



University Hospitals Birmingham  
NHS Foundation Trust



## Specialty Quality Indicators 2017/18

This annual report covers the period 1 April 2017 to 31 March 2018

# UHB Quality Account Update 2017–2018

## Specialty Quality Indicators

Speciality	Indicator	Goal	Percentage Apr15 - Mar16	Percentage Apr16 - Mar17	Numerator Apr17 - Mar18	Denominator Apr17 - Mar18	Percentage Apr17 - Mar18	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%	977	21253	4.6%	Lorenzo/Oceano 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%	2694	3025	89.1%	Lorenzo/Oceano 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%	2082	3025	68.8%	Lorenzo/Oceano PICS	
Cardiac Surgery	First-time, isolated coronary artery bypass graft (CABG) - MRSA bacteraemia	0%	0.0%	0.0%	0	301	0.0%	PATS Lorenzo/Oceano	
Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - C.difficile infection	No goal currently	0.0%	0.3%	1	301	0.3%	PATS Lorenzo/Oceano	
Cardiac Surgery*	First-time isolated coronary artery bypass graft (CABG) - Emergency readmissions within 28 days	<5%	8.1%	5.4%	21	276	7.6%	PATS Lorenzo/Oceano	

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Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - Patients discharged on antiplatelet therapy	100%	100.0%	100.0%	295	295	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%	256	262	97.7%	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%	145	153	94.8%	PATS PICS	
Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - Post-operative stroke	<2%	1.2%	0.3%	2	301	0.7%	PATS	
Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - Reopening (all causes)	<=5%	3.6%	5.5%	18	301	6.0%	PATS	
Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - Average post-operative length of stay	11 days	9 days	8.4 days	---	301	9.3 days	PATS	
Cardiac Surgery	First-time isolated coronary artery bypass graft (CABG) - Median post-operative length of stay	8 days	7 days	6 days	---	301	7 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: <a href="http://www.scts.org">www.scts.org</a> )	n/a See risk adjusted data	98.8%	99.7%	297	301	98.7%	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)
Cardiology	Percentage of patients discharged on dual antiplatelet therapy following percutaneous coronary intervention (PCI)	100%	100.0%	100.0%	521	521	100.0%	Lorenzo/Oceano PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on theinopyridine (clopidogrel) or prasugrel	>90%	98.7%	99.5%	184	184	100.0%	CHD database PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on statins	>98%	99.1%	100.0%	187	187	100.0%	CHD database PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on beta blockers	>80%	97.3%	100.0%	179	179	100.0%	CHD database PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on aspirin	>98%	99.1%	100.0%	190	190	100.0%	CHD database PICS	
Cardiology	Percentage of patients following myocardial infarction discharged on ACE inhibitors	>90%	99.1%	98.9%	173	173	100.0%	CHD database PICS	

Speciality	Indicator	Goal	Percentage Apr15 - Mar16	Percentage Apr16 - Mar17	Numerator Apr17 - Mar18	Denominator Apr17 - Mar18	Percentage Apr17 - Mar18	Data Source	Benchmarking
Colorectal Surgery	Clexane medication after elective colorectal surgery (excluding day cases)	>95%	90.2%	84.8%	188	208	90.4%	Lorenzo/Oceano, PICS	
Critical Care	Unplanned readmissions to Critical Care within 48 hours of discharge from Critical Care (live discharges only)	<4%	1.3%	1.0%	53	4275	1.2%	PICS	
Dementia	Administration of anti-psychotic medication for patients with a diagnosis of dementia	<8%	12.0%	12.8%	354	3205	11.0%	Lorenzo/Oceano 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%	69.6%	66.5%	240	304	78.9%	Lorenzo/Oceano PICS	
Dermatology*	Suspected cancer cases seen within 2 weeks by a Consultant	>93%	98.9%	96.4%	2442	2671	91.4%	Lorenzo/Oceano, 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%	4	8451	0.0%	Lorenzo/Oceano	

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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%	17	8451	0.2%	Lorenzo/Oceano	
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%	68	86	79.1%	Lorenzo/Oceano PICS	
Endocrinology	Patients discharged on hydrocortisone medication after pituitary surgery	100%	100.0%	100.0%	75	75	100.0%	Lorenzo/Oceano 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%	57	57	100.0%	Lorenzo/Oceano 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%	177	406	43.6%	Lorenzo/Oceano 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%	61.8%	62.1%	296	469	63.1%	Lorenzo/Oceano 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%	9307	9310	100.0%	CRIS	

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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%	21412	29202	73.3%	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%	12418	12478	99.5%	CRIS	
Imaging	Inpatients who have report turnaround time of less than or equal to 4 days for CT	>99%	99.5%	99.6%	16241	16277	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%	4801	4894	98.1%	CRIS	
Imaging	Inpatients who have report turnaround time of less than or equal to 4 days for Ultrasound	>99%	99.3%	99.5%	13592	13654	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%	20457	24709	82.8%	CRIS	
Imaging	Outpatients who have report turnaround time of less than or equal to 14 days for MRI	>75%	85.9%	82.4%	22728	26793	84.8%	CRIS	
Imaging	Outpatients who have report turnaround time of less than or equal to 7 days for Ultrasound	>99%	97.4%	98.2%	21396	21932	97.6%	CRIS	

Speciality	Indicator	Goal	Percentage Apr15 - Mar16	Percentage Apr16 - Mar17	Numerator Apr17 - Mar18	Denominator Apr17 - Mar18	Percentage Apr17 - Mar18	Data Source	Benchmarking
Liver Medicine*	Patients who have endoscopic retrograde cholangio-pancreatography (ERCP) who develop pancreatitis.	<5%	1.2%	2.5%	6	398	1.5%	Unisoft Lorenzo/Oceano 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%	36	36	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%	515	749	68.8%	Lorenzo/Oceano	
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%	72	74	97.3%	Lorenzo/Oceano	
Pathology	Turnaround time: C-Reactive Protein within 24 hours	100%	99.4%	99.0%	266909	270166	98.8%	Telepath	
Pathology	Turnaround time: Cholesterol within 24 hours	100%	99.0%	97.8%	58984	60314	97.8%	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%	24126	27034	89.2%	Telepath	
Pathology	Turnaround time: Full Blood Count within 24 hours	100%	99.2%	99.2%	439386	443588	99.1%	Telepath	



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Pharmacy	Pharmacy error rate per 100,000 items/lines dispensed	<15	6	7.0	28	390222	7.2	Pharmacy database, Datix	
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%	10458	11080	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%	10340	10943	94.5%	MARS	
Respiratory	Asthmatic patients discharged on inhaled steroids	>95%	96.2%	94.8%	374	392	95.4%	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%	487	611	79.7%	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%	950	1015	93.6%	Optims	
Routine Surgery / Care *	Unplanned return to theatre for all non-emergency surgical patients	<2.5%	0.8%	0.3%	103	25224	0.4%	Galaxy	
Sexual Health	Genito-Urinary Medicine (GUM) access - New patients offered an appointment within 48 hours	>98%	100.0%	96.6%	89673	93952	95.4%	Sexual Health database	

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Stroke Medicine	In hospital mortality following stroke	<15%	5.0%	1.8%	29	510	5.7%	SSNAP	
Surgery - Emergency	Perianal abscess operations should take place on the day of admission or the next day	>90%	83.3%	80.4%	94	112	83.9%	Lorenzo/Oceano	
Therapy Services	Physiotherapy inpatient needs are responded to on the same day as they are identified to the service	>95%	99.1%	98.3%	15878	17025	93.3%	Therapy database	
Therapy Services	Major Trauma Centre: TARN eligible patients have a rehab prescription before discharge - pre-validated data	>98%	99.6%	99.3%	362	362	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%	6546	6643	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%	193	228	84.6%	Lorenzo/Oceano PICS	
Upper Gastrointestinal Medicine	Emergency patients admitted with gall stone diseases who had bilirubin tested	100%	98.8%	99.3%	324	329	98.5%	Lorenzo/Oceano PICS	
Vascular Surgery	Percentage of varicose vein procedures which are done as day cases	>95%	98.5%	97.7%	645	651	99.1%	Lorenzo/Oceano	

\*data April-17 to February-18 - indicator 1 month in arrears

\*\*data April-17 to January-18 - indicator 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).

Trauma indicators 380 and 380a were decommissioned during Quarter 2, as the data is collected and monitored elsewhere

Liver Medicine/Surgery indicators 223 and 223a have been removed from the above table as no data is currently available.

## Key

CHD database	Coronary Heart Disease database
CRIS	Radiology database
Datix	Incident database
Galaxy	Theatres database
Lorenzo/Oceano	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