

## Ashford and St Peter's Hospitals NHS Foundation Trust

### Surrey and Sussex A14

The Ashford and St Peter's Hospitals NHS Foundation Trust incorporates St Peter's Hospital in Chertsey <http://www.ashfordstpeters.nhs.uk/> <<http://www.ashfordstpeters.nhs.uk/>>

## Patient inclusion and data sources

The majority of these results are for patients in England and Wales diagnosed with bowel cancer 1 Apr 2015 – 31 Mar 2016. The exceptions are for 2-year mortality and 18-month stoma rate. Two-year mortality estimates include patients undergoing a major resection between 1 April 2013 and 31 March 2014. 18-month stoma rates include rectal cancer patients undergoing a major resection between 1 April 2012 and 31 March 2015.

The Audit dataset is linked to Hospital Episode Statistics (HES) and Patient Episode Database for Wales (PEDW) at the patient level to obtain further information on patient care and follow-up such as stoma reversal and emergency readmissions in England/Wales, and to the National Radiotherapy Dataset (RTDS) for information on radiotherapy treatment in England.

## Data Quality

### Data completeness

% of relevant patient group with useable value of data item.

### Case ascertainment

Number of patients reported to the Audit as a percentage of the number of patients admitted for the first time to the trust/network with a diagnosis of bowel cancer within the audit period according to HES/PEDW. This can be larger than 100 if more patients are reported to the Audit than identified in HES/PEDW.

### 7 audit items for risk-adjustment

The per cent of patients with complete data items on all of age, sex, ASA grade, pathological T-stage, pathological N-stage, distant metastases and site of cancer.

## Management of all patients

### No major resection: too little cancer

Those undergoing a local resection of polypectomy.

### No major resection: too much cancer

No excision and reason for no treatment includes advanced stage cancer OR no excision and non-curative intent and metastatic disease.

### No major resection: too frail

not in too much cancer group AND no excision and reason for no treatment includes significant co-morbidity OR no excision and performance status 3 or 4.

## No major resection: unknown/other reason:

no excision and does not meet any of the above criteria.

## Compare trust outcomes

Funnel plots display trust risk-adjusted outcomes for 90-day mortality, 30-day unplanned readmission, 2-year mortality and, for rectal cancer patients, 18-month stoma rate. The funnel regions represent the 95 per cent limit and the 99.8 per cent limit for trusts compared to the national average. Those trusts with results outside the outer (99.8 per cent) limit are considered potential outliers.

Risk adjustment is performed using the seven items listed under Data Quality as well as mode of admission (elective/emergency) and number of co-morbidities according to HES/PEDW, and an interaction between age and distant metastases. Missing values are imputed using Multiple Imputation. The model for two-year mortality additionally includes interactions between follow-up time (0-3 months after surgery vs. 3-24 months after surgery) and all of the risk factors.

A stoma is considered to be reversed if a HES/PEDW record with relevant code is identified with 18 months of the initial surgical procedure.

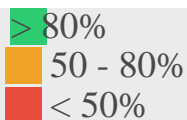
See [FAQs <https://www.nboca.org.uk/about/faq/>](https://www.nboca.org.uk/about/faq/) for more details.

## Data Quality

All Patients:	Trust	Network	National
Number of patients in Audit	86	1631	30710
Case ascertainment (%)	57	91	95
Data completeness of:			
– Pre-treatment TNM (%)	94	85	76
– Performance status (%)	100	88	83

Patients having major resection:	Trust	Network	National
Number of patients in Audit	71	1132	19231
ASA grade 1 (%)	17	10	12
ASA grade 2 (%)	48	61	53
ASA grade 3 (%)	32	20	27
ASA grade 4+ (%)	3	4	3
ASA grade not recorded (%)	N/A	5	6
Data completeness of:			
7 Audit items for risk-adjustment (%)	79	69	81

### Key:



## Management of all patients

All Patients:	Trust	Network	National
Number of patients in Audit	86	1631	30710
Seen by Clinical Nurse Specialist (%)	100	70	91

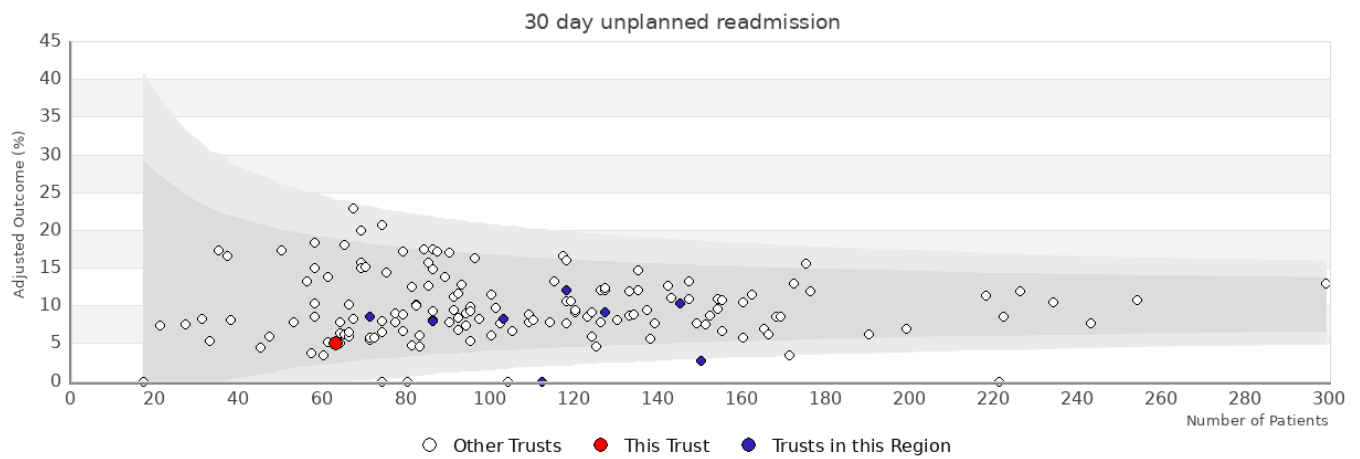
## Management of patients having major resection

Patients having major resection:	Trust	Network	National
Number of patients in Audit	71	1132	19231
Distant metastases (%)	15	5	9
Urgent or emergency surgery (%)	21	18	16
At least 12 lymph nodes excised (%)	85	89	84
Laparoscopic surgery attempted (%)	73	71	63
Risk-adjusted length of stay > 5 days (%)	74	69	69

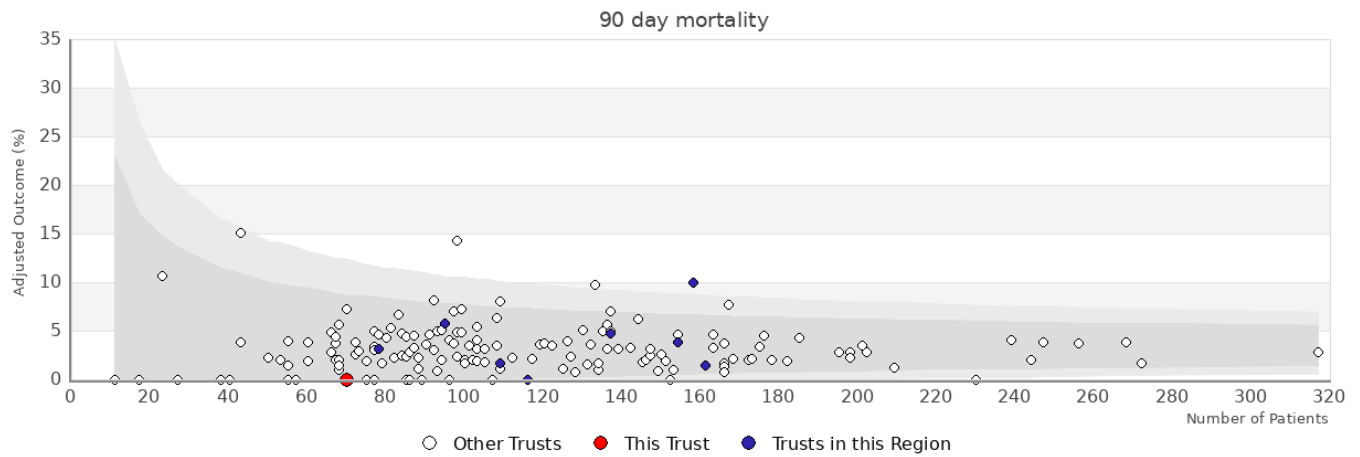
## Rectal cancer patients

Patients having major resection:	Trust	Network	National
Number of patients in Audit	N/A	235	4468
Neoadjuvant therapy (%)	N/A	20	35
Circumferential resection margin: Recorded (%)	N/A	54	26
Circumferential resection margin: Positive (%)	N/A	6	7
Rectal volume	N/A	N/A	N/A

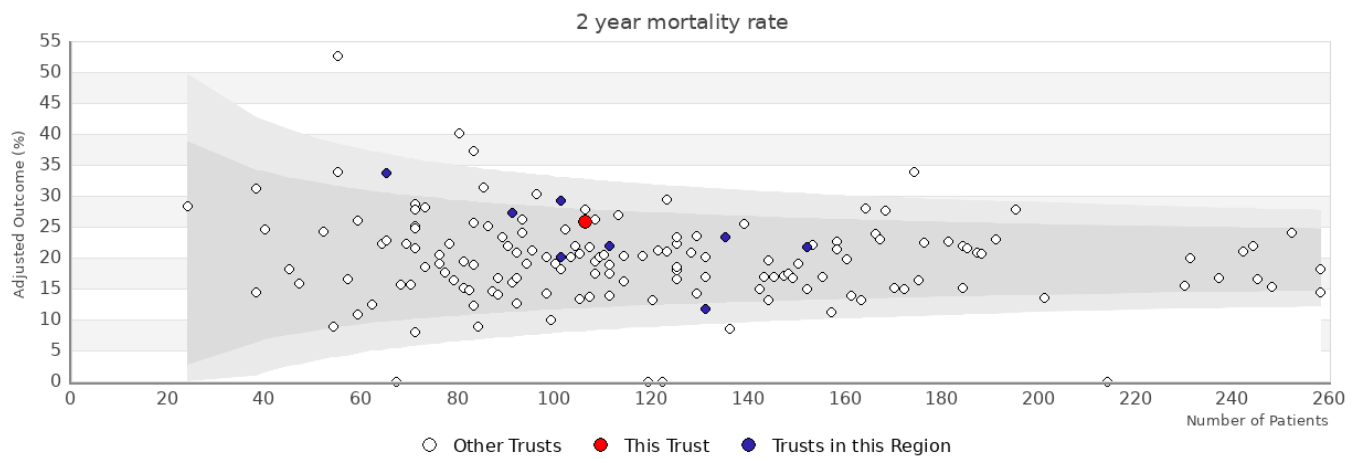
Patients in APER/Hartmanns estimate:	Trust	Network	National
Number of patients in APER/Hartmanns estimate	N/A	N/A	N/A
APER/Hartmanns (%)	N/A	N/A	N/A



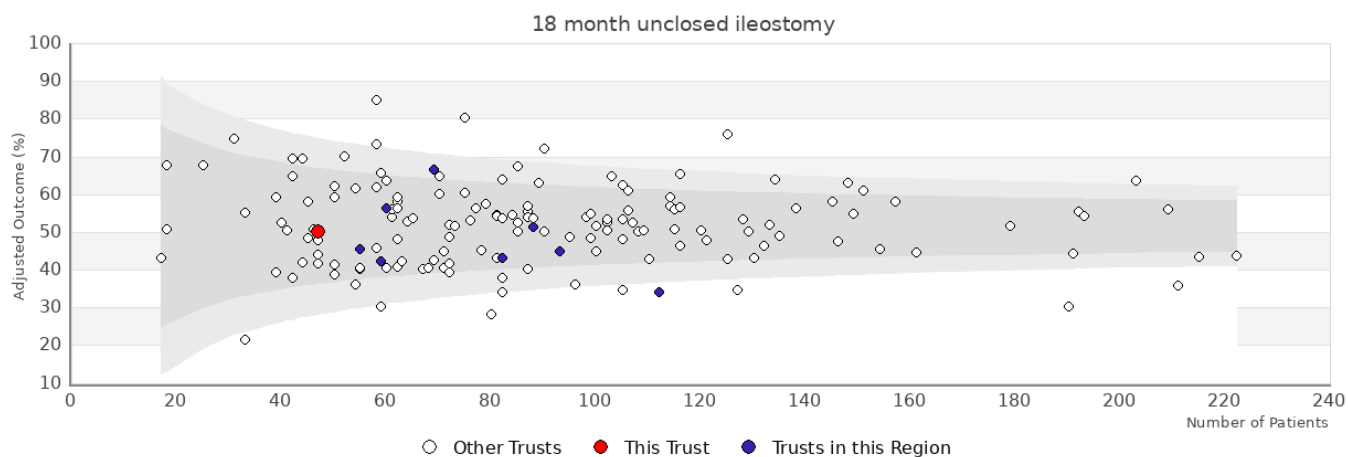
Trust	Number	Adjusted	Observed
Ashford and St Peter's Hospitals NHS Foundation Trust	63	5.1%	4.8%
Other trusts within the region: Surrey and Sussex			
Brighton and Sussex University Hospitals NHS Trust	118	12%	11.9%
East Sussex Healthcare NHS Trust	150	2.7%	2.7%
Frimley Health NHS Foundation Trust - Heatherwood and Wexham Park Hospitals	86	7.9%	8.1%
Royal Surrey County Hospital NHS Foundation Trust	71	8.5%	8.5%
Surrey and Sussex Healthcare NHS Trust	145	10.3%	9.7%
Western Sussex Hospitals NHS Foundation Trust - St. Richard's Hospital	127	9.1%	8.7%
Western Sussex Hospitals NHS Foundation Trust - Worthing Hospital	103	8.3%	7.8%



Trust	Number	Adjusted	Observed
Ashford and St Peter's Hospitals NHS Foundation Trust	70	-	-
Other trusts within the region: Surrey and Sussex			
Brighton and Sussex University Hospitals NHS Trust	158	9.9%	7%
East Sussex Healthcare NHS Trust	161	1.4%	1.2%
Frimley Health NHS Foundation Trust - Heatherwood and Wexham Park Hospitals	95	5.8%	4.2%
Royal Surrey County Hospital NHS Foundation Trust	78	3.1%	2.6%
Surrey and Sussex Healthcare NHS Trust	154	3.8%	4.6%
Western Sussex Hospitals NHS Foundation Trust - St. Richard's Hospital	137	4.8%	5.8%
Western Sussex Hospitals NHS Foundation Trust - Worthing Hospital	109	1.7%	1.8%



Trust	Number	Adjusted	Observed
Ashford and St Peter's Hospitals NHS Foundation Trust	106	25.9%	22.9%
Other trusts within the region: Surrey and Sussex			
Brighton and Sussex University Hospitals NHS Trust	65	33.7%	22.6%
East Sussex Healthcare NHS Trust	152	21.8%	18.8%
Frimley Health NHS Foundation Trust - Frimley Park Hospital	131	11.7%	13.1%
Frimley Health NHS Foundation Trust - Heatherwood and Wexham Park Hospitals	135	23.3%	24.6%
Royal Surrey County Hospital NHS Foundation Trust	91	27.4%	23.5%
Surrey and Sussex Healthcare NHS Trust	101	29.2%	19.2%
Western Sussex Hospitals NHS Foundation Trust - St. Richard's Hospital	111	21.9%	24.3%
Western Sussex Hospitals NHS Foundation Trust - Worthing Hospital	101	20.2%	21.1%



Trust	Number	Adjusted	Observed
Ashford and St Peter's Hospitals NHS Foundation Trust	47	50.3%	48.9%
Other trusts within the region: Surrey and Sussex			
Brighton and Sussex University Hospitals NHS Trust	69	66.7%	66.7%
East Sussex Healthcare NHS Trust	82	43.1%	41.5%
Frimley Health NHS Foundation Trust - Frimley Park Hospital	112	34.2%	33.9%
Frimley Health NHS Foundation Trust - Heatherwood and Wexham Park Hospitals	88	51.5%	51.1%
Royal Surrey County Hospital NHS Foundation Trust	55	45.5%	43.6%
Surrey and Sussex Healthcare NHS Trust	59	42.4%	40.7%
Western Sussex Hospitals NHS Foundation Trust - St. Richard's Hospital	93	44.9%	45.2%
Western Sussex Hospitals NHS Foundation Trust - Worthing Hospital	60	56.3%	56.7%