



Quality Account 2014/2015

Additional Clinical Audit Information



UHB Quality Account 2014-2015

The additional information on national and local clinical audits provided here relates to section '2.2.2 Information on participation in clinical audits and national confidential enquiries' of the Trust's 2014/15 Quality Report.

National Clinical Audits

The reports of 26 national clinical audits were reviewed by the provider in 2014/15 and UHB intends to take the following actions to improve the quality of healthcare provided:

National Audit reports reviewed	Actions
Bowel cancer (NBOCAP)	There were no actions required following the audit report.
Oesophago-gastric cancer	The 2014 report is due to be published in June 2015. The 2015 audit results are due to be published in September 2015 and any actions will be reviewed.
Inflammatory bowel disease	There were no actions required following the audit report.
Heart failure	The report is due to be published in May 2015 and any actions will be reviewed.
Adult cardiac surgery audit	The data is used for regular review of benchmarking and comparison against similar units.
Congenital heart disease (children and adults) / Paediatric cardiac surgery	The report is reviewed annually at the departmental meeting.
Cardiac rhythm management (Pacing / Implantable Defibrillators)	Data is used for regular review of benchmarking and comparison against similar units, local audits and research projects.
National Vascular Registry	The report is due to be published in July 2015 and any actions will be reviewed.
National Lung Cancer Audit (NLCA)	The results of the audit have been reviewed and to improve data collection the lead and coordinator are due to attend training at the NLCA workshop. In addition, ongoing implementation of prompt CNS electronic referral to maintain the submission rate.
SSNAP (Sentinel Stroke National Audit Programme)	A report was published in December 2014. We scored 82 (out of a possible 100) with a national median score of 73.5. There were issues around nursing and therapy staffing levels on the unit which have been discussed and escalated with plans in place.
Head & neck cancer (DAHNO)	The Trust has worked closely with local units to ensure the quality of data submitted is satisfactory. The report is due to be published in July 2015 and any actions will be reviewed.
Hip Fracture Database – part of FFFAP (Falls and Fragility Fractures Audit Programme)	The National report highlights national compliance rates with Best Practice Tariff rather than individualised hospital reports.

National Audit reports reviewed	Actions
ICNARC Critical Care Casemix	The audit was placed on hold for 2014 and will be reinstated for 2015/16
PROMs (Patient Recorded Outcomes Measures)	Data is used for regular review of benchmarking and comparison against similar units.
Severe Trauma; TARN (Trauma Audit and Research Network)	The National report highlights national compliance rates with Best Practice Tariff rather than individualised hospital reports.
National Joint Registry	Does not provide outcomes or recommendations
Chronic Obstructive Pulmonary Disease (COPD)	UHB are compliant with most COPD services however there are some service UHB do not currently offer.
Rheumatoid and early inflammatory arthritis	Concerns raised by the clinical audit lead regarding the data collection and escalated with the national audit team; awaiting outcome of the result
National Emergency Laparotomy Audit (NELA)	The report is due to be published in July 2015 and any actions will be reviewed.
National Audit of Percutaneous Coronary Interventions (PCI)	The report is due to be published in October 2015 and any actions will be reviewed.
National Audit of Dementia	Request to participate in pilot study to run Jan 2015 made, no response received
National Prostate Cancer Audit	The audit is currently on-going therefore currently no actions
College of Emergency Medicine Mental Health (care in ED)	The report is due to be published in May 2015 and any actions will be reviewed.
College of Emergency Medicine Older People (care in ED)	The report is due to be published in May 2015 and any actions will be reviewed.
Adult and Community Acquire Pneumonia	The audit is currently on-going. The report is due for publication in August 2015
Pleural Procedures	The report is due to be published in May 2015 and any actions will be reviewed.

Local Clinical Audits

The reports of 137 local clinical audits were reviewed by the provider in 2014/15. At UHB, staff undertaking clinical audit are required to report any actions that should be implemented to improve service delivery and clinical quality. Examples of specific actions reported are shown in the table below:

Specialty	Audit Title	Actions
Accident & Emergency	Management of Head Injury at the QEH ED	Increase awareness and importance of assessing for high risk head injury patients within 15 minutes, to provide written advice and documentation and to continue to record observations.
Accident & Emergency	Screening for signs of child maltreatment	A new CAS card has been designed to incorporate all the required information which will be added to the electronic system, Oceano. Following the implementation of the new form a re-audit will take place.
Accident & Emergency	Trauma Alert Pregnancy Testing	Discussion with biochemistry department about introduction of serum bHCG testing in pregnancy. Trauma paperwork has been re-designed and includes a tick box for pregnancy testing.
Accident & Emergency	Assessing for cognitive impairment in older people	Teaching for Junior Doctors and Nurses is taking place around importance of SEWS scoring and assessing cognitive function and communicating findings to relevant stakeholders.
Accident & Emergency	Use of Diagnostic Tools in the diagnosis of PE	Actions include developing a revised sticker and pre-test DVT/ PE probability to be taught at junior doctors' induction at the beginning of the rotation.
Accident & Emergency	The management of Head Injury in ED	Reminder to staff to ensure accurate documentation asking about red flags of head injury in ED, GCS and pupil size measurement and to provide patients with head injury advice.
Accident & Emergency	Management of Urinary Retention in the emergency Department	The Professional Development Nurses are working on a competencies booklet for the nursing staff, with the hope of improving numbers of nurses getting full sign off for skills such as urinary catheterisation of male patients
Accident & Emergency	Use of Diagnostic Tools in the diagnosis of PE	Encourage use of Wells score sticker to guide investigation choice and re-audit documentation of Wells score

Specialty	Audit Title	Actions
Acute Medicine	Auditing admission blood glucose checks in the acute medical unit	BM (capillary glucose) to be completed on triage and on admission. This will give better results as VBG and ABG glucose results from ED are appearing on PICS for review too so reducing the need for admission BM (capillary glucose checking in such patients). Further work to be carried out to help informed the admission hyperglycaemia and HbA1c pathways.
Acute Medicine	Audit of clinical case note documentation on CDU	Actions include reminding current and new staff on the importance of effectively completing documentation. Ensure adequate supply of patient stickers are available in the patient's notes and name stamps with designation to be given to all staff.
Acute Medicine	Cellulitis Pathway	Actions include considering the use of once daily antibiotics so that more patients can be referred to recovery at home services, following microbiology input. To formulate a cellulitis pathway for the trust guidelines.
Anaesthetics	Are Critically Ill Patients Provided with their Nutritional requirements	The results of the audit have been presented locally and it currently in discussed with Critical Care Dieticians to agree a plan to take this forward to meet the standards.
Anaesthetics	Preoperative Fasting Times	Recommendations include updating patient letters with the instructions, provide education for patients during the preoperative assessment clinics and improve communication between theatres and ward staff regarding the order of the theatre list.
Anaesthetics	Skin antisepsis for central neuraxial blockade	Recommendations include educating and reminding all anaesthetics about recent recommendations from Association of Anaesthetists of Great Britain and Northern Ireland (AAGBI) (2). To produce and distribute aide-memoire "HAVE YOU SPRAYED" to be conducted as a challenge/response drill prior to CNB.
Anaesthetics	Are on-call consultants being informed of night-time operating?	Results of the audit to be disseminated to all consultant anaesthetists undertaking general emergency on-calls. Discussion whether potential revision of guidelines for junior anaesthetists should be made.
Audiology	Number of patients losing a fixture in the last 5 years.	Compliant with the BAHA standards, to repeat the audit in 12 months to continue to monitor compliance. Recently changed the type of abutment/ fixture used so continue to monitor.

Specialty	Audit Title	Actions
Breast	309 Expanded practice protocol for drainage of seromas	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Breast	Protocol for the performance of tissue expansion by registered nurses	Update protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Burns	Difference in outcome of burns; self-harm vs accidental	Self-inflicted burns have a higher mortality as compared to accidental burns. Actions included involving Psychiatrists, Psychologists and GP's and to increase awareness of their high mortality via different conferences.
Burns	Obstetrics in Burns	To continue surveillance of obstetric patients in the Burns Specialty and to develop clinical guidelines to aid care of patients.
Cardiology	Audit for Stress Echo Services; Indications, guiding further testing and outcomes	To re audit during 2015.
Cardiology	Audit of Controlled Document 591: EPP for Sonographer-Led Bubble Contrast Echocardiography	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Cardiology	The use of Mexiletine in cardiology patients at QEH Birmingham.	The study showed that combination drug therapy with Mexiletine and Sotalol is an effective treatment strategy in controlling life threatening ventricular arrhythmias in patients with ARVC and is prescribed when appropriate. To continue with current practice.
Cardiology	Radiation dose used in Coronary angiography and angioplasty	Recommendations include staff to have mandatory IRMER certificate. To operate at the lowest (pulsed) fluoroscopic dose rate that yields adequate images.
Cardiology	Procedural cancellations within the Cardiac Electrophysiology Department	The new patient information booklets may help to reduce the number of patient cancellations. Staff reminded to plan ahead in advance. The use of an online procedure/booking calendar will allow Consultants to access in clinics.
Clinical Haematology	Testing for Hep B prior to Rituximab therapy.	Update protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Clinical Haematology	Evaluating the impact of air tubes on rejection rates of blood samples in 2014, compared to 2011	To continue use of the air tube collection system and inform haematology lab of findings.

Specialty	Audit Title	Actions
Critical Care	Sedation holds of critically ill patients	Further education to increase awareness and confidence of staff regarding sedation. Guidance is being developed in conjunction with the Professional Development Team. Other changes have been made to standard practice such as care bundles and daily goals charts to be completed at the time of the ward round
Critical Care	Quality and Safety of Handover in Intensive Care	Recommendations included to remind staff of the importance to not disrupt handover where necessary, be aware of new members of the team and allow them to introduce themselves and to handover all relevant information including patient history to ensure all team members are aware of the patients' history.
Critical Care	Adherence of Critical Care Unit to the UHB ICU bowel guideline	Actions include updating the guidelines with involvement from relevant stakeholders and make it available and easily accessible via the intranet. To re-audit to ensure improvement has been made and sustained in bowel care.
Dermatology	Biologics in Psoriasis	Reminder to staff to ensure Psoriasis scoring is documented in the notes. Information to staff to confirm which virology screen to tick on the microbiology form.
Dermatology	Indications and monitoring for the use of dapsone in dermatology	Recommendations include to Introduce "Dapsone Monitoring booklet" Filled by prescribing doctor when starting treatment, tick boxes for screening tests including Retic & G6PD, table to fill in future blood test appointments (by doctor or reception) and taken away by patient, to bring to appointments.
Diabetic Medicine	Audit of Retinal Grading in Diabetic Pregnancy	Actions include closer links with Retinal Screening service to ensure women who do not attend retinal grading appointments are offered appropriate advice and appointments. This is to be achieved by regular emails between team and Failsafe Co-ordinator - Ophthalmology.
Ear Nose and Throat	Percentage of BAHA patients requiring skin revision surgery with 1 year of original surgery.	Compliant with the BAHA standards; recently changed the type of abutment/ fixture used and methods of surgery are changing so therefore a re-audit is required to continue to monitor.

Specialty	Audit Title	Actions
Ear Nose and Throat	Re-audit of stapes surgery outcomes	The audit demonstrated standards were being met therefore to continue with current practice. The results of the audit are due to be presented.
Elderly Care	Management of heart failure in elderly patients	The findings were presented as a poster at the Geriatric Congress in Dublin. Further promotion of the NICE guidance and education for both medical and nursing staff on the management of older people with heart failure. A re-audit will be carried with further detailed analysis.
Elderly Care	Clexane Prescription	Further education to increase awareness to ensure prescriptions is accurate. A re-audit is due to take place
Elderly Care	Impact on the OPAL service at QEHB	Older people who received CGA (Comprehensive geriatric assessment) at the point of admission appeared to benefit from improved function at discharge, reduced length of stay and increased probability of returning to their usual place of residence on discharge. CGA for older adults admitted to hospital implemented
Elderly Care	Are mobility aids accessible to patients?	Further training to increase awareness and for patient bedside posters to be made available to remind staff of ensuring mobility aids are left within reach of the patient
Elderly Care	Adherence if antibiotic prescribing with guidelines	To discuss with PICS team for a box to appear stating what infection is being treated when prescribing antibiotics.
Elderly Care	The Use of Non-Standard Medical Abbreviations in Hospital Discharge Summaries	To distribute findings to all staff, make a list of approved abbreviations available on the trust intranet and to complete follow up audit to assess patient understanding of approved abbreviations.
Elderly Care	Medical Record Keeping on Elderly Care Wards	Actions included to re-inforce the need for improvement of medical record keeping standards by medical staff as well as junior doctors. Encourage senior medical professionals to proof-read and ideally countersign the ward rounds documented by their junior team members and to promote good-record keeping standards through posters available at all staff bases.
Emergency Medicine	Management of PV bleeding in ED	To provide further education around management of PV bleeding.

Specialty	Audit Title	Actions
Emergency Medicine	Tranexamic acid use for patients with, or at risk of significant bleeding in trauma alerts	Update transfusion guideline following discussion with key stakeholders, amending limitations to reflect audit results.
Emergency Medicine	Mental Health Emergency Department Audit	Actions include use of the new mental health triage matrix to risk assess patients with mental health problems, ensure complete documentation in patients notes and an induction session for new junior doctors working in the department.
Emergency Medicine	Emergency medicine hand injury audit	To use an ED proforma to ensure that no information will be missed out. Attach proforma to all patients who present with hand injuries. Educate Nursing staff on importance of pain score documentation and analgesia. Educate Doctor staff on importance of thorough documentation. Remind staff of the importance to examine every single tendon and nerve because the patients hand will be swollen so they may misinterpret sensation in the initial examination.
Endoscopy	Audit of Adherence to EPP for RNs as Abdominal Operators during PEG insertion	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Endoscopy	Audit of EPP for Nurse Endoscopists to act as referrers for CT Scans	To continue with current practice, no issues found
Gastroenterology	NPSA compliance – Early Detection of Complications after Gastrostomy Insertion	Recommendations include redistributing NPSA RRR to all relevant medical and nursing staff, liaise with staff inserting gastrostomy tubes in theatres to discuss and ascertain the best way to implement the high-visibility warning into post-op notes and liaise with Professional Development Nurses on ensuring nursing staff remain up to date with the discharge protocols.
Gastroenterology	Home Parental Nutrition Patients - Satisfaction Survey	Patients were satisfied with the service provided and the frequency they are seen in clinic. Coffee mornings have been held, however further work is being carried out to allow for higher attendance. A further satisfaction questionnaire is to be carried out.
Gastroenterology	Screening of patients prior to anti TNF alpha therapy	The audit was presented and actions include to create a proforma that can be used for screening and plan to do a re-audit to see if the proforma is effective.

Specialty	Audit Title	Actions
General Medicine	Management of patients presenting with headache to Clinical Decision Unit	The recommendations from the audit were to improve clinical examination and record Fundus examination in notes; these have been passed on to juniors and during induction. Ophthalmoscopes to be made available in CDU. The information packs for the headaches management to patients are provided by the neurology speciality clinic
General Medicine	British Thoracic Society Oxygen Prescription Audit	Actions included to provide 2 printed posters, one aimed at junior doctors and another aimed at nursing staff regarding oxygen prescription. Education about conditions associated with elevated risk of hypercapnic respiratory failure requiring controlled or low-concentration oxygen therapy.
General Surgery	Quality of the MDT meetings.	A checklist has been developed for MDT co-ordinators to improve MDT outcome quality which is now being piloted in Colorectal Surgery.
General Surgery	Audit of Adherence to EPP Performance of PTNS by Colorectal CNS	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
General Surgery	A clinical audit to investigate the legibility and accuracy of medical record keeping	Actions include further education for both doctors and nurses at handover regarding medical record keeping. Make poster available in staff room detailing the standard.
General Surgery	An audit of the accuracy of endoscopy reports in oesophagogastric cancer	The results of the audit were presented at the Endoscopy away day. To update the Endoscopy guidelines to include requirements for an accurate OGD when OG cancer is diagnosed to be included.
General Surgery	Antibiotic Prescription Documentation - Comparison with UHB Trust Guidelines	To conduct a focus group with Band 6 and Band 7 Pharmacists and to add create a poster on antibiotic prescription on PICS
Genito-Urinary Medicine	An Audit of the Management of Complainants of Sexual Assault	Further training to increase awareness of services available, awareness of importance of timescales for forensic examinations and to increase the use of a proforma.
Genito-Urinary Medicine	Radiological investigation of scrotal swellings at Whittall Street Sexual Health Clinic	Results of the audit discussed and staff reminded of the importance of documenting US findings and to contact patients to discuss results with the patient regardless of the results.
Genito-Urinary Medicine	Male Patients Presenting to GUM Clinic Receiving HIV Testing	Training need to be raised at departmental meeting. Staff reminded to document if HIV test is declined and also to document any decisions.

Specialty	Audit Title	Actions
Hands	A prospective audit of hospital antibiotic guidelines used for hand injuries at QEHB	Email to be sent to all Plastics and Orthopaedics and Fellows with antibiotic guidelines and results of the audit to remind staff around documentation of antibiotics and dose prescribed. The guideline is to be made available on the intranet and a poster to be placed in A&E Minors consultation room.
Hands	A prospective audit of hospital antibiotic guidelines used for hand injuries at QEHB	Actions include to educate and reinforce the use of guidelines with SHO's clerking patients in and to discuss with PICS Team to integrate pathway into system that could recommend antibiotics with certain types of injuries PICS swab/aspiration prompt.
Hands	Scaphoid fracture patient pathway	The results of the audit showed the Trust was on average managing acute scaphoid wrist fractures within the 2 week period. To participate in the scaphoid fracture trial.
Hepatology/Liver	EPP for RNs in the LOPD to Perform Transient Elastography	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Hepatology/Liver	Albumin administration during large volume paracentesis	Actions include to educate and remind staff members of practices surrounding paracentesis and a care plan is in the process of being drafted. PICS prompts are also being implemented to ensure that the right amount of albumin is administered during paracentesis.
Hepatology/Liver	Patient survey with regard to preferred snack options on wards 726/727	Actions included to provide a wider variation of snacks throughout the day for the patients.
Imaging	Audit of CD 244.4 (CP 11) EPP for Intravenous Administration of Diagnostic Radionuclides	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Imaging	Audit of CD 303.2 (CP113) EPP for Oral & Gaseous Administration of Radionuclides	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Imaging	CD ref: 264 (CP 36) EPP for MPI stress sessions	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.

Specialty	Audit Title	Actions
Imaging	Nuclear MPI Specificity	Increase awareness when recommending invasive angiography for cases where the only evidence for ischaemia is transient ischaemic dilatation. Greater caution when recommending invasive testing for cases where there is reversible ischaemia in the context of major artefact especially when percentage of myocardium involved is <10%.
Imaging	Adherence to the EPP for X-ray guided wire localisation of mammographically identified abnormality	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Maxillo-Facial Surgery	Audit of free flap surgery success rates in maxillofacial surgery	The audit demonstrated standards were being met therefore to continue with current practice. The results of the audit are due to be presented.
Metabolic Disease	A local audit of HbA1c control in Alstrom Syndrome patients	Alstrom Syndrome patient's treatment to be reviewed with the aim of reducing HbA1c levels. This should be done during future One-Stop Alstrom Syndrome clinics. A re-audit is due to take place to measure current practice against the set standard and measure any HbA1c level changes.
Neurology	Elective Lumbar Punctures: Are we doing the correct investigations?	Raise awareness of the issues; re-audit and if there is no improvement introduce standardised request forms.
Neurophysiology	Audit of EEG video telemetry referrals.	Further education during departmental induction and throughout neurology rotation and to devise and implement simple and user friendly VT referral form.
Neurosurgery	Operation time, difficulties and complications of cranioplasty following decompressive craniectomy	The results of this audit have been presented in the department of neurosurgery; recommendations include Cranioplasty procedures should be supervised by a Neurosurgeon Consultant, Dara substitutes should be used during the craniectomy procedure to facilitate shorter operation time for the following cranioplasty. A re-audit in 2 years is due to take place. The audit has also been presented in the SBNS meeting (national neurosurgical conference) in Southampton.
Neurosurgery	Gliomas - time from referral to admission at QEHB	The results of the audit were presented at the departmental neurosurgical meeting
Neurosurgery	853 Neuro CNS led clinic	Update protocol following discussion with key stakeholders, amending limitations to reflect audit results.

Specialty	Audit Title	Actions
Neurosurgery	Neurosurgical Admission documentation audit	A proforma is to be developed and introduced for patients being admitted to Neurosurgery to ensure all relevant information is being captured.
Neurosurgery	Comprehensive assessment of neurosurgical geriatric patients with subdural haematomas	Results to be presented at local neurosurgical meeting and will be presented at local geriatric meeting. To collaborate between neurosurgeons and geriatricians to plan for methods to improve care of geriatric neurosurgical patients. This will include development of a clerking proforma and discharge proforma for patients and improved education of junior doctors.
Nutrition and Dietetics	Audit of expanded practice protocol CD 269 (CP 41)	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Occupational Medicine	Pre-employment screening of health care workers for M. tuberculosis immunity	Recommendations included looking at trialling an appointment allocation system and put an alert of the system for those who have now attended within a certain time period. Managers should be informed for those who do not attend.
Oncology	Adherence to protocol 554: MPD nurse led clinic	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Oncology	Enoxaparin prescribing in new admissions	Actions include to ensure that methods of VTE prophylaxis being used are suitable and being used correctly. Information to be provided for patients about VTE prophylaxis.
Oncology	Drug storage audit	Overall drug standards were being met however there were a few empty cupboards identified; work is being carried out to determine an alternative use.
Outpatients	Audit of expanded practice protocol	To update protocol for K wire removal with relevant stakeholders, disseminate amongst staff and make it available on the intranet.
Pathology	How is antibiotic choice influenced by tissue culture result in diabetic foot disease?	The findings were presented at the grand round and also at the Microbiology Team meeting to ensure greater awareness and to familiarise staff with the grading system. Data from the audit has also been accepted for a poster presentation at the International Diabetic Foot Symposium in Holland.

Specialty	Audit Title	Actions
Pathology	Impact of electronic authorisation of pathology reports at the time of Dragon Dictation on TAT.	The audit was discussed with Office Manager and the findings will be discussed at the monthly secretarial staff meeting. Re-organization of routine office work, to further improve turn-around times and avoid delays will be discussed in the office meeting. Encouraging additional consultants to use voice-power dictation would reduce secretarial work-load and this would certainly further improve turn-around times. This is already being implemented and at least 3 additional consultants are being trained in voice power dictation.
Pathology	Audit of bone marrow trephine biopsy lengths at UHB	Following further discussions with Haematology clinicians it was decided to proceed with future bone marrow trephine biopsies using only the 8 gauge trephine needle rather than the 11 gauge needle. A re-audit is due to take place to see whether this change has in an improvement in the adequacy of bone marrow trephine biopsies.
Pathology	Urgent reporting of cardiac transplant biopsy	The audit demonstrated standards were being met therefore to continue with current practice.
Physiotherapy	Audit of Compliance of Physiotherapy Treatment with NICE CG88 for Non-specific Low Back Pain (2009)	There is good compliance with the standard with all areas achieving over 90% except for written information being provided to patients. There has been an overall improvement compared with previously.
Plastic Surgery	Adherence to protocol 261: micro-dermal pigmentation procedures	Update protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Plastic Surgery	Ortho-Plastic Extremity Surgery	To continue ongoing surveillance and monitoring although the results demonstrated high compliance
Radiology	Validity of MRI referrals for suspected stroke, headache and head injury	Actions include greater awareness regarding indications for MRI brain and MRI cervical spine in suspected stroke, headache and head injury among referring clinical teams and radiology teams. Where appropriate, better documentation of indications; including clinical details in the referral forms.

Specialty	Audit Title	Actions
Radiology	Urgent CT brain scans and lumbar puncture	To discuss the findings to Radiology Consultants and Registrars and inform them of the findings of this audit and discuss ideas for improvement. To also present the audit findings to the A&E and Acute Medicine teams to make them aware of current practice, education around the topic and obtain their viewpoint and input to discuss ideas for change.
Renal Medicine (Nephrology)	Rituximab for treatment of severe renal disease in ANCA associated vasculitis	The results of the audit demonstrated compliance therefore to continue with current practice.
Renal Medicine (Nephrology)	Audit of EPP for RN led management of peritonitis in PD patients	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Renal Medicine (Nephrology)	Audit of Adherence to EPP controlled document number 784	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Renal Medicine (Nephrology)	Tunnelled Line Audit 2013	Found that an effective service is being delivered. In a certain cohort of patients - tunnelled lines keep falling out - further analysis of this group is required. Not as many lines fall out as clinically suspected. There was a high % of lines being removed for primary lines dysfunction which needs a further sub analysis. The MSSA line infection rate may be related to pre-procedure anti-staph Rx and thus this needs further sub analysis.
Renal Medicine (Nephrology)	Audit of Adherence to EPP 868.1 Referral of patients for AVF formation etc. by renal Access Nurses	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Renal Surgery	Outcome of Renal Transplants	The findings were within expected incidence rate, to continue with current practice.
Reproductive & Sexual Health	Combined hormonal contraception and the risk of DVT: Does prescribing meet the FSRH standards	There were a few areas identified for improvement which include recording of obstetrics history, BMI and recording discussion on risks including signs of VTE. A re-audit is due to take place.
Reproductive & Sexual Health	Re-Audit: Provision of Depo-Provera®: Does the care meet FRS/ NICE Clinical Standards	Results of the audit showed significant improvement in compliance in all areas previously identified as underperforming. Staff reminded to continue to main high clinical care standards on Depo-Provera® injection provision.

Specialty	Audit Title	Actions
Respiratory Medicine	Audit of CD 527 EPP Respiratory Support Team Led Discharge	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Respiratory Medicine	Adequacy of Home NIV therapy	Recommendations following the audit are to introduce guidelines to suggest the use of these targets.
Respiratory Medicine	A clinical audit to investigate the follow up of COPD patients in a specialist respiratory clinic	The audit demonstrated standards were being met therefore to continue with current practice. To continue to disseminate guidelines for follow up to all SpR's attending the clinic and laminate a copy of the follow up criteria and make it available in the COPD clinic.
Rheumatology	Review of EPP 277 for Rheumatology RN to administer Methotrexate	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Rheumatology	Nerve Conduction Studies – referral practice of the Rheumatology department	The team are to explore options of electronic referrals to reduce delays and streamline the process. An electronic system is currently being looked.
Rheumatology	Raised ferritin tests requested by rheumatology consultants at QEH re haemochromatosis	The audit demonstrated standards were being met therefore to continue with current practice. The results of the audit are due to be presented.
Rheumatology	NICE guidelines and local Tocilizumab monitoring	Guidelines to be developed and be made available for all staff within the department.
Theatres	Audit of EPP for Dental Nurse as First Assistant	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Therapies	Audit in relation to CD 706 (CP 159) EPP for admin of steroid injections	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Therapies	Review of CD 321.2 Protocol for ESP referral for MRI	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Trauma and Orthopaedics	Adherence to protocol 841:limb reconstruction frames session	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Trauma and Orthopaedics	Reasons for delayed discharges in orthopaedic patients	To streamline the discharge planning process to avoid delays and to develop a personalised liaison between hospital staff and social services.
Trauma and Orthopaedics	Thromboprophylaxis Protocol Adherence following Neck of Femur Fractures	To continue education of junior doctors when rotating into the specialty.

Specialty	Audit Title	Actions
Trauma and Orthopaedics	Re-Audit of NOF Proforma Compliance	Increase awareness and importance of using and completing all fields within the proforma.
Trauma and Orthopaedics	Admission documentation in trauma & orthopaedic patients	A proforma is to be developed and introduced for patients being admitted to Trauma or transferred out to ensure all relevant information is being captured.
Trauma and Orthopaedics	Trauma theatre utilisation	Actions include to ensure first patient on the list is ready to be sent for once seen by anaesthetics. Night Registrar to have 1st patient on list marked, consented and booked. Night SHO and F1 to ensure bloods and investigations are complete.
Trauma and Orthopaedics	Reversal of INR in patients with neck of femur fractures & impact on time to surgery	Staff are reminded to follow the guidelines; these are to be incorporated into junior doctors induction packs.
Trauma and Orthopaedics	Correct application of TED stockings in Trauma Patients with hip fractures	Raising the awareness and importance of TED stockings postoperatively, both to Junior doctors and nursing staff alike through teaching sessions e.g. Junior Doctors induction program and departmental teachings. Encourage team members including nurses and junior doctors to play an active role regarding checks as per guidelines being done and properly documented
Trauma and Orthopaedics	NHFS outcome of neck of femur fracture patients.	A larger sample size was required. The data for the re-audit is currently being collected.
Trauma and Orthopaedics	Application and Removal form for Patients with Plaster of Paris or Syntetic Cast from A&E	To explore the option of incorporating the form on PICS - a reminder pop up window when admitting a patient from A & E to help achieve a higher standard of care. Provide additional junior staff teaching.
Trauma and Orthopaedics	Is there a delay in fitting TLSO braces?	Following the audit there is now an additional person working in the Orthotics department and spinal fracture clinic which will reduce delays.
Trust Wide/ Corporate	Supportive Mealtimes Audit	Audit to be discussed at the next NHSG meeting; results to be disseminated to group members. Results showed very little non urgent activity taking place at meal times.
Trust Wide/ Corporate	Audit of Drug Administration and Storage	To disseminate findings and develop action plans to improve drug storage and drug administration.
Trust Wide/ Corporate	Audit of expanded practice protocol for the verification of expected death by registered nurses	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.

Specialty	Audit Title	Actions
Trust Wide/ Corporate	Audit of CP 105 RN referral for CXR	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Trust Wide/ Corporate	Patient Internal Transfer Audit	Review transfer policies and procedures.
Trust Wide/ Corporate	Audit of CD297 Protocol for compression bandaging for venous leg ulcers by registered nurses	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Trust Wide/ Corporate	Audit of CD 298 Protocol for the assess of leg ulcers using Doppler to measure ABPI	Update expanded practice protocol following discussion with key stakeholders, amending limitations to reflect audit results.
Trust Wide/ Corporate	Band 5 development day customer care audit	Examples of good practice were observed. The results of the audit are to be sent to relevant ward managers, disseminate results to all staff at ward meetings and when new staff start, ensure all members of MDT are involved and ensure all staff are aware of the expected standards.
Urology	Pre-admission documentation of regular medication	Recommendations include to make a few alterations to the format of the pre-admission screening form, make amendments to the pre-op letter received by patients and also to provide further education sessions with pre-admission nurses focusing on prescription history taking and accurate recording.
Vascular Surgery	The incidence of non-prescription of aspirin and statin for PAD patients on discharge	All vascular disease patients with PVD operated on or not must have antiplatelets/ statins prescribed on PICS at the time of admission and entered on the discharge letter at the time of discharge. We provide secondary prevention with the use of aspirin, and/or clopidogrel and statin – to reduce further cardiovascular events. This is now part of a QUORU indicator.
Vascular Surgery	Carotid endarterectomy	Raise awareness by presenting audit data to vascular team. Improve pathways for getting patients operated on after initial symptom.
Vascular Surgery	Management of iliofemoral DVT	Actions include Sonographers to make suggestion to refer to Vascular team if iliofemoral DVT identified on the ultrasound. Design an appropriate referral pathway to the vascular team. Once referral is made, Vascular team to assess the patient and arrange appropriate radiological investigation.

Glossary

Word / term	Definition
AAGBI	Association of Anaesthetists of Great Britain and Ireland
ABG	arterial blood gas (ABG) is a blood test that is performed using blood from an artery
ABPI	Ankle brachial pressure index – a measure used to assess leg ulcerations
Alstrom Syndrome	A rare genetic disorder characterised by multi-organ dysfunction
ANCA	Anti-neutrophil cytoplasmic antibody -
Anti-TNF	A treatment in rheumatoid arthritis
ARVC	Arrhythmogenic right ventricular cardiomyopathy
AVF	Arterio-venous fistula
BAHA	A bone-anchored hearing aid (BAHA) or bone-anchored hearing device, is a type of hearing aid based on bone conduction
bHCG	A hormone present in the body when a woman is pregnant
BM	Blood sugar monitoring
BMI	Body Mass Index
CDU	Clinical Decision Unit
Clexane	See Enoxaparin
CNB	Central neuraxial blockade: local anaesthetic applied around the nerves of the central nervous system
CNS	Clinical Nurse Specialist
Congenital	A condition that a person is born with
CP	Care pathway
Craniectomy	A neurosurgical procedure that involves removing a portion of the skull in order to relieve pressure on the brain
Cranioplasty	Surgical repair of a defect or deformity of the skull
CXR	Chest x-ray
Dapsone	Antibiotic
Depo-provera	A branded progestogen-only contraceptive
DVT	Deep vein thrombosis (DVT) is a blood clot in one of the deep veins in the body.
Echocardiography	Use of ultrasound to look at the heart
ED	Emergency Department
EEG	Electroencephalography – a way of measuring brain activity using electrodes
Enoxaparin	Anticoagulant
ESP	Extended Scope Practitioner / Physiotherapist
Expanded Practice Protocol	A protocol that allows a nurse to carry out a specific procedure – it shows that they are trained, and competent to do so.
Ferritin	A protein found in cells that controls the release of iron
Fundus examination	Interior surface of the eye
FY1 / FY2	First and Second Year Doctors
G6PD	An enzyme, which when deficient can contribute to a type of anaemia
Gastrostomy	An artificial external opening into the stomach, usually for nutritional support

Word / term	Definition
GCS	Glasgow Coma Scale is a neurological scale that aims to give a reliable, objective way of recording the conscious state of a person for initial as well as subsequent assessment.
Glioma	A type of tumour found in the brain or spine
GUM	Genito-urinary medicine
Haemochromatosis	An accumulation of iron in the body
HbA1c	A form of haemoglobin that can be measured to monitor diabetic control
Hypercapnia / Hypercapnic	Elevated levels of carbon dioxide in the blood
Hyperglycaemia	Elevated levels of glucose in the blood
Ischaemia / ischaemic	A restriction in blood supply to tissues.
INR	International Normalized Ratio are measures of the extrinsic pathway of coagulation
IRMER	Ionising Radiation (Medical Exposure) Regulations
LOPD	Lung Outpatients Department
MDT	Multi-disciplinary team – a team made up of (e.g.) doctors, nurses, and therapists
Methotrexate	Methotrexate treats cancer by slowing the growth of cancer cells. Methotrexate treats psoriasis by slowing the growth of skin cells to stop scales from forming. Methotrexate may treat rheumatoid arthritis by decreasing the activity of the immune system.
Mexiletine	A drug used to treat heart arrhythmias
MND	Motor neurone disease causes a progressive weakness of many of the muscles in the body
MPD	Myeloproliferative disorder – a group of diseases where excess bone marrow cells are produced
MPI	Myocardial perfusion imaging - this uses a small amount of a radioactive chemical to create images. These images show how well blood flows to the muscle of the heart.
MSSA	Meticillin-sensitive Staphylococcus aureus is a type of bacteria (germ) which lives harmlessly on the skin and in the noses, in about one third of people
Myocardium	The muscle of the heart
NHFS	Nottingham Hip Fracture Score
NICE	National Institute for Health and Clinical Excellence
NOF	Neck of femur (part of the hip joint)
NPSA	National Patient Safety Agency
OGD	Oesophago-gastro-duodenoscopy, sometimes also called a gastroscopy
OPAL	Older Persons Assessment and Liaison. This is a therapy service for patients over 18 years of age.
PAD	Peripheral Artery Disease
PD	Peritoneal dialysis is a treatment for patients with severe chronic kidney disease
PE	A pulmonary embolism is a blockage in the artery that transports blood to the lungs
PEG	See Gastrostomy
PICS	Patient Information and Prescribing System – a UHB computer system for prescription and administration of drugs, recording of observations, making referrals, writing discharge letters.

Word / term	Definition
Proforma	A form, often for data collection.
Psoriasis	Psoriasis is a skin condition that causes red, flaky, crusty patches of skin covered with silvery scales.
PTNS	Percutaneous tibial nerve stimulation – used to treat some bladder conditions
PV Bleeding	Vaginal bleeding
PVD	Peripheral vascular disease
QuORU	Quality Outcomes and research Unit – a UHB group whose purpose is to agree the specification for, and oversee, the development and implementation of appropriate quality outcome metrics in each of UHB's specialties
Radionuclides	Also known as a radioisotope – used in certain Imaging procedures
RCN	Royal College of Nursing
Retic	Reticulocyte – immature red blood cell
Rituximab	Used to treat conditions such as lymphoma, leukaemia and transplant rejection
RN	Registered Nurse
RSH	Reproductive and Sexual Health Service
Scaphoid	Part of the wrist
Seroma	A pocket of clear serous fluid sometimes develops in the body after surgery
SEWS	Standardised early warning system scores allocated for each clinical observation
SHO	Senior House Officer
Sotalol	A drug used to treat heart arrhythmias
Stapes	A bone in the ear involved in detecting sound
Subdural haematoma	A bleed on the outside of the brain
TED	Thromboembolic disease
Tocilizumab	Tocilizumab is used to treat rheumatoid arthritis
Tranexamic acid	A drug used to treat or prevent excessive blood loss
UHB	University Hospitals Birmingham
Vasculitis	Inflammation of the blood vessels
VBG	Venous blood gas
Wells score	Used to estimate the chance of a patient developing a VTE / PE

Definitions from Wikipedia, dictionary.com, medilexicon.com, the free dictionary.com, rcn.org.uk, drfosterhealth.co.uk, businessdictionary.com