



University Hospitals
Birmingham
NHS Foundation Trust

Specialty Quality Indicators

Q1 2017-2018

UHB Quality Account Update 2017-2018

Specialty Quality Indicators

Speciality	Indicator	Goal	Percentage Apr15 - Mar16	Percentage Apr16 - Mar17	Numerator Apr17 - Jun17	Denominator Apr17 - Jun17	Percentage Apr17 - Jun17	Data Source	Benchmarking
Ambulatory Care	Patients who were intended to be treated as a daycase but were admitted to hospital as an inpatient	<5%	4.0%	4.4%	213	5347	4.0%	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	88.9%	89.7%	666	741	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%	67.4%	517	741	69.8%	Lorenzo PICS	

Speciality	Indicator	Goal	Percentage Apr15 - Mar16	Percentage Apr16 - Mar17	Numerator Apr17 - Jun17	Denominator Apr17 - Jun17	Percentage Apr17 - Jun17	Data Source	Benchmarking
Cardiac Surgery	First-time, isolated coronary artery bypass graft (CABG) - MRSA bacteraemia	0%	0.0%	0.0%	0	85	0.0%	PATS Lorenzo	
Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - C.difficile infection	No goal currently	0.0%	0.3%	0	85	0.0%	PATS Lorenzo	
Cardiac Surgery*	First-time isolated coronary artery bypass graft (CABG) - Emergency readmissions within 28 days*	<5%	8.1%	5.4%	4	56	7.1%	PATS Lorenzo	
Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - Patients discharged on antiplatelet therapy	100%	100.0%	100.0%	82	82	100.0%	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%	99.6%	100.0%	72	72	100.0%	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%	97.5%	97.4%	40	43	93.0%	PATS PICS	

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Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - Post-operative stroke	<2%	1.2%	0.3%	1	85	1.2%	PATS	
Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - Reopening (all causes)	<=5%	3.6%	5.5%	6	85	7.1%	PATS	
Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - Average post-operative length of stay	11 days	9 days	8.4 days	---	9	8.4 days	PATS	
Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - Median post-operative length of stay	8 days	7 days	6 days	---	7	6 days	PATS	

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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	98.8%	99.7%	82	85	96.5%	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)
Cardiology	Percentage of patients discharged on dual antiplatelet therapy following percutaneous coronary intervention (PCI)	100%	100.0%	100.0%	139	139	100.0%	Lorenzo PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on theinopyridine (clopidogrel) or prasugrel	>90%	98.7%	99.5%	58	60	96.7%	CHD database PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on statins	>98%	99.1%	100.0%	60	60	100.0%	CHD database PICS	

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Cardiology	Percentage of patients following myocardial infarction discharged on beta blockers	>80%	97.3%	100.0%	56	60	93.3%	CHD database PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on aspirin	>98%	99.1%	100.0%	60	60	100.0%	CHD database PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on ACE inhibitors	>90%	99.1%	98.9%	56	58	96.6%	CHD database PICS	
Colorectal Surgery	Clexane medication after elective colorectal surgery (excluding day cases)	>95%	90.2%	84.8%	45	49	91.8%	Lorenzo, PICS	
Critical Care	Unplanned readmissions to Critical Care within 48 hours of discharge from Critical Care (live discharges only)	<4%	1.3%	1.0%	17	1095	1.6%	PICS	
Dementia	Administration of anti-psychotic medication for patients with a diagnosis of dementia	<8%	12.0%	12.8%	98	781	12.5%	Lorenzo PICS	

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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%	69.6%	66.5%	66	82	80.5%	Lorenzo PICS	
Dermatology*	Suspected cancer cases seen within 2 weeks by a Consultant*	>93%	98.9%	96.4%	447	461	97.0%	Lorenzo, Somerset	
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%	0.2%	0.2%	1	1593	0.1%	Lorenzo	

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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%	0.8%	0.4%	8	1593	0.5%	Lorenzo	
Ear, Nose & Throat (ENT) Surgery	All patients undergoing cochlear implantation should have a post operative skull x-ray or CT Scan	100%	100.0%	96.0%	2	4	50.0%	Lorenzo PICS	
Endo- crinology	Patients discharged on hydrocortisone medication after pituitary surgery	100%	100.0%	100.0%	14	14	100.0%	Lorenzo PICS	
Gastro- enterology	Patients with inflammatory bowel disease admitted under the care of Gastroenterology Consultants who receive low molecular weight (LMW) heparin medication	>90%	95.0%	94.4%	10	10	100.0%	Lorenzo PICS	
Heart Failure	Patients with a primary diagnosis of acute heart failure discharged on angiotensin converting enzyme (ACE) inhibitors or angiotensin receptor blockers (ARBs)	>93%	46.6%	43.2%	64	159	40.3%	Lorenzo PICS PRISM	

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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%	61.8%	62.1%	61	105	58.1%	Lorenzo PICS PRISM	
Imaging	Emergency Department patients who have report turnaround time of less than or equal to 4 days for CT scan	>99%	99.8%	100.0%	2231	2233	99.9%	CRIS	
Imaging	GP direct access patients who have report turnaround time of less than or equal to 7 days for plain imaging	>99%	84.4%	59.7%	5735	7341	78.1%	CRIS	
Imaging	GP direct access patients who have report turnaround time of less than or equal to 7 days for Ultrasound	>99%	94.8%	99.5%	2351	2366	99.4%	CRIS	
Imaging	Inpatients who have report turnaround time of less than or equal to 4 days for CT	>99%	99.5%	99.6%	3885	3896	99.7%	CRIS	

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Imaging	Proportion of Inpatients who have report turnaround time of less than or equal to 4 days for MRI	>85%	97.7%	98.2%	1193	1214	98.3%	CRIS	
Imaging	Inpatients who have report turnaround time of less than or equal to 4 days for Ultrasound	>99%	99.3%	99.5%	3474	3496	99.4%	CRIS	
Imaging	Outpatients who have report turnaround time of less than or equal to 14 days for CT	>85%	86.3%	86.1%	5407	6328	85.4%	CRIS	
Imaging	Outpatients who have report turnaround time of less than or equal to 14 days for MRI	>75%	85.9%	82.4%	5648	6545	86.3%	CRIS	
Imaging	Outpatients who have report turnaround time of less than or equal to 7 days for Ultrasound	>99%	97.4%	98.2%	5116	5251	97.4%	CRIS	
Liver Medicine*	Patients who have endoscopic retrograde cholangio-pancreatography (ERCP) who develop pancreatitis*	<5%	1.2%	2.5%	1	65	1.5%	Unisoft Lorenzo PICS	

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Liver Medicine/ Surgery	90 day patient mortality (%) with 95% confidence intervals for adult elective patients who received a first liver transplant (where available)	<10%	Not available yet	Not available yet	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%	Not available yet	Not available yet	Not available yet			RCS Annual Audit / UHB Liver database	National 13/14: 7.6% (5.5%, 9.7%)
Liver Transplant	The percentage use of the anti-viral medication Valganciclovir in recipients of CMV (Cytomegalovirus) positive liver grafts	100%	97.8%	100.0%	9	9	100.0%	Liver database, PICS	
Maxillofacial Surgery	Percentage of emergency admissions with fractured mandible (lower jaw) who are operated on the same or next day	>90%	76.1%	77.4%	37	46	80.4%	Lorenzo	

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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%	95.3%	94.7%	19	19	100.0%	Lorenzo	
Pathology	Turnaround time: C-Reactive Protein within 24 hours	100%	99.4%	99.0%	65854	66927	98.4%	Telepath	
Pathology	Turnaround time: Cholesterol within 24 hours	100%	99.0%	97.8%	15354	15953	96.2%	Telepath	
Pathology	Turnaround times: Urine negative results only - Time received to time of authorisation <24 hours (received Mon 00:00 – Fri 23:59)	>90%	72.5%	88.7%	6071	6587	92.2%	Telepath	
Pathology	Turnaround time: Full Blood Count within 24 hours	100%	99.2%	99.2%	107420	108350	99.1%	Telepath	
Pharmacy	Pharmacy error rate per 100,000 items/lines dispensed	<15	6	7.0	9	91564	9.8	Pharmacy database, Datix	

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Renal Medicine	Percentage of patients on haemodialysis programme with a urea reduction ratio (URR) of >65%: all patients on haemodialysis	>90%	94.6%	94.5%	2639	2796	94.4%	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%	94.9%	94.6%	2608	2761	94.5%	MARS	
Respiratory	Asthmatic patients discharged on inhaled steroids	>95%	96.2%	94.8%	68	72	94.4%	PICS	
Rheumatology	Rheumatology outpatients that saw the same clinician at least 3 times out of their 6 most recent visits - NURSES ONLY	>85%	81.7%	82.9%	398	490	81.2%	Optims	
Rheumatology	Rheumatology outpatients that saw the same clinician at least 3 times out of their 6 most recent visits - DOCTORS ONLY	>95%	91.3%	92.0%	547	585	93.5%	Optims	
Routine Surgery / Care *	Unplanned return to theatre for all non-emergency surgical patients*	<2.5%	0.8%	0.3%	16	4377	0.4%	Galaxy	

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Sexual Health	Genito-Urinary Medicine (GUM) access - New patients offered an appointment within 48 hours	>98%	100.0%	96.6%	21351	22145	96.4%	Sexual Health database	
Stroke Medicine	In hospital mortality following stroke	<15%	5.0%	1.8%	3	117	2.6%	SSNAP	
Surgery - Emergency	Perianal abscess operations should take place on the day of admission or the next day	>90%	83.3%	80.4%	21	25	84.0%	Lorenzo	
Therapy Services	Physiotherapy inpatient needs are responded to on the same day as they are identified to the service	>95%	99.1%	98.3%	5056	5231	96.7%	Therapy database	
Therapy Services	Major Trauma Centre: TARN eligible patients have a rehab prescription before discharge - pre-validated data	>98%	99.6%	99.3%	130	130	100.0%	Therapy database	
Therapy Services	Occupational therapy: In-patient needs are responded to within two working days of being identified to the service	>95%	99.2%	99.1%	2081	2122	98.1%	Therapy database	

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Trauma & Orthopaedics	Percentage of patients who had surgery within 48 hours of admission for fractured neck of femur (fractured hip)	>90%	88.3%	89.9%	32	36	88.9%	Lorenzo Galaxy	
Trauma & Orthopaedics	Percentage of patients who had surgery within 36 hours of admission for fractured neck of femur (fractured hip)	>80%	83.2%	83.9%	32	36	88.9%	Lorenzo Galaxy	
Upper Gastrointestinal Medicine	Emergency patients admitted with gall stone diseases who had an ultrasound within 24 hours of admission	>90%	83.0%	82.0%	37	43	86.0%	Lorenzo PICS	
Upper Gastrointestinal Medicine	Emergency patients admitted with gall stone diseases who had bilirubin tested	100%	98.8%	99.3%	57	57	100.0%	Lorenzo PICS	
Vascular Surgery	Percentage of varicose vein procedures which are done as day cases	>95%	98.5%	97.7%	201	203	99.0%	Lorenzo	

*data April to May 2017 - indicator is 1 month in arrears

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
RCS	Royal College of Surgeons
Somerset	Cancer database
SSNAP	Sentinel Stroke National Audit Programme
TARN	Trauma Audit & Research Network
Telepath	Laboratory database
Unisoft	Gastroenterology database