



University Hospitals  
Birmingham  
NHS Foundation Trust

# Specialty Quality Indicators

Q3 2017-2018

# UHB Quality Account Update 2017–2018 Quarter 3

## Specialty Quality Indicators

Specialty	Indicator	Goal	Percentage Apr15 - Mar16	Percentage Apr16 - Mar17	Numerator Apr17 - Dec17	Denominator Apr17 - Dec17	Percentage Apr17 - Dec17	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%	745	15948	4.7%	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%	2015	2256	89.3%	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%	1553	2256	68.8%	Lorenzo PICS	
Cardiac Surgery	First-time, isolated coronary artery bypass graft (CABG) - MRSA bacteraemia	0%	0.0%	0.0%	0	241	0.0%	PATS Lorenzo	
Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - C.difficile infection	No goal currently	0.0%	0.3%	1	241	0.4%	PATS Lorenzo	
Cardiac Surgery*	First-time isolated coronary artery bypass graft (CABG) - Emergency readmissions within 28 days	<5%	8.1%	5.4%	15	222	6.8%	PATS Lorenzo	

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CardiacSurgery	First-time isolated coronary artery bypass graft (CABG) - Patients discharged on antiplatelet therapy	100%	100.0%	100.0%	236	236	100.0%	PATS PICS	2011 Cleveland Clinic: 100% Use of a peri-operative beta blocker
CardiacSurgery	First-time isolated coronary artery bypass graft (CABG) - Patients discharged on statins	100%	99.6%	100.0%	202	205	98.5%	PATS PICS	2011 Cleveland Clinic: 100%
CardiacSurgery	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%	116	120	96.7%	PATS PICS	
CardiacSurgery	First-time isolated coronary artery bypass graft (CABG) - Post-operative stroke	<2%	1.2%	0.3%	1	241	0.4%	PATS	
CardiacSurgery	First-time isolated coronary artery bypass graft (CABG) - Reopening (all causes)	<=5%	3.6%	5.5%	15	241	6.2%	PATS	
CardiacSurgery	First-time isolated coronary artery bypass graft (CABG) - Average post-operative length of stay	11 days	9 days	8.4 days	---	241	8.9 days	PATS	
CardiacSurgery	First-time isolated coronary artery bypass graft (CABG) - Median post-operative length of stay	8 days	7 days	6 days	---	241	7 days	PATS	
CardiacSurgery	First-time isolated coronary artery bypass graft (CABG) - Hospital survival (risk adjusted mortality available on SCTS website: <a href="http://www.scts.org">www.scts.org</a> )	n/a See risk adjusted data	98.8%	99.7%	237	241	98.3%	PATS	Risk-adjusted mortality data for the UK is available on the Society for Cardiothoracic Surgery in Great Britain & Ireland website: <a href="http://www.scts.org">www.scts.org</a> (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%	100.0%	100.0%	392	392	100.0%	Lorenzo PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on theinopyridine (clopidogrel) or prasugrel	>90%	98.7%	99.5%	184	186	98.9%	CHD database PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on statins	>98%	99.1%	100.0%	186	188	98.9%	CHD database PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on beta blockers	>80%	97.3%	100.0%	177	180	98.3%	CHD database PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on aspirin	>98%	99.1%	100.0%	186	187	99.5%	CHD database PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on ACE inhibitors	>90%	99.1%	98.9%	171	172	99.4%	CHD database PICS	
Colorectal Surgery	Clexane medication after elective colorectal surgery (excluding day cases)	>95%	90.2%	84.8%	129	147	87.8%	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%	47	3228	1.5%	PICS	
Dementia	Administration of anti-psychotic medication for patients with a diagnosis of dementia	<8%	12.0%	12.8%	259	2271	11.4%	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%	169	217	77.9%	Lorenzo PICS	
Dermatology*	Suspected cancer cases seen within 2 weeks by a Consultant	>93%	98.9%	96.4%	1863	2070	90.0%	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%	5	3220	0.2%	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%	0.8%	0.4%	15	3220	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%	47	59	79.7%	Lorenzo PICS	
Endocrinology	Patients discharged on hydrocortisone medication after pituitary surgery	100%	100.0%	100.0%	57	57	100.0%	Lorenzo PICS	
Gastroenterology	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%	50	50	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%	198	442	44.8%	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%	269	442	60.9%	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%	6779	6781	100.0%	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%	16968	21217	80.0%	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%	8826	8865	99.6%	CRIS	
Imaging	Inpatients who have report turnaround time of less than or equal to 4 days for CT	>99%	99.5%	99.6%	11995	12023	99.8%	CRIS	
Imaging	Proportion of Inpatients who have report turnaround time of less than or equal to 4 days for MRI	>85%	97.7%	98.2%	3588	3655	98.2%	CRIS	
Imaging	Inpatients who have report turnaround time of less than or equal to 4 days for Ultrasound	>99%	99.3%	99.5%	10170	10217	99.5%	CRIS	
Imaging	Outpatients who have report turnaround time of less than or equal to 14 days for CT	>85%	86.3%	86.1%	15590	18700	83.4%	CRIS	
Imaging	Outpatients who have report turnaround time of less than or equal to 14 days for MRI	>75%	85.9%	82.4%	16859	19792	85.2%	CRIS	
Imaging	Outpatients who have report turnaround time of less than or equal to 7 days for Ultrasound	>99%	97.4%	98.2%	15829	16183	97.8%	CRIS	

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Liver Medicine*	Patients who have endoscopic retrograde cholangio-pancreatography (ERCP) who develop pancreatitis.	<5%	1.2%	2.5%	4	292	1.4%	Unisoft Lorenzo PICS	
Liver Transplant	The percentage use of the anti-viral medication Valganciclovir in recipients of CMV (Cytomegalovirus) positive liver grafts	100%	97.8%	100.0%	28	28	100.0%	Liver db 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%	403	569	70.8%	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%	95.3%	94.7%	56	57	98.2%	Lorenzo	
Pathology	Turnaround time: C-Reactive Protein within 24 hours	100%	99.4%	99.0%	197120	199579	98.8%	Telepath	
Pathology	Turnaround time: Cholesterol within 24 hours	100%	99.0%	97.8%	43861	44976	97.5%	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%	17847	19946	89.5%	Telepath	
Pathology	Turnaround time: Full Blood Count within 24 hours	100%	99.2%	99.2%	324288	327012	99.2%	Telepath	
Pharmacy	Pharmacy error rate per 100,000 items/lines dispensed	<15	6	7.0	21	284099	7.4	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%	7852	8313	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%	94.9%	94.6%	7765	8213	94.5%	MARS	
Respiratory	Asthmatic patients discharged on inhaled steroids	>95%	96.2%	94.8%	272	286	95.1%	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%	382	484	78.9%	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%	837	877	95.4%	Optims	
Routine Surgery / Care *	Unplanned return to theatre for all non-emergency surgical patients	<2.5%	0.8%	0.3%	77	18468	0.4%	Galaxy	
Sexual Health	Genito-Urinary Medicine (GUM) access - New patients offered an appointment within 48 hours	>98%	100.0%	96.6%	65979	69197	95.3%	Sexual Health database	
Stroke Medicine	In hospital mortality following stroke	<15%	5.0%	1.8%	14	382	3.7%	SSNAP	
Surgery - Emergency	Perianal abscess operations should take place on the day of admission or the next day	>90%	83.3%	80.4%	77	94	81.9%	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%	12204	13036	93.6%	Therapy database	



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Therapy Services	Major Trauma Centre: TARN eligible patients have a rehab prescription before discharge - pre-validated data	>98%	99.6%	99.3%	299	299	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%	5013	5091	98.5%	Therapy database	
Upper Gastrointestinal Medicine	Emergency patients admitted with gall stone diseases who had an ultrasound within 24 hours of admission	>90%	83.0%	82.0%	130	157	82.8%	Lorenzo PICS	
Upper Gastrointestinal Medicine	Emergency patients admitted with gall stone diseases who had bilirubin tested	100%	98.8%	99.3%	219	222	98.6%	Lorenzo PICS	
Vascular Surgery	Percentage of varicose vein procedures which are done as day cases	>95%	98.5%	97.7%	491	496	99.0%	Lorenzo	

\*data April17-Nov17 - indicator runs 1 month in arrears

\*\*data April17-Oct17 - indicator runs 2 months in arrears

### Notes

ENT Indicator: from 17/18 Quarter 3, this indicator runs 2 months in arrears due to introduction of new type of CT, and an increase in the post-op time frame to have the imaging done (from 7 to 28 days).

### 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