

List of organisations excluded from the analyses due to data completeness

Patients with missing date of surgery were excluded, and multiple imputation was used to fill in any missing information on the risk factors (see Section 6). The following organisations were excluded from the analyses if overall data completeness was less than 20%, or ASA grade and/or TNM stage was missing in more than 80% of patients included in the analyses.

90-day mortality, 30-day emergency readmission, and unplanned return to theatre:

- Airedale NHS Foundation Trust (ASA)
- Homerton University Hospital NHS Foundation Trust (TNM)
- Medway NHS Foundation Trust (TNM)
- North Cumbria Integrated Care NHS Foundation Trust (TNM)
- North Middlesex University Hospital NHS Trust (TNM)
- The Dudley Group NHS Foundation Trust (TNM)
- University Hospitals Dorset NHS Foundation Trust (TNM)

2-year survival:

- Southport and Ormskirk Hospital NHS Trust (TNM)
- St. George's University Hospitals NHS Foundation Trust (ASA)

18-month unclosed diverting ileostomy:

- Southport and Ormskirk Hospital NHS Trust (TNM)

The adjusted outcomes were estimated using indirect standardisation. The observed number of events for a trust/hospital/MDT was divided by the number expected on the basis of the multivariable regression model. The adjusted rate was then estimated by multiplying this ratio by the average rate in all patients included in the analysis.

Data is not presented for organisations where data for less than 10 patients is available. The following organisations were excluded from analyses due to submission of data for unexpectedly low numbers of patients.

The following provider submitted data on less than 10 patients in 2021/22:

- Royal Devon University Healthcare NHS Foundation Trust - Royal Devon and Exeter Hospital

The following providers submitted more than 10 cases prior to linkage deadline, but had less than 10 linked surgical cases in the analysis extract for 2021/22:

- Barnsley Hospital NHS Foundation Trust
- Dartford and Gravesham NHS Trust
- Sherwood Forest Hospitals NHS Foundation Trust
- St. George's University Hospitals NHS Foundation Trust
- The Princess Alexandra Hospital NHS Trust

There are a further two organisations where linked HES/PEDW data is consistent with submission of data for under 10 surgical cases.