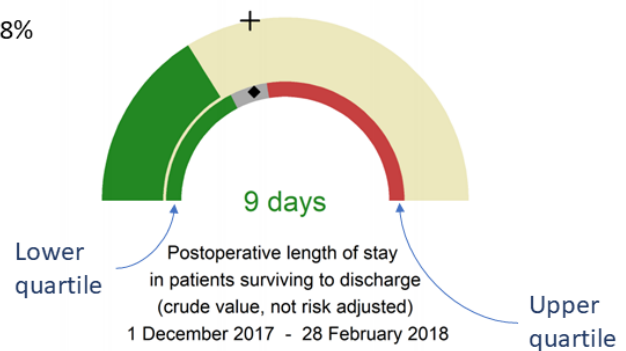
## Risk-adjusted mortality

Rating boundaries are lower and upper  
99.8% and 95% confidence limits



## Non-risk-adjusted measures

Rating boundaries are lower and upper  
national quartiles

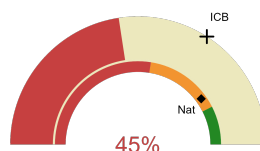


## The Royal London Hospital

### 2026-27 Reporting Period 1: 01 February 2026 - 30 April 2026

These plots represent patients having an emergency laparotomy during Year 2026-27 Reporting Period 1 of NELA data collection. This version will be made publicly available via the NELA website. Feedback from participating hospitals is welcome.

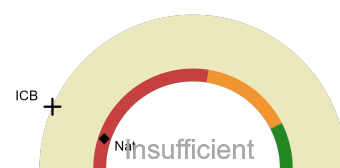
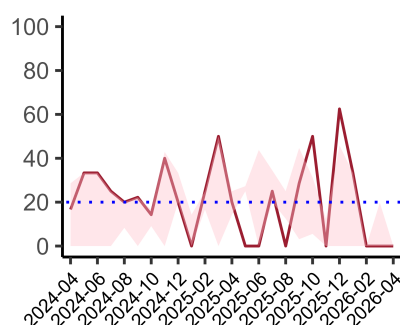
### NELA process and outcome measures



Estimated case ascertainment  
01 February 2026 - 30 April 2026

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

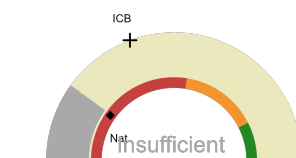
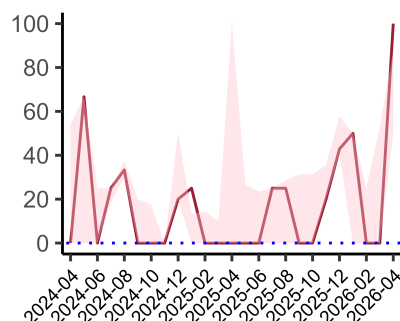
Expected number of cases 31  
Total cases entered 14  
Cases locked 14  
Cases unlocked 0



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 February 2026 - 30 April 2026

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

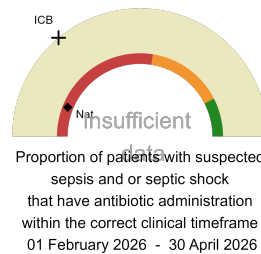
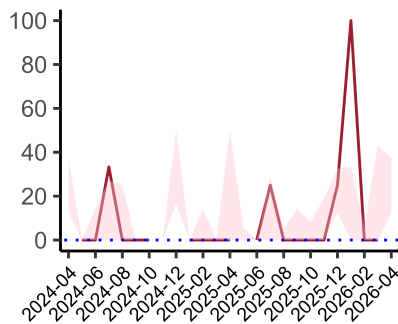
National mean 10%  
ICB mean 13%  
Number of patients included 9  
Data completeness 90%



Proportion of patients with suspected sepsis or infection that have antibiotic administration within the correct clinical timeframe  
01 February 2026 - 30 April 2026

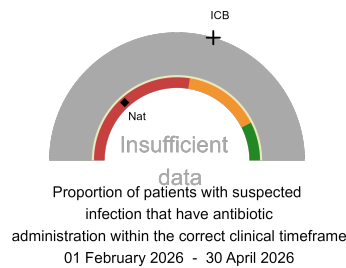
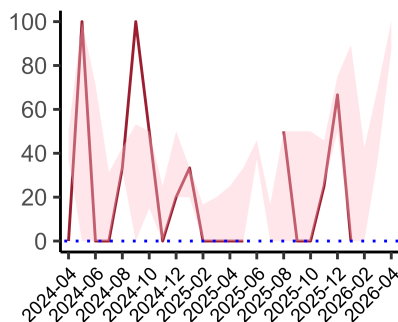
#### Combined Infection management standard - antibiotic administration within the correct clinical timeframe

National mean 20%  
ICB mean 39%  
Number of patients included 5  
Data completeness 100%



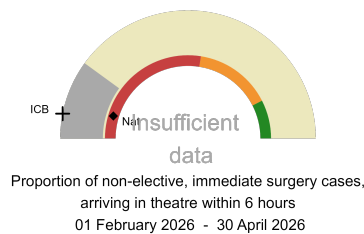
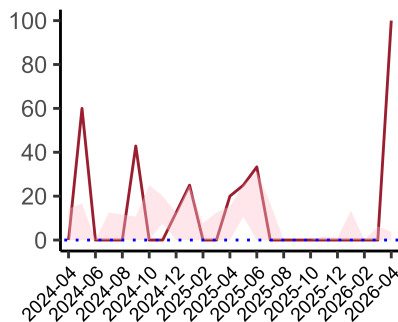
## Sepsis/septic shock - antibiotic administration within the correct clinical timeframe

National mean 12%  
ICB mean 28%  
Number of patients included 4  
Data completeness 100%



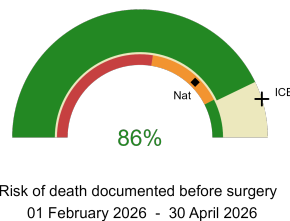
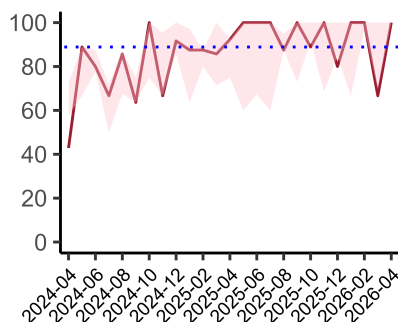
## Infection - antibiotic administration within the correct clinical timeframe

National mean 27%  
ICB mean 59%  
Number of patients included 1  
Data completeness 20%



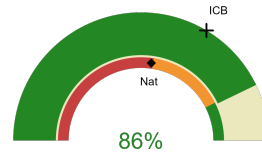
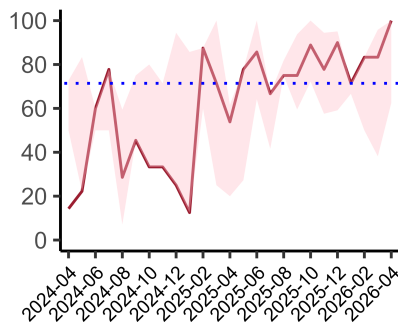
## Non-elective, immediate surgery cases, arriving in theatre within 6 hours.

National mean 9%  
ICB mean 6%  
Number of patients included 5  
Data completeness 100%



## Risk documented before surgery

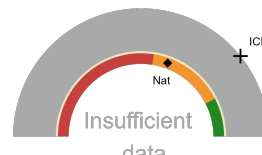
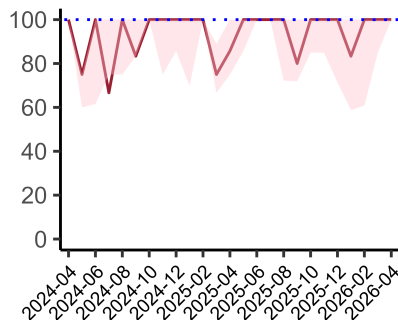
National mean 75%  
ICB mean 90%  
Number of patients included 14  
Data completeness 100%



Risk of death documented after surgery  
01 February 2026 - 30 April 2026

## Risk documented after surgery

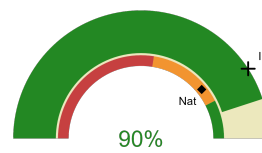
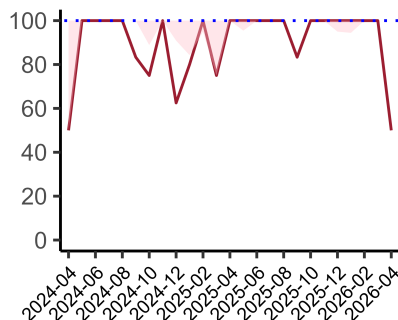
National mean 54%  
ICB mean 67%  
Number of patients included 14  
Data completeness 100%



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 February 2026 - 30 April 2026

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

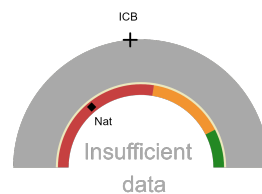
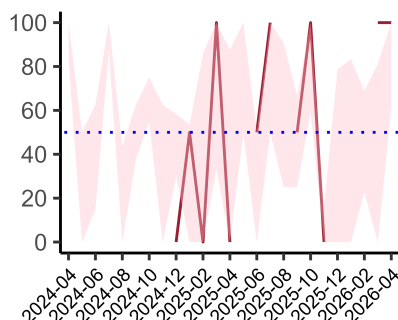
National mean 61%  
ICB mean 78%  
Number of patients included 8  
Data completeness 100%



Consultant surgeon and anaesthetist present in theatre when risk of death  $\geq 5\%$   
01 February 2026 - 30 April 2026

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

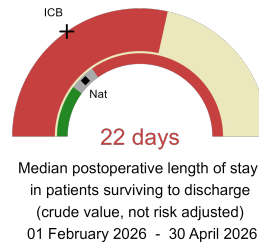
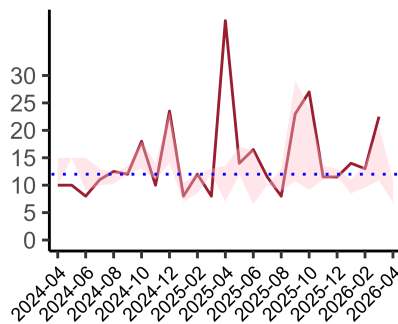
National mean 78%  
ICB mean 82%  
Number of patients included 10  
Data completeness 71%



Perioperative assessment by a care of the older person specialist  
01 February 2026 - 30 April 2026

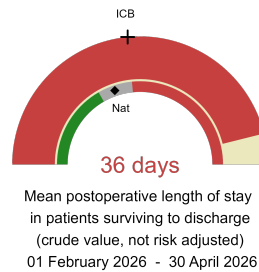
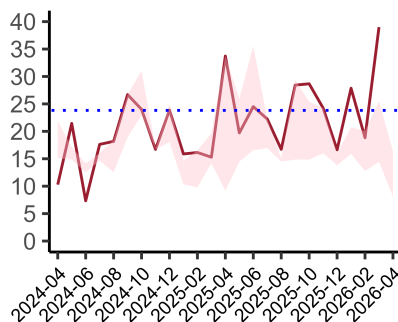
## Perioperative Assessment by a member of the geriatrician-led multidisciplinary team for patient aged 65 or over and frail (CFS $\geq 5$ ) or 80+

National mean 28%  
ICB mean 47%  
Number of patients included 2  
Data completeness 100%



## Median postoperative length of stay

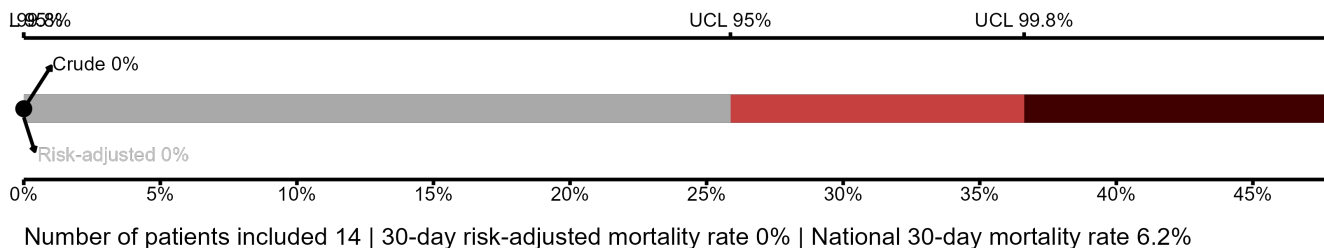
National median 10 days  
ICB median 12 days  
Number of patients included 14  
Data completeness 100%



## Mean postoperative length of stay

National mean 14 days  
ICB mean 17 days  
Number of patients included 14  
Data completeness 100%

## Risk-Adjusted Mortality



## Integrated Care Board

The Royal London Hospital is part of the NHS North East London Integrated Care Board ICB. This comprises Homerton Hospital, Queen's Hospital - Romford, King George Hospital, The Royal London Hospital, Whipps Cross University Hospital, Newham University Hospital.