



Quality Account 2016/2017

Q3 Specialty Quality Indicators



UHB Quality Account Update 2016–2017

Specialty Quality Indicators

| Speciality | Indicator | Goal | Percentage Apr14 - Mar15 | Percentage Apr15 - Mar16 | Numerator Apr16 - Dec 16 | Denominator Apr16 - Dec 16 | Percentage Apr16 - Dec 16 | Data Source | Benchmarking |
|-----------------|---|-------------------|--------------------------|--------------------------|--------------------------|----------------------------|---------------------------|----------------|--------------|
| Ambulatory Care | Patients who were intended to be treated as a day case but were admitted to hospital as an inpatient | <5% | 4.1% | 4.0% | 734 | 15958 | 4.6% | Lorenzo Galaxy | |
| Anaesthetics | Post operative nausea and vomiting: All high risk patients (Ear, Nose and Throat, General Surgery and Laparoscopic Surgery) should be prescribed with antiemetics (anti-sickness medication) so they can be given promptly after the operation if they need them | No goal currently | 90.4% | 88.9% | 1935 | 2153 | 89.9% | Lorenzo PICS | |
| Anaesthetics | Post operative nausea and vomiting: Percentage of high risk patients who did not require anti-sickness medication after their operation | No goal currently | 70.7% | 70.7% | 1448 | 2153 | 67.3% | Lorenzo PICS | |

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|------------------|--|-------------------|--------------------------|--------------------------|--------------------------|----------------------------|---------------------------|--------------|---|
| Cardiac Surgery | First-time, isolated coronary artery bypass graft (CABG) - MRSA bacteraemia | 0% | 0.0% | 0.0% | 0 | 224 | 0.0% | PATS Lorenzo | |
| Cardiac Surgery | First-time isolated coronary artery bypass graft (CABG) - <i>C.difficile</i> infection | No goal currently | 0.4% | 0.0% | 0 | 224 | 0.0% | PATS Lorenzo | |
| Cardiac Surgery* | First-time isolated coronary artery bypass graft (CABG) - Emergency readmissions within 28 days | <5% | 6.6% | 8.1% | 13 | 198 | 6.6% | PATS Lorenzo | |
| Cardiac Surgery | First-time isolated coronary artery bypass graft (CABG) - Patients discharged on antiplatelet therapy | 100% | 100.0% | 100.0% | 223 | 233 | 100% | PATS PICS | 2011 Cleveland Clinic: 100% Use of a peri-operative beta blocker |
| Cardiac Surgery | First-time isolated coronary artery bypass graft (CABG) - Patients discharged on statins | 100% | 99.2% | 99.6% | 201 | 201 | 100% | PATS PICS | 2011 Cleveland Clinic: 100% |
| Cardiac Surgery | First-time isolated coronary artery bypass graft (CABG) - Patients on betablockers who were given them on the day of surgery | 100% | 94.7% | 97.5% | 121 | 125 | 96.8% | PATS PICS | |

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| Cardiac Surgery | First-time isolated coronary artery bypass graft (CABG) - Post-operative stroke | <2% | 0.0% | 1.2% | 1 | 224 | 0.4% | PATS | |
| Cardiac Surgery | First-time isolated coronary artery bypass graft (CABG) - Reopening (all causes) | <=5% | 7.6% | 3.6% | 7 | 224 | 3.1% | PATS | |
| Cardiac Surgery | First-time isolated coronary artery bypass graft (CABG) - Average post-operative length of stay | 11 days | 10 days | 9 days | --- | 224 | 8.1 days | PATS | |
| Cardiac Surgery | First-time isolated coronary artery bypass graft (CABG) - Median post-operative length of stay | 8 days | 7 days | 7 days | --- | 224 | 6 days | PATS | |
| Cardiac Surgery | First-time isolated coronary artery bypass graft (CABG) - Hospital survival (risk adjusted mortality available on SCTS website: www.scts.org) | n/a See risk adjusted data | 97.8% | 98.8% | 223 | 224 | 99.6% | PATS | Risk-adjusted mortality data for the UK is available on the Society for Cardiothoracic Surgery in Great Britain & Ireland website: www.scts.org (Data is contained in the Blue Book Online) |

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| Cardiology | Percentage of patients discharged on dual antiplatelet therapy following percutaneous coronary intervention (PCI) | 100% | 100% | 100% | 413 | 413 | 100% | Lorenzo PICS | |
| Cardiology | Percentage of patients following myocardial infarction discharged on theinopyridine (clopidogrel) or prasugrel | >90% | 99.5% | 98.7% | 157 | 159 | 96.7% | CHD database PICS | |
| Cardiology | Percentage of patients following myocardial infarction discharged on statins | >98% | 98.5% | 99.1% | 156 | 157 | 99.4% | CHD database PICS | |
| Cardiology | Percentage of patients following myocardial infarction discharged on beta blockers | >80% | 98.0% | 97.3% | 146 | 157 | 93.0% | CHD database PICS | |
| Cardiology | Percentage of patients following myocardial infarction discharged on aspirin | >98% | 99.5% | 99.1% | 157 | 158 | 99.4% | CHD database PICS | |
| Cardiology | Percentage of patients following myocardial infarction discharged on ACE inhibitors | >95% | 94.8% | 99.1% | 142 | 151 | 94.0% | CHD database PICS | |
| Colorectal Surgery | Clexane medication after elective colorectal surgery (excluding day cases) | >95% | 94.2% | 90.2% | 145 | 173 | 83.8% | Lorenzo PICS | |

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| Critical Care | Unplanned readmissions to Critical Care within 48 hours of discharge from Critical Care (live discharges only) | <4% | 2.0% | 1.3% | 41 | 3245 | 1.3% | PICS | |
| Dementia | Administration of anti-psychotic medication for patients with a diagnosis of dementia | <8% | 9.0% | 12.0% | 281 | 2208 | 12.7% | PICS | |
| Dementia | Percentage of patients with Dementia who died and had at least 3 out of the following 4 medications prescribed to be taken as required during their stay in hospital: analgesics, sedation to reduce agitation, anti-emetics (anti-sickness medication) and anti-secretory medication | >90% | 63.4% | 69.6% | 120 | 179 | 67.0% | Lorenzo PICS | |
| Dermatology* | Suspected cancer cases seen within 2 weeks by a Consultant | >93% | 83.2% | 98.9% | 1789 | 1873 | 95.5% | Lorenzo Somerset | |

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| Diabetes | Percentage of patients under Diabetic Centre follow up (attending follow-up outpatient appointments) who have a major lower limb amputation (e.g., leg) | 0% | 0.1% | 0.2% | 6 | 6014 | 0.1% | Lorenzo | |
| Diabetes | Percentage of patients under Diabetic Centre follow up (attending follow-up outpatient appointments) who have a minor lower limb amputation (e.g. foot, toe) | 0% | 0.5% | 0.8% | 12 | 6014 | 0.2% | Lorenzo | |
| Ear, Nose & Throat (ENT) Surgery | All patients undergoing cochlear implantation should have a post operative skull x-ray or CT Scan | 100% | 100% | 100% | 74 | 76 | 97.4% | Lorenzo PICS | |
| Endocrinology | Patients discharged on hydrocortisone medication after pituitary surgery | 100% | 100% | 100% | 51 | 51 | 100% | Lorenzo PICS | |
| Gastroenterology | Patients with inflammatory bowel disease admitted under the care of Gastroenterology Consultants who receive low molecular weight (LMW) heparin medication | >90% | 100% | 95.0% | 42 | 43 | 97.7% | Lorenzo PICS | |

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| Heart Failure | Patients with a primary diagnosis of acute heart failure discharged on angiotensin converting enzyme (ACE) inhibitors or angiotensin receptor blockers (ARBs) | >93% | 49.5% | 46.6% | 202 | 464 | 43.5% | Lorenzo PICS PRISM | |
| Heart Failure* | Patients with a primary diagnosis of acute heart failure who had an echocardiogram (ECHO) within 3 months prior to or 1 month post discharge | 100% | 67.4% | 61.8% | 274 | 431 | 64.0% | Lorenzo PICS PRISM | |
| Imaging | Emergency Department patients who have report turnaround time of less than or equal to 4 days for CT scan | >99% | 99.4% | 99.8% | 6834 | 6836 | 100% | CRIS | |
| Imaging | GP direct access patients who have report turnaround time of less than or equal to 7 days for plain imaging | >99% | 85.4% | 84.4% | 13901 | 24450 | 56.9% | CRIS | |
| Imaging | GP direct access patients who have report turnaround time of less than or equal to 7 days for Ultrasound | >99% | 94.4% | 94.8% | 6347 | 6370 | 99.6% | CRIS | |

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| Imaging | Inpatients who have report turnaround time of less than or equal to 4 days for CT | >99% | 99.0% | 99.5% | 10890 | 10929 | 99.6% | CRIS | |
| Imaging | Proportion of Inpatients who have report turnaround time of less than or equal to 4 days for MRI | >85% | 97.0% | 97.7% | 3370 | 3425 | 98.4% | CRIS | |
| Imaging | Inpatients who have report turnaround time of less than or equal to 4 days for Ultrasound | >99% | 99.6% | 99.3% | 9792 | 9840 | 99.5% | CRIS | |
| Imaging | Outpatients who have report turnaround time of less than or equal to 14 days for CT | >85% | 84.7% | 86.3% | 14454 | 16889 | 85.6% | CRIS | |
| Imaging | Outpatients who have report turnaround time of less than or equal to 14 days for MRI | >75% | 79.0% | 85.9% | 14976 | 18354 | 81.6% | CRIS | |
| Imaging | Outpatients who have report turnaround time of less than or equal to 7 days for Ultrasound | >99% | 97.4% | 97.4% | 16585 | 16836 | 98.8% | CRIS | |

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| Liver Medicine* | Patients who have endoscopic retrograde cholangio-pancreatography (ERCP) who develop pancreatitis. ERCP involves a doctor examining the common bile duct and pancreatic duct through a flexible tube which is passed down the mouth, stomach and into the small intestine (bowel) | <5% | 2.3% | 1.2% | 5 | 265 | 1.9% | Unisoft Lorenzo PICS | |
| Liver Medicine/ Surgery | 90 day patient mortality (%) with 95% confidence intervals for adult elective patients who received a first liver transplant (where available) | <10% | 2.0% | Not available yet | | | | RCS Annual Audit / UHB Liver database | National 13/14: 4.0% (3.4%, 5.5%) |
| Liver Medicine/ Surgery | 90 day graft loss (%) with 95% confidence intervals for adult elective patients who received a first liver transplant (where available) | <20% | 4.0% | Not available yet | | | | RCS Annual Audit / UHB Liver database | National 13/14: 7.6% (5.5%, 9.7%) |

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| Liver Transplant | The percentage use of the anti-viral medication Valganciclovir in recipients of CMV (Cytomegalovirus) positive liver grafts | 100% | 100% | 97.8% | 20 | 20 | 100% | Liver database PICS | |
| Maxillofacial Surgery | Percentage of emergency admissions with fractured mandible (lower jaw) who are operated on the same or next day | >90% | 79.3% | 76.1% | 88 | 122 | 72.1% | Lorenzo | |
| Neurosurgery | Percentage of emergency sub-arachnoid haemorrhage patients who had coiling or surgery within 2 days, including cases where intervention was deferred for medical reasons | >90% | 88.7% | 95.3% | 71 | 76 | 93.4% | Lorenzo | |
| Pathology | Turnaround time: C-Reactive Protein within 24 hours | 100% | 99.6% | 99.4% | 191177 | 192169 | 99.5% | Telepath | |
| Pathology | Turnaround time: Cholesterol within 24 hours | 100% | 99.2% | 99.0% | 33190 | 33456 | 99.2% | Telepath | |
| Pathology | Turnaround times: Urine negative results only - Time received to time of authorisation <24 hours (received Mon 00:00–Fri 23:59) | >90% | 45.4% | 72.5% | 18202 | 20317 | 89.6% | Telepath | |

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| Pathology | Turnaround time: Full Blood Count within 24 hours | 100% | 99.1% | 99.2% | 308448 | 310784 | 99.2% | Telepath | |
| Pharmacy | Pharmacy error rate per 100,000 items/lines dispensed | <15 | 6 | 6 | 15 | 264209 | 5.7 | Pharmacy database, Datix | |
| Renal Medicine | Percentage of patients on haemodialysis programme with a urea reduction ratio (URR) of >65%: all patients on haemodialysis | >90% | 93.8% | 94.6% | 7835 | 8294 | 94.5% | MARS | |
| Renal Medicine | Percentage of patients on haemodialysis programme with a urea reduction ratio (URR) of >65%: patients who have been on haemodialysis for 90 days or more | >90% | 94.6% | 94.9% | 7727 | 8169 | 94.6% | MARS | |
| Respiratory | Asthmatic patients discharged on inhaled steroids | >95% | 94.3% | 96.2% | 242 | 254 | 94.6% | PICS | |
| Rheumatology | Rheumatology outpatients that saw the same clinician at least 3 times out of their 6 most recent visits - NURSES ONLY | >85% | 82.2% | 81.7% | 514 | 620 | 82.9% | Optims | |

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| Rheumatology | Rheumatology outpatients that saw the same clinician at least 3 times out of their 6 most recent visits - DOCTORS ONLY | >95% | 90.0% | 91.3% | 1083 | 1176 | 92.1% | Optims | |
| Routine Surgery / Care * | Unplanned return to theatre for all non-emergency surgical patients | <2.5% | 1.2% | 0.8% | 54 | 17991 | 0.3% | Galaxy | |
| Sexual Health | Genito-Urinary Medicine (GUM) access - New patients offered an appointment within 48 hours | >98% | 100% | 100% | 50716 | 52168 | 97.2% | Sexual Health database | |
| Stroke Medicine | In hospital mortality following stroke | <15% | 8.5% | 5.0% | 9 | 377 | 2.4% | SSNAP | |
| Surgery - Emergency | Perianal abscess operations should take place on the day of admission or the next day | >90% | 94.4% | 83.3% | 58 | 75 | 77.3% | Lorenzo | |
| Therapy Services | Physiotherapy inpatient needs are responded to on the same day as they are identified to the service | >95% | 91.6% | 99.1% | 15636 | 15911 | 98.3% | Therapy database | |
| Therapy Services | Major Trauma Centre: TARN eligible patients have a rehab prescription before discharge - pre-validated data | >98% | 99.6% | 99.6% | 473 | 476 | 99.4% | Therapy database | |

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| Therapy Services | Occupational therapy: In-patient needs are responded to within two working days of being identified to the service | >95% | 99.2% | 99.2% | 6254 | 6323 | 98.9% | Therapy database | |
| Trauma & Orthopaedics | Percentage of patients who had surgery within 48 hours of admission for fractured neck of femur (fractured hip) | >90% | 86.9% | 88.3% | 181 | 206 | 87.9% | Lorenzo Galaxy | |
| Trauma & Orthopaedics | Percentage of patients who had surgery within 36 hours of admission for fractured neck of femur (fractured hip) | >80% | 81.3% | 83.2% | 166 | 206 | 80.6% | Lorenzo Galaxy | |
| Upper Gastrointestinal Medicine | Emergency patients admitted with gall stone diseases who had an ultrasound within 24 hours of admission | >90% | 83.7% | 83.0% | 109 | 136 | 80.1% | Lorenzo PICS | |
| Upper Gastrointestinal Medicine | Emergency patients admitted with gall stone diseases who had bilirubin tested | 100% | 99.4% | 98.8% | 208 | 210 | 99.0% | Lorenzo PICS | |
| Vascular Surgery | Percentage of varicose vein procedures which are done as day cases | >95% | 97.6% | 98.5% | 501 | 512 | 97.9% | Lorenzo | |

*data April 2016 to November 2016 - indicator 1 month in arrears

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|--------------|--|
| Key | |
| CHD database | Coronary Heart Disease database |
| CRIS | Radiology database |
| Datix | Incident database |
| Galaxy | Theatres database |
| Lorenzo | Patient administration system |
| MARS | Renal database |
| Optims | Outpatient Tracking Information Management System |
| PATS | Cardiac database |
| PICS | Prescribing and Information Communication System |
| PRISM | Cardiology and Respiratory Patient Tracking System |
| Somerset | Cancer database |
| SSNAP | Sentinel Stroke National Audit Programme |
| TARN | Trauma Audit & Research Network |
| Telepath | Laboratory database |
| Unisoft | Gastroenterology database |