

University Hospitals Bristol



NHS Foundation Trust



# Clinical Audit Annual Report

2007/2008

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## Public summary

Clinical Audit is a quality improvement tool used widely in the National Health Service. It involves doctors, nurses and other healthcare professionals agreeing the best way to treat patients (e.g. the most appropriate choice of treatment; the way it should be given; the right time for it to be given; and so on), and then collecting data - usually from patients' medical records, or sometimes from electronic databases - to find out whether or not they are doing the things they said they would do. If the clinical audit results show that there is room for improvement, an action plan will be agreed. Please be assured that when clinical audits are carried out, the data is anonymised, i.e. individual patients are not identified on data collection tools or in project reports.

During the financial year 2007/8, there were around 450 clinical audits taking place in our hospitals. These projects represent a mixture of national work which the Healthcare Commission (the 'Governance health watch dog') asks us to participate in, and a range of other audits agreed within our Trust. For example, when the National Institute for Clinical Excellence (NICE) publishes its recommendations about which drugs and treatments should be available on the NHS, we usually set up clinical audits to check that we are following those recommendations properly.

Some Clinical Audits simply confirm that we are doing the right things; but others reveal a need for us to make improvements. The Clinical Audit Annual Report for 2007/8 includes a number of pages (ordered by Clinical Division) listing changes and benefits brought about by our clinical audit activity in the past year.

We are always interested to discuss ideas for developing patient and public involvement in our clinical audit programmes. The University Hospitals Bristol became a Foundation Trust this year, and a number of its new Members have expressed an interest in finding out more about clinical audit activity: one of the challenges for the year ahead will therefore be how we establish and develop this relationship.

If this report raises any points of interest that you would like to pursue, please feel free to contact Chris Swonnell at UHBristol Headquarters, Marlborough Street, Bristol BS2 8HW, or email [chris.swonnell@uhbristol.nhs.uk](mailto:chris.swonnell@uhbristol.nhs.uk)

### **3 Introduction from Chairman of Clinical Audit Committee**

Clinical Audit continues to make an important contribution to the care of our patients. The annual report for 2007/2008 shows that last year 451 projects were undertaken across the Trust involving medical and nursing staff, and allied health professionals. Participation in national audits has been a priority again this year together with audits of practice against nationally agreed standards. The programme has also incorporated work prioritised by clinical teams. The Clinical Audit Committee is keen to maintain this balance. It is very pleasing to note the upward trend in the proportion of completed projects with a registered action plan which has now reached 90%.

This year, arrangements for supporting medical student involvement in audit projects have been strengthened and formalised. This is an important investment in the future and students have already made a valuable contribution to our audit programme. Review of operational definitions used within Clinical Audit, Research & Development and Service Improvement has stimulated lively discussion and has led to the piloting of a Service Evaluation database.

There have been a number of important changes of personnel this year. In April, Dr Jeremy Braybrooke stepped down after three years as the Chair of the Clinical Audit Committee. On behalf of the members of the Committee I would like to thank him for his skilful leadership. His firm but gentle approach has seen clinical audit continue to flourish. I would like to thank all the Convenors whose dedication to promoting clinical audit activity is so important to our success. I would also like to thank Eleanor Bird who has left the Clinical Audit Team after almost a decade to enable her to devote time to her young family: her extensive knowledge and experience have strengthened the Clinical Audit programme in recent years and we are very grateful to her. Congratulations go to Stuart Metcalfe who has taken over the role of Assistant Clinical Audit Manager. Stuart will be supported by our Clinical Audit Facilitators who provide the crucial link to the clinicians. It is their knowledge, enthusiasm and tenacity that provide the clinical teams with the support needed for their projects. Thanks must go once again to Chris Swonnell for his continued work to promote clinical audit and link this with the wider governance agenda.

The year ahead will bring new challenges for us all. The Department of Health has already signalled an intention to re-invigorate clinical audit and the Royal Colleges have been asked to examine the ways in which participation in clinical audit may link to consultant revalidation. The recently published Darzi report proposes that each Trust will produce a report on the quality of the care it provides. It is reasonable to assume that clinical audit will form an important part of this quality report. Our recently awarded Foundation Trust status will give us new opportunities for patient and public partnership within the Clinical Audit programme and a restructuring of the governance arrangements will allow us to strengthen the links between Clinical Audit and Clinical Effectiveness.

Finally, I would like to end my report for 2007/8 by noting that this year saw the publication of the 10<sup>th</sup> annual report on Cardiac Surgery outcomes – fittingly celebrated with a keynote presentation at the national Clinical Audit 2008 conference.

**Carol Inward**  
**Chair of the Clinical Audit Committee**

## **2. Report from the Assistant Director of Audit and Assurance**

### **3.1 Clinical Audit Team**

Clinical audit at UHBristol is supported by a team of 8.5 whole time equivalent staff who are employed by the Trust Services Division but mostly based in the Clinical Divisions. Further support is provided by a number of other staff who are employed by the Clinical Divisions with a specific remit for clinical audit (in Radiology, Cardiac Services, Homeopathy and also Paediatric Intensive Care). Full details are shown in Appendix A.

2007/8 was another challenging year in terms of team management. Eleanor Bird (Assistant Clinical Audit Manager) returned from maternity leave in August 2007 on a reduced three day week. Later, in April 2008, Eleanor decided to leave the Trust to dedicate more time to her young family. We wish Eleanor well and thank her for her contribution to clinical audit, both at Trust Headquarters and also in her previous role at St Michael's Hospital.

Since the end of 2007/8 financial year, Stuart Metcalfe has been appointed to the post of Assistant Clinical Audit Manager. The decision was taken to return the Assistant Manager to a full-time post, supporting the Assistant Director for Audit & Assurance. As a consequence, the decision was also taken to reduce Stuart's previous post in Surgery Anaesthesia and Critical Care to 0.8 whole time equivalent.

Elsewhere during the last year, Joscelin Miles (Clinical Audit Facilitator for St Michael's Hospital) went on a thirteen month career break. Richard Hancock, formerly Clinical Audit Manager at Burton Hospitals and the South West Cancer Intelligence Service, was appointed to cover Jos' absence. An extension to Jos' career break was later agreed (until 2010) and the decision was then taken to appoint Richard on a permanent basis.

Finally, towards the end of the financial year, a decision was taken to create a new Clinical Audit Facilitator post in Cardiac Services. This post will be jointly funded between Trust Services and the Division of Specialised Services. The intention is to focus on the reinvigoration of local clinical audit activity in Cardiac Services, and to free up David Finch's time to concentrate on managing the large national cardiac audit datasets.

### **3.2 Clinical Audit Committee**

The Clinical Audit Committee (CAC) met 5 times in 2007/8. Meetings enable discussion of core business, i.e. Annual Forward Plans, quarterly progress reports, the Clinical Audit Annual Report and the Healthcare Standards Declaration (in particular for Core Standard C5d).

The following members joined CAC in 2007/8: Dr Robert Marshall (Medicine), Mr Gavin Murphy (Cardiac Surgery), Ms Cathy Williams (Ophthalmology) and Dr Stephen Marriage (Children's Services). Since the end of the financial year, Dr Rachel Liebling has also become Convenor for Women's Services.

Finally, in 2008 Dr Carol Inward was appointed as the new Chair of Clinical Audit Committee. As well as chairing the Committee, Dr Inward will also assume a new role as Convenor for Trust-wide audit projects, for which the Assistant Clinical Audit Manager will act as facilitator.

A full list of clinical audit convenors is shown in Appendix A.

### **3.3 Standards for Better Health**

In 2007/8, the Trust declared compliance with Healthcare Standards C5d ('the clinical audit standard'). The key markers used by CAC to advise the Medical Director in favour of a declaration of compliance were the Trust's wide-ranging participation in national clinical audits, and consistent evidence of clinical audit activity across the Trust's clinical specialties. During 2008/9, evidence of compliance will continue to be reviewed on a quarterly basis.

### **3.4 Financial Information**

In 2007/8 the corporate Clinical Audit budget was around £330k, the majority of which was spent on staff costs. It was subsequently agreed that £15,000 of the projected 2008/9 budget would be sacrificed as a CRES saving (following £15k CRES in 2007/8).

### **3.5 Forward plan for 2008/9**

Each year, clinical specialties are required to put together a forward programme of planned clinical audit for the coming year. These plans set out priority projects, based on considerations such as anticipated NICE guidance, national clinical audits, etc. The forward programme for 2008/9 can be found in Appendix E. In addition to these projects, other audits may be undertaken during the year on an ad-hoc basis, together with any projects still in progress from the previous year.

### **3.6 Other matters**

- As a result of the collaborative work undertaken on definitions with the Trust Research & Development Manager and the Head of Innovation, the Assistant Director took the decision to establish a new Service Review database. The SR database currently exists primarily for the benefit of the Clinical Audit Team, i.e. to register projects which clinical audit facilitators might support, but which do not conform to the traditional clinical audit cycle. For example, pre-audit activity is now registered on the SR database. It should also be noted that some ongoing data collection exercises previously classified as clinical audit, will in future be listed on the SR database. During 2008/9 a wider debate about governance structures for service evaluation activity will need to take place.
- The previous Trust Clinical Audit Strategy (2005) was updated and relaunched in December 2007 as the Clinical Audit Policy. This document sets out the Trust's vision for clinical audit and draws together previous policy work on areas of practice such as national audits; supporting medical students in clinical audit; the code of practice for clinical audit staff; and so forth.
- Patient involvement in clinical audit continues to be a challenge. The problem with trying to benchmark practice against peer Trusts is that everyone works to slightly different definitions, e.g. UHBristol does not classify patient satisfaction surveys as clinical audit – if we did, our patient involvement statistics would look much better! The challenge for 2008/9 will be to develop a meaningful dialogue with the new Foundation Trust Membership and its Council.
- There has been a noticeable lack of interface audit in 2007/8. In 2008/9 we anticipate a closer working relationship with the local Primary Care Trust: both via its Commissioning arm (and specifically the NICE College) but also hopefully in terms of jointly managed projects across the interface.
- At one point during 2007, the Trust's clinical audit internet site was the most popular clinical audit 'hit' on Google. The site has recently been relaunched and continues to provide helpful guidance and resources including 'How to' guides. A decision has recently been taken to move the South West Audit Network internet pages from UHBristol's site and to re-house them with NAGG (the National Audit & Governance Group – a national peer group for clinical audit managers)
- Finally, the Assistant Director has continued to be closely involved with NAGG. The year 2008/9 has begun with a restructuring on national leadership arrangements and the transfer of responsibility for the national clinical audit programme from the Healthcare Commission to the new Healthcare Quality Improvement Partnership (HQIP). Meetings have already taken place to strengthen the role of NAGG and its relationship with HQIP. The year ahead promises to be a challenging and exciting one for clinical audit staff, with opportunities to influence future plans and directions.

**Chris Swonnell**  
**Assistant Director of Audit and Assurance**  
**(Clinical Audit Manager)**

**July 2008**

### 3 Project Reports for 2007/2008

#### 3.1 NICE & National Service Framework audits, National Audits and NPSA Audits

The table below provides a quick reference guide to finding information about the Trust's participation in national audit projects, audits of National Institute for Clinical Excellence (NICE) and National Service Framework (NSF) guidance, and National Patient Safety Agency (NPSA) audits.

<b>Audits of NICE/NSF guidance</b>									
577	733	821	824	893	914	1155	1276	1445	1448
1491	1499	1514	1516	1539	1541	1543	1546	1554	1562
1571	1579	1594	1613	1633	1637	1638	1665	1667	1678
1681	1688	1691	1696	1700	1714	1717	1723	1730	1744
1768	1770	1772	1776	1802	1809	1812	1816	1821	1831
1841	1859	1862	1864	1866	1874	1876	1880		
<b>National Audits</b>									
116	160	207	223	537	549	550	809	946	947
982	1142	1296	1445	1546	1554	1574	1578	1593	1761
1765	1768	1819	1841						
<b>NPSA Audits</b>									
1433	1721	1761	1913						

There are a number of other 'national audits' in which UHBristol participates, but which are not managed through the Clinical Audit Team (this will usually be where the 'audits' are large-scale data collection exercises, rather than genuine clinical audit): These projects currently include:

- DAHNO (Head & Neck Oncology data)
- LUCADA (Lung Cancer data)
- SCTS (Thoracic Surgery data)
- National Bowel Cancer Audit
- Carotid Endarterectomy Audit
- National Oesophago-Gastric (stomach) Cancer Audit and Outcomes Project
- Mastectomy and Breast Reconstruction Audit
- National Neonatal data set
- National Audit of Paediatric Resuscitation
- National Audit to Assess and Improve Services for People with Inflammatory Bowel Disease
- National Audit of Major Complications of Spinal and Epidural Anaesthesia
- Surgical Site Infection Surveillance
- Safer Patient Initiative

## 3.2 Introduction to Divisional Reports

### 3.2.1 Introduction & explanation of statistics

All project information for this report is taken from the UHBristol Clinical Audit Project Management Database. The statistics and list of projects are based on the number of audits in progress during the financial year 2007/8. This includes projects started in previous years (2006/7 roll-overs) and projects completed in 2007/8. It does not include projects abandoned during the year or those with a status of 'deferred' at the end of the financial year - for details of these, please see Appendix B / Appendix C. Audits started in 2007/8 are defined as those that first appeared in a progress report in that financial year (i.e. Sept 2007, November 2007, February 2008 or April 2008 reports).

Projects are listed by Division. Appendix A gives details of the clinical audit staff supporting divisions/specialties.

#### **Definition of terms:**

**Re-audit:** The repetition of an audit project in order to measure whether practice has improved since the initial audit

**Ongoing (continuous) audit:** The continuous collection of data in order to measure practice. Ongoing audit should involve regular review of data and implementation of changes in practice (where necessary) in order to improve performance

**National:** Denotes national audits, e.g. Healthcare Commission National Audits, Royal College and other professional bodies' national audits

**Regional:** This relates to audits carried out across the local health community

**Interface:** Audit of care across organisational boundaries in the patient pathway, e.g. patient referrals in from primary care to UHBristol

**Multi-specialty:** Involving a specialty/specialties other than the specialty under which the project has been registered

**Multi-professional:** Involving more than one profession (e.g. nurses and doctors)

**Projects with patient involvement:** Patients/carers involved in one or more of the following: identification of audit topic; developing audit idea/project design; carrying out audit project; receiving audit results

### 3.2.2 Comment on data in table 3.2.3

The total number of registered projects in 2007/8 is broadly consistent with 2006/7 (451 compared to 479 the previous year). The balance of activity, e.g. re-audits, national projects, etc, is also consistent. There appears to have been a decrease in the proportion of audits being undertaken on a multi-professional basis: something which facilitators have been asked to give attention to in 2008/9. The re-audit rate of 24% reflects what we would hope to see. Elsewhere more projects are now being formally signed off before they commence, and there has been a significant improvement in action planning following review of audit data. This year 6% of projects included patient involvement, down from 10% in 2006/7. Disappointingly, there has been almost no interface audit activity with primary care during 2007/8 (also see comment in Assistant Director's report).



### 3.2.3 Summary 'dashboard' of indicators

	Total number of projects *	Ongoing (continuous) audits	First audits	Re-audits	Audits of NICE / NSF guidance	National	Regional	Interface	Multi-specialty	Multi-professional	Projects with patient involvement	Completed projects	Action Plan produced	Confirmed best/acceptable practice #	Report produced
Diagnostic and Therapy	50	4%	94%	6%	14%	2%	0%	0%	34%	52%	8%	27	85%	11%	93%
Medicine	66	5%	73%	27%	14%	3%	6%	0%	9%	14%	3%	45	96%	2%	93%
Specialised Services	63	14%	94%	6%	25%	10%	2%	0%	11%	29%	11%	26	88%	4%	92%
Surgery and Head and Neck	131	4%	61%	39%	7%	2%	2%	2%	29%	37%	8%	62	85%	8%	94%
Women and Children's	137	8%	77%	23%	12%	9%	5%	0%	24%	36%	4%	65	82%	12%	82%
Non-division specific	4	50%	100%	0%	0%	0%	0%	0%	75%	75%	0%	1	100%	0%	100%
<b>TOTAL</b>	<b>451</b>	<b>7%</b>	<b>76%</b>	<b>24%</b>	<b>13%</b>	<b>5%</b>	<b>3%</b>	<b>0%</b>	<b>23%</b>	<b>34%</b>	<b>6%</b>	<b>226</b>	<b>87%</b>	<b>8%</b>	<b>90%</b>

\* In progress or completed during the year. All percentages are based on this total, apart from those in the last 4 columns which are based on only those audits completed during the year.

# **please note:** this statistic applies only to projects where an action plan was not produced, i.e. there will also have been a number of projects which produced an action plan, but where practice was nevertheless identified as being of an acceptable standard.

### 3.3 DIAGNOSTIC & THERAPY

#### SUMMARY FIGURES

	2006/7 roll-overs <<	24	(includes 3 subsequently abandoned and 1 deferred – see Appendix B and C)
Audits first registered in 2007/8	First audits <b>A</b>	28	
	Re-audits <b>R</b>	2	
	Ongoing monitoring projects <b>O</b>	0	
<b>Total number of audits</b>		<b>50</b>	
Completed audits		27	
Current (uncompleted) audits carried forward >>		23	(includes 2 ongoing monitoring projects)

The project list below details audits that are led by Diagnostic & Therapy staff and are not related to any specific clinical division. Other audits led by, or otherwise involving, Diagnostic and Therapy staff are listed under the clinical division to which they pertain and, where possible, cross-linked via the table below the list of projects registered within this division.

#### PROJECT LIST

The “No.” refers to the registration number of the project on the Audit Project Management Database

**X** indicates the audit is of the type specified

Ref	Provisional Title of Project	Name	<<	A	R	O	>>
<b>Specialty: Laboratory Medicine</b>							
Sub-Specialty: Clinical Biochemistry							
893	Routine Preoperative Tests For Elective Surgery	Anna Barton, Paul Thomas	X	X			
1308	Audit of error rate on General Practitioners request entry	Nicola Marden, Paul Thomas	X	X			
1557	Cholesterol levels in patients with cardiovascular disease	Jessica White	X	X			
1579	Monitoring of trace elements in outpatients on total parenteral nutrition	Jessica White	X	X			
1647	Screening of relatives for Familial Hypercholesterolemia	Charlotte Dawson		X			
Sub-Specialty: Histopathology							
1060	Audit of Periocular Basal Cell Carcinoma	Mohammed Sohail	X	X			
1114	Audit of Testicular Tumour Reporting at the Bristol Royal Infirmary November 2001-4	Mohammed Sohail	X	X			
1727	An audit of breast core biopsy reporting	Gordon Reid		X			
1777	Histological reporting of ovarian cancer against Royal College minimum dataset	Joya Pawade, Nahida Banu		X			X
1781	Histopathology reporting of head and neck carcinomas	Miranda Pring		X			
1825	Histopathological Reporting of Borderline Ovarian Tumour	Joya Pawade		X			X
Sub-Specialty: Infection Control							

733	Infection Control Ward/Department audit	Michelle Lindsay	X	X		X	X
992	Are all Trust employees complying with the Infection Control Hand Hygiene Policy?	Carly Hall, Stephanie Carroll	X	X		X	X
Sub-Specialty: Laboratory Haematology							
1762	Retrospective audit of prescribing practice of Fresh Frozen Plasma in the Trust	Josephine Crowe		X			X
1813	Antenatal Haemoglobinopathy request entry	Sharif Goolam-Hossen		X			X
1888	Retrospective six month audit of the incidence of rejected group and save samples received by Trust blood transfusion laboratory	Elizabeth Worsam		X			X
Sub-Specialty: Microbiology							
1887	Audit on standards of documentation, appropriateness of microbiological advice on positive Gram-negative blood cultures	Isabel Baker		X			X
<b>Specialty: Medical Physics &amp; Bioengineering</b>							
446	Audit Of Precision Intracranial Radiotherapy in the Trust	Cathy Hall, Hugh Newman	X	X			
Sub-Specialty: Vascular Studies							
914	Diagnosis and Treatment of Pseudoaneurysm	Teresa Robinson	X	X			X
1685	Pre cardiac surgery carotid artery duplex and management of patients with significant carotid disease.	Eleanor Walker		X			X
<b>Specialty: Nutrition &amp; Dietetics</b>							
1491	Audit of Oral Nutrition Support Practices at Bristol Royal Infirmary	Toni Osmane	X	X			X
1732	Audit of dietetic treatment of adults with coeliac disease	Megan Gallagher		X			
1737	Prescribed oral nutritional supplements at Bristol General Hospital	Julie Barker			X		X
<b>Specialty: Occupational Therapy</b>							
1756	Audit of Occupational Therapy Stroke Service	Bronagh Martin, Kelly O'Leary		X			X
1798	Occupational Therapy Documentation Audit	Scott Allan		X			
1799	Occupational Therapy Home Visit Audit	Scott Allan		X			X
<b>Specialty: Pharmacy</b>							
1433	Safe use of oral methotrexate	Sarah Hepburn	X	X			
1516	The use of MR dipyridamole and clopidogrel in ischaemic stroke and Transient Ischaemic Attack patients	Andriani Mastora	X	X			
1564	New UHBristol adult unfractionated heparin infusion regimen and monitoring protocol	Claire Wilcox	X	X			
1573	Does Antibiotic Prescribing Adhere to Trust Guidelines?	Elizabeth Jonas	X	X			

1729	Intravenous to oral antibiotic switch guidelines in the Division of Medicine	Elizabeth Jonas		X			
1731	Prescribing of restricted antibiotics	Elizabeth Jonas		X			X
1797	Audit of Trust outpatient anticoagulant service	Maeve Savage		X			X
<b>Specialty: Physiotherapy</b>							
1667	Falls Programme in the William Lloyd Unit	Catherine Sims, Linda Clark		X			X
1747	Upper Limb Rehabilitation Following Stroke	Marianne Mardon		X			X
1783	An audit of Physiotherapy Case Notes	Linda Clarke		X			
<b>Specialty: Radiology</b>							
1833	Audit of time elapsed between urgent referral and the performance of Barium Enema for suspected colorectal cancer	Jim Virgee		X			
982	Audit of Percutaneous Nephrostomy	Julian Kabala, Sally King	X	X			X
1863	Audit of repeat radiographs under new computed radiography system	Huw Roach, Suzanne Walsh		X			
Sub-Specialty: Breast Screening Unit							
1630	Avon Breast Screening Unit of further investigation referrals to Bath Breast Unit	Elisabeth Kutt, Philippa Castell	X	X			
1865	Audit of attendance rate for Breast Screening	Suma Chakrabarthi		X			X
Sub-Specialty: CT							
1796	Audit of IV access on patients for Acute CT Scanner.	Matthew Prentice		X			
1807	Irradiation of the Lens of the eye in Head CT	John Hughes		X			
1845	Exposure of the lens to ionising radiation during CT head scanning	Adam Wallis			X		X
Sub-Specialty: Emergency Dept Radiology (Adult)							
1632	Audit of Accident & Emergency Reporting Jan 07 & Oct 07	James Harding	X	X			
Sub-Specialty: Paediatric Radiology							
1320	Re-audit of non-operative intussusception reduction	David Grier	X		X		
1575	The Introduction of a Radiographer's Image Interpretation Form as an Addendum to the Red Dot.	Donna Dimond	X	X			
1834	Audit of the importance and usefulness of radiographs of the fore-foot (toes excluding hallux)	Jo Reader		X			X
Sub-Specialty: Radioisotopes							
1795	Audit of Radiographer completion of extra information forms for bone scan patients.	Charles Wakeley, James Harding		X			

Specialty: Speech & Language Therapy (Adult)						
1883	Management of adult dysphagia patients	Anna Daniell		X		X

**Staff in this Division also participated in the following audits, listed under other Divisions/Specialties:**

Division listed under	Ref	Provisional Title of Project	Participating specialties from this Division
Medicine	1868	Audit of Turnaround Times for Dermatology Histopathology Specimens (Joint dermatology and histopathology audit)	Laboratory Medicine
Specialised Services	1879	Radiotherapy to reconstructed breast	Medical Physics & Bioengineering
Specialised Services	1843	Off-protocol chemotherapy prescribing	Pharmacy
Specialised Services	1714	Do older patients with AF receive appropriate anticoagulation or antiplatelet treatment according to NICE?	Pharmacy
Specialised Services	1866	An Audit of Drug Therapy in the Secondary Prevention of Myocardial Infarction	Pharmacy
Surgery and Head and Neck	1835	Culture positivity rate and documentation of microbial keratitis at Bristol Eye Hospital - re-audit	Laboratory Medicine
Surgery and Head and Neck	1467	Audit of ENT blood transfusion service	Laboratory Medicine
Surgery and Head and Neck	1231	MRSA audit	Laboratory Medicine
Surgery and Head and Neck	1744	Nutritional assessment of patients with head and neck cancer and adherence to NICE guidelines	Nutrition & Dietetics
Surgery and Head and Neck	1559	An audit of antibiotic prescriptions on Surgical wards	Pharmacy
Surgery and Head and Neck	1913	Safe administration of epidural medicines - NPSA Safety Alert 21	Pharmacy
Surgery and Head and Neck	1735	A re-audit of the patient pathway from GP referral to treatment decision and then to start of treatment for patients with upper GI cancer	Radiology
Surgery and Head and Neck	1705	Are plain X-rays being appropriately requested prior to discharging patients in the Trauma and Orthopaedic Department	Radiology
Surgery and Head and Neck	1561	An audit of clinical outcomes in patients with pancreatic adenocarcinoma undergoing Percutaneous Transhepatic Cholangiography	Radiology
Surgery and Head and Neck	1436	An audit on emergency Nephrostomy timing	Radiology
Surgery and Head and Neck	1550	The quality of x-rays used for peri-operative planning in limb reconstruction surgery	Radiology
Women's and Children's	633	Audit of blood usage on Central Delivery Suite	Laboratory Medicine
Women's and Children's	1765	The management of gestational trophoblastic disease	Laboratory Medicine
Women's and Children's	1663	An audit of consent for fetal post-mortem.	Laboratory Medicine
Women's and Children's	1839	Audit into the management of women at high risk of preterm labour through the preterm labour clinic	Laboratory Medicine
Women's and Children's	1565	Is performing bronchoscopy and endobronchial biopsy in children with difficult asthma worthwhile?	Laboratory Medicine
Women's and Children's	1546	National Institute for Clinical Excellence - Guidance on the diagnosis and management of the epilepsies in children in secondary care	Medical Physics & Bioengineering
Women's and Children's	1846	An audit of glomerular filtration rate practice within the Paediatric Oncology Department	Medical Physics & Bioengineering

Division listed under	Ref	Provisional Title of Project	Participating specialties from this Division
Women's and Children's	1827	Audit of management of patients' undergoing external fixation from pre - admission to three months post discharge	Occupational Therapy
Women's and Children's	1546	National Institute for Clinical Excellence - Guidance on the diagnosis and management of the epilepsies in children in secondary care	Pharmacy
Women's and Children's	1827	Audit of management of patients' undergoing external fixation from pre - admission to three months post discharge	Physiotherapy
Women's and Children's	1882	Current management of congenital talipes equinovarus (CTEV)	Physiotherapy
Women's and Children's	1391	Audit of physiotherapy management of stress urinary incontinence (SUI)	Physiotherapy
Women's and Children's	1502	Re-audit of the management of placenta praevia	Radiology

### Summary of benefits, actions or changes achieved in 2007/8

- 1060 - Created greater awareness of clinical parameters regarding adequacy of excision margin for periocular basal cell carcinoma.
- 1114 - A local proforma was developed which incorporated the Royal College of Pathologists' minimum dataset for reporting testicular tumours and other important parameters.
- 1320 - This audit confirmed that our successful reduction rate for non-operative intussusception remains above the national recommendations.
- 1516 – Medical staff were educated regarding the use of MR dipyridamole and clopidogrel in ischaemic stroke and transient ischaemic attack patients (NICE TAG 90). If a deviation from the guidance occurs, the reason should be documented in the medical notes.
- 1557 - Results were communicated to Primary Care with the intention of improving the frequency of cholesterol measurements for high risk patients.
- 1564 - Heparin infusion regimen chart will be updated when the present stock is finished. Doctors are expected to calculate the actual heparin dose.
- 1573 - Prescribers are encouraged to follow antibiotic prescribing guidelines and to document reasons for non-compliance, review dates or course lengths in the casenotes.
- 1579 - A new form for keeping track of frequency of trace element measurements was developed and will be kept in patients' folders. The new practice should lead to more rational use of trace metal analysis for patients on total parenteral nutrition.
- 1630 - Overall reinvestigation rates are low (i.e. good), however by altering protocols slightly we can further reduce reinvestigation rates. This will have the added benefit of helping achieve the 62 day target
- 1632 - Verification routines for Accident and Emergency radiology reporting have been revised and implemented.
- 1647 - Led to the development of improved patient information about the importance of early screening of first-degree relatives of patients with familial hypercholesterolaemia.
- 1727 - The B coding system for reporting breast core biopsies was implemented and the reports will be reviewed at a multidisciplinary team meeting.
- 1729 - Prescribers are encouraged to complete the switch to oral antibiotic therapy if eligible. Laminated copies of the intravenous to oral antibiotic switch guideline have been provided for each ward.
- 1732 - The 'coeliac annual review' form has been updated to include all relevant information required for adults with coeliac disease.
- 1781 - This audit introduced the Royal College of Pathologists minimum dataset into Histopathology reports and ensured surgeons are aware of important information for head and neck carcinomas.
- 1783 - Core assessment sheets were updated within physiotherapy teams and additional training provided. Required standards of documentation in casenotes were included in induction packs.
- 1798 - Occupational Therapy documentation sheet was revised and printed on green paper. The OT Induction Process was updated to ensure new staff receive the correct information on how to complete the notes.

- 1795 - Significant improvement was required in completion of the extra information forms for bone scan patients. Identifying the injection site and giving additional information is often of significant diagnostic clinical importance.
- 1796 - This study highlighted the need to ensure all relevant patients have a working venflon in situ when attending for computerised tomogram (CT scan): the recorded delays in scanning time would have allowed for four further cases to be performed within the time of the study.
- 1807 - Improved irradiation techniques for the lens of the eye in head CT have been implemented.
- 1863 - There has been a reduction in repeat radiographs comparing pre- and post-computed radiography (CR). Reiteration required regarding extra diligence with positioning and exposure factors when using CR Systems.

### 3.4 MEDICINE

#### SUMMARY FIGURES

2006/7 roll-overs <<		29	(includes 4 subsequently abandoned and 1 transferred to SR database – see Appendix B and D)
Audits first registered in 2007/8	First audits <b>A</b>	29	
	Re-audits <b>R</b>	13	
	Ongoing monitoring projects <b>O</b>	0	
<b>Total number of audits</b>		<b>66</b>	
Completed audits		45	
Current (uncompleted) audits carried forward >>		21	(includes 3 ongoing monitoring projects)

#### PROJECT LIST

The "No." refers to the registration number of the project on the Audit Project Management Database  
**X** indicates the audit is of the type specified

Ref	Provisional Title of Project	Name	<<	A	R	O	>>
<b>Specialty: Emergency Department (Adult)</b>							
1343	Re-audit of the ED chest pain protocol	Darren Heddington	X		X		
1439	Band 5 Triage nurse x-ray requests	Sallyann Miller	X	X			
1452	Management of patients presenting to ED with acute anterior dislocation of the shoulder	P J Cowburn	X	X			
1486	Use of augmentin in the emergency departments	Rebecca Thurtle	X	X			
1517	Management for Hip Prosthetic Dislocations in A&E	Sukhdeep Gill	X	X			
1673	Management of Alcohol withdrawal in the Emergency Department	Ben Greateorex		X			
1677	Pain management in the Observation Unit (Re-audit)	Clare Carter-Jones			X		
1678	Management of Dyspepsia in the Bristol Royal Infirmary Emergency Department	Chris Chubb		X			X
1684	Management of deliberate Self Harm Patients on Bristol Royal Infirmary Emergency Wards	Tim Rollinson		X			
1701	An audit to investigate the management of patients suffering severe head trauma within the first four hours in the emergency department	Vishal Nathwan		X			
1702	Procedural sedation in the Emergency Department	Hannan Brown			X		
1707	Management of patients with Anaphylaxis in A&E.	Owen Jones		X			
1709	Management of whiplash with specific relevance to use of c-spine x-rays and collars.	Nicholas Roberts		X			
1725	Audit on Accident and emergency management of suspected acute appendicitis	Richard Lee-Kelland		X			



1726	Initial fracture management in Bristol Royal Infirmary emergency department	Fouad Ragi		X			
1740	An audit of the management of STEMI's presenting in the Emergency Department	Daniel Towie		X			X
1778	Paracetamol Overdose Audit (Re-audit)	Liz Lawrence			X		X
1779	Re audit of Fractured Neck of Femur Management in ED	Natalie Whitton			X		
1810	AUDIT OF TRANSIENT ISCHAEMIC ATTACK (TIA) MANAGEMENT IN ED	Joshua Allerton		X			
1873	Re-Auditing Goal Directed Therapy for Severe Sepsis in ED	Sophie Scutt			X		X
<b>Specialty: Medical Specialties</b>							
Sub-Specialty: Dermatology							
1529	TL-01 phototherapy for patients with guttate and chronic plaque psoriasis	Debbie Shipley	X	X			
1566	Management of patients prescribed Isotretinoin	Emily McGrath	X	X			
1644	Audit of the use of curettage and electrodesiccation for the treatment of basal cell carcinoma.	Katie Lacy		X			
1645	Audit of follow-up of patients with malignant melanoma.	Katy Lacy		X			
1676	Outpatient follow ups in dermatology	Lindsay Shaw		X			
1773	Management of Squamous Cell Carcinoma (SCC) with BAD Guidelines Audit	Adam Bray		X			
1823	Management of urticaria and angioedema in adults	Mohamed Alrawi		X			X
1824	Management of incompletely excised basal cell carcinomas	Helen Whitley		X			X
1868	Audit of Turnaround Times for Dermatology Histopathology Specimens (Joint dermatology and histopathology audit)	Suzanne Cheng		X			X
Sub-Specialty: Diabetes & Endocrinology							
821	Regional audit of Diabetic Pregnancies	Dr Kurien John	X	X		X	X
824	South West Regional Audit of Diabetic Lower Limb Amputations	Dr Kurien John	X	X		X	X
1155	Transfer of patients from the Children's Hospital diabetes service to the adult service in the BRI	Helen John	X	X			
1681	In-patients diabetes care on Bristol Royal Infirmary medical wards including care of elderly	Jane Godfrey		X			
Sub-Specialty: Gastroenterology & Hepatology							
1421	Upper GI endoscopy service – Global Rating Scale (GRS) requirements (re audit of project ref 1113)	Dorren Wallace, Louise Johnson	X		X		

1515	Peripheral Line Care - Ward 28	Anne Harrison	X	X			
1584	Re-audit of the incidence and clinical outcome of C. difficile infection following the new C. difficile infection management guidelines	Achuth H Shenoy	X		X		X
Sub-Specialty: General Medicine							
1534	NHSLA Audit of Documentation Medical Division including Emergency Department	Amy Pickles, Bernadette Greenan	X		X		
1568	Screening for diabetes in Medical Assessment Unit	Kimberly Connor	X	X			
1634	A reaudit of Modified Early Warning Score (MEWS) use on the Medical Assessment Unit (MAU)	Hugh Grant-Peterkin			X		
1683	Drug prescription & administration in Bristol Royal Infirmary medical wards including care of the elderly	Nicky Brooks			X		
Sub-Specialty: Genitourinary Medicine							
1616	Non-Gonococcal Urethritis Management	Josh Allerton	X	X			
1741	An Audit of Ultrasound Requests in the Milne Centre from March to mid-May 2005	Kendon MacDonald		X			
1829	Are we adhering to the both UHBristol and BASHH guidelines in the management of early Syphilis?	James Dilley		X			
1869	Audit on the diagnosis and Management of patients attending the Milne Centre with Gonorrhoea	Sara Louise Scofield		X			X
Sub-Specialty: Medicine for the Elderly							
1554	National clinical audit of falls and bone health in older people	Peter Campbell	X	X			
1633	Audit of hospital based management of stage 3 chronic kidney disease	Peter Campbell		X			
1652	Re-audit of prescription charts and drug administration at Bristol General Hospital	Neina English			X		
1672	Falls assessment and prevention audit	Helen Bishop		X			
1828	Audit of discharge summary accuracy re presence of diabetes.	Tim Brummitt		X			X
1870	Assessment and management of patients with acute stroke	Sarah Gillett		X			X
1871	NCEPOD guidelines and documentation on the post take ward round	Sarah Gillett		X			X
1889	The National Clinical Audit of Falls & Bone Health in Older People	Rachel Bradley			X		X
Sub-Specialty: Respiratory							
116	Annual Review of Cystic Fibrosis - Does This Contribute to the Effective Management of Patients?	Dr Nabil Jarad	X	X		X	X
1461	RE-audit of Lung cancer 2 week waits	Joshi Anurag, Shaney Barratt	X		X		X

1484	Audit of CPAP allocation and usage	Adam Whittle	X	X			
1553	Completion of treatment in Tuberculosis	Brett Rocos	X	X			X
1567	Bronchiectasis in Non-Cystic Fibrosis Patients	Nasir Ameer	X	X			
1654	Is inpatient oxygen administration documented appropriately on the Bristol Royal Infirmary respiratory wards? (A re-audit)	Claire Dickson, Hayley Potter			X		
1772	Acute asthma management in MAU	Toby Graves		X			X
1818	Audit of insertion and care of chest drains in BRI Respiratory Wards	Matthew Cates			X		X
1872	Re-audit of CPAP usage and allocation CPAP in patients issued with long term CPAP	Kathryn Bateman			X		X
Sub-Specialty: Rheumatology							
1514	Management of psoriatic arthritis - standards of care	Shalini Perera	X	X			
1585	Are the cardiovascular risks of patients with rheumatoid arthritis being identified and treated?	Rouchelle Sriranjana	X	X			
1646	Direct Access Clinics – Are patients able to get an appointment within two weeks?	Ashleigh van Tonder		X			
1653	Annual review of scleroderma patients (Reaudit)	Caroline Hill			X		
1682	Audit of the Arthritis and Musculoskeletal Alliance (ARMA) standards of care for people with inflammatory arthritis.	David Scott		X			

**Staff in this Division also participated in the following audits, listed under other Divisions/Specialties:**

Division listed under	Ref	Provisional Title of Project	Participating specialties from this Division
Diagnostic and Therapy	1516	The use of MR dipyridamole and clopidogrel in ischaemic stroke and Transient Ischaemic Attack patients	Medical Specialties
Diagnostic and Therapy	1667	Falls Programme in the William Lloyd Unit	Medical Specialties
Diagnostic and Therapy	733	Infection Control Ward/Department audit	Medical Specialties
Diagnostic and Therapy	1729	Intravenous to oral antibiotic switch guidelines in the Division of Medicine	Medical Specialties
Medicine	1554	National clinical audit of falls and bone health in older people	Emergency Department (Adult)
Medicine	1889	The National Clinical Audit of Falls & Bone Health in Older People	Emergency Department (Adult)
Medicine	1553	Completion of treatment in Tuberculosis	Medical Specialties
Medicine	1568	Screening for diabetes in Medical Assessment Unit	Medical Specialties
Medicine	1810	Audit Of Transient Ischaemic Attack (TiA) Management in ED	Medical Specialties
Medicine	1872	Re-audit of CPAP usage and allocation CPAP in patients issued with long term CPAP	Medical Specialties

Specialised Services	223	Myocardial Infarction National Audit Project (MINAP)	Emergency Department (Adult)
Surgery and Head and Neck	1409	Patient Care pathway for fractured Neck of Femur	Emergency Department (Adult)
Surgery and Head and Neck	1832	Management of suspected scaphoid fractures	Emergency Department (Adult)
Surgery and Head and Neck	1362	Carotid Artery Duplex Scans and the Medical Management of Embolic Retinal Arterial Disease – re-audit	Medical Specialties
Surgery and Head and Neck	1532	Secondary prevention in Peripheral Vascular Disease	Medical Specialties
Surgery and Head and Neck	1423	Referral and management of patients with obstructive sleep apnoea	Medical Specialties
Women's and Children's	1695	An audit of Hypothyroidism in the 2nd and 3rd trimesters	Medical Specialties

### Summary of benefits, actions or changes achieved in 2007/8

- 1155 - Most (95%) of patients made a successful transition from paediatric to adult diabetes care with a personalised approach coordinated by the Diabetes Specialist Nurses. A standard referral pro forma has been designed.
- 1439 - Triage nurses are aiding patients to be seen more quickly and efficiently, thus helping to meet Emergency Department targets. All X-rays requested by the trained Band 5 triage nurses were reviewed by appropriate trained personnel.
- 1452 - Documentation of pain score for patients presenting to the Emergency Department with acute anterior dislocation of the shoulder has vastly improved compared to the previous audit. Most patients (83%) who needed an X-ray prior to reduction receive this within one hour.
- 1484 - All patients who were offered long term Continuous Positive Airway Pressure (CPAP) reported symptomatic benefit from their CPAP trial. Median CPAP usage was better than that seen in the published UK series.
- 1486 - Laminated cards detailing the Trust antibiotic policy are distributed to all doctors at induction. An online link has been created between Emergency Department Handbook, "Antibiotic" page and "ENP Protocols" page
- 1529 - A new document, 'Use of Topical Treatments with Light Treatment' has been made available for reference for all phototherapy nurses.
- 1567 - A dedicated clinic for bronchiectasis patients has been set up.
- 1644 - As per the guideline, only basal cell carcinoma lesions smaller than 20mm were treated with curettage and electrodesiccation.
- 1672 - This audit confirmed good practice in referring patients over 65 years of age with a history of fall
- 1673 - All the patients with suspected Alcohol withdrawal syndrome (AWS) were assessed physically and mentally as per the guideline. Almost all patients (over 90%) received the recommended 1<sup>st</sup> line drug treatment (Chlordiazepoxide)
- 1677 - Observation Unit paperwork has been changed and now includes a mandatory Drug Chart and prompt for prescription of regular analgesia.
- 1681 - The diabetic nursing team, in collaboration with appropriate key stakeholders, is developing local guidelines for hypoglycaemia treatment and changing from IV insulin to subcutaneous.
- 1684 - Confirmed good practice. Audit demonstrated good compliance with the NICE Clinical Guideline 16 regarding assessment and referral of the deliberate self harm patients.
- 1709 - 'Quebec WAD Score' of most whiplash patients (92%) were measured and recorded.
- 1725 - Ultrasound was always used exclusively on cases where appendicitis was thought to be equivocal. All female patients with acute appendicitis were given a pregnancy test.
- 1773 - New laminated guideline for the management of Squamous Cell Carcinoma (SCC) was produced for all appropriate clinical areas. Minor surgery procedure notes sticker was redesigned.
- 1829 - Early Syphilis was diagnosed as per the standards. Most patients were offered screening for other Sexually Transmitted Diseases including HIV. Most patients were treated with Penicillin G 750 mg, IM for 10 days as per the guideline.

### 3.5 SPECIALISED SERVICES

#### SUMMARY FIGURES

2006/7 roll-overs <<		51	(includes 8 subsequently abandoned, 9 deferred and 1 transferred to SR database – see Appendix B, C and D)
Audits first registered in 2007/8	First audits <b>A</b>	28	
	Re-audits <b>R</b>	2	
	Ongoing monitoring projects <b>O</b>	0	
<b>Total number of audits</b>		<b>63</b>	
Completed audits		26	
Current (uncompleted) audits carried forward >>		37	(includes 9 ongoing monitoring projects)

#### PROJECT LIST

The "No." refers to the registration number of the project on the Audit Project Management Database

**X** indicates the audit is of the type specified

Ref	Provisional Title of Project	Name	<<	A	R	O	>>
<b>Specialty: Cardiac Services</b>							
Sub-Specialty: Cardiac Anaesthesia							
1400	The Use of Aprotinin in Cardiac Surgery	Andrea Binks	X	X			
1475	Central line placement based on radiological landmarks	Andrea Binks	X	X			
1599	Intraoperative Transoesophageal Echocardiography (re audit)	James Hillier	X		X		X
1621	Mortality and complications in patients >80 years undergoing cardiac surgery	Stephen Linter	X	X			X
1651	Glycaemic control post-cardiac surgery	Kai Zacharowski		X			X
1780	Does Nicorandil reduce postoperative supraventricular arrhythmias following cardiac surgery?	Fiona Kelly		X			X
1782	Cardiac Intensive Care Unit standards of care	Ian Ryder		X			X
Sub-Specialty: Cardiac Surgery (Adult)							
206	Adult Cardiac Surgery Annual Report	Alan Bryan	X	X		X	X
208	Audit of Extubation Data	Kathy Gough	X	X		X	X
219	Usage of Blood Products After Cardiac Surgery	Alan Cohen	X	X		X	X
486	A protocol for the weaning of long-stay patients	Lisa Mace	X	X			
549	Central Cardiac Audit Database/Society of Cardiothoracic Surgeons National Adult Cardiac Surgery Audit Database	Alan Bryan	X	X		X	X
550	UK Heart Valve Registry	Alan Bryan	X	X		X	X
577	Radio frequency Ablation of Chronic Atrial Fibrillation	Franco Ciulli	X	X			X

578	Surgical Wound Audit Protocol	Raimondo Ascione	X	X			
1110	Outcomes of mechanically ventilated patients who require a tracheostomy	Ian Davies	X	X			X
1556	Perfusion Charts (Re-audit)	Richard Downes	X		X		X
1596	CNST 2006	Graham Brant	X	X			
1715	Audit of regional brain oxygen saturation during cardiopulmonary bypass	Gavin Murphy		X			X
1716	An audit of mitral valve surgery outcomes at the Bristol Royal Infirmary	Franco Ciulli		X			X
207	Cardiac Rehabilitation NSF-CHD Audit	Fiona Barnard	X	X		X	X
223	Myocardial Infarction National Audit Project (MINAP)	Jenny Tagney	X	X		X	X
<b>Sub-Specialty: Cardiology</b>							
809	Central Cardiac Audit Database/British Cardiovascular Interventionist Society National Angioplasty Database	Andreas Baumbach	X	X		X	X
1476	Stress echocardiography at the Bristol Royal Infirmary (re audit)	Angus Nightingale	X		X		
1578	Central Cardiac Audit Database/Heart Rhythm UK Cardiac Rhythm Management	Tim Cripps	X	X		X	X
1714	Do older patients with AF receive appropriate anticoagulation or antiplatelet treatment according to NICE?	Andrew Sherley-Dale		X			
1717	Re-audit of the use of anti-thrombotic and anti-platelet agents as adjuvant therapy during and after percutaneous coronary intervention	John Edmond		X			X
1733	Closure of atrial septal defects in patients with pulmonary hypertension	Stephanie Curtis		X			X
1864	Biventricular Pacemaker NICE audit	Esther Shamoon		X			X
1866	An Audit of Drug Therapy in the Secondary Prevention of Myocardial Infarction	Angus Nightingale		X			X
<b>Specialty: Homeopathy</b>							
1885	NHS Litigation Authority (NHSLA) Documentation Audit	Elizabeth Thompson			X		
1626	NHS Litigation Authority (NHSLA) Documentation Audit	Elizabeth Thompson	X		X		
203	The Management and Treatment of Asthma	Elizabeth Thompson	X	X			
925	The use of a patient generated outcome measure to monitor outcome and completion of package of care and facilitate goal setting in routine practice	Elizabeth Thompson	X	X			X
1623	Goal setting in Homeopathic Practice	Dr Richard Savage	X	X			

1625	Homeopathy in Management of Childhood Eczema	Dr Will Muir	X	X				X
<b>Specialty: Oncology &amp; Haematology</b>								
1455	On-treatment reviews - radical radiotherapy	Petra Jacobs	X	X				
1460	1st Day Information for Prostate Patients	Dorothy Griffin	X	X				
1539	Nutritional Assessment for patients receiving chemotherapy - NICE	Jessica Matheson	X	X				
1541	Adherence to NICE Guidance (TA30) - Docetaxel in breast cancer	Jodie Gunter	X	X				
1591	Tolerability of chemotherapy/radiotherapy in Oesophageal cancer	Alison Cameron	X	X				
1601	NHSLA notes audit BHOC	Hayley Long, Ruth Hendy	X	X				
1665	NICE TA 107 Trastuzumab for adjuvant treatment of breast cancer	Emma Gray		X				
1666	Drug Administration in Bristol Haematology and Oncology Centre (inpatient wards)	Hayley Long, Ruth Hendy		X				
1688	Radical Radiotherapy for non small cell lung cancer - NICE TAG 24	Paula Wilson		X				
1691	Docetaxel in adjuvant breast cancer treatment TAG 109	Carys Morgan, Luke Hanna		X				
1749	Completeness of chemotherapy summary charts	Louise Medley		X				X
1774	Adherence to Local (ASWCS) Guidelines for the Treatment of Germ Cell Testicular Tumours	Michael Carter		X				X
1793	Availability of Relevant Clinical Notes at Radiotherapy Treatment Localisation	Sue Humphreys		X				
1809	Docetaxel in Prostate Patients	Elaine Walsh, Paula Wilson		X				X
1821	A Survey of Patient Experience of Psychosocial Care in Cancer - NICE guidance (2004) 'Improving supportive and palliative care for adults with cancer'	Kirsty Thorne		X				X
1842	Radiographer-led planning	Simon Smith		X				X
1843	Off-protocol chemotherapy prescribing	Kate Scatchard		X				X
1867	NHSLA 2008	Hayley Long		X				X
1879	Radiotherapy to reconstructed breast	Ahmed Abdel Aziz		X				X
1880	Communication and support received by breast cancer patients - NICE Improving outcomes Guidance	Alison Cameron		X				X
Sub-Specialty: Haematology								

1802	Patient Satisfaction with Avon Haematology Unit Services - Patient Survey - National Cancer Standards	Julia Vasant			X		
1848	Use CMV negative blood components in allogeneic and prospective allogeneic transplant patients	Jane Norman		X			X
Sub-Specialty: Palliative Medicine							
1499	Initial Bereavement Support Programme - Palliative Care Team	Carys Pugh, Tina Quinn	X	X			
1543	Preferred Place of End of Life Care	Joanne Lee, Maria Malpass	X	X			
1671	Expected Deaths in UHBristol - End of Life Care	Jane Gibbins, Nicholas Alexander		X			
1689	Syringe Driver Infusions	Gaye Senior-Smith		X			
1840	Re-audit of aspects of opioid prescribing for the management of cancer pain	Carolyn Campbell		X			X

**Staff in this Division also participated in the following audits, listed under other Divisions:**

Division listed under	Ref	Provisional Title of Project	Participating specialties from this Division
Diagnostic and Therapy	1685	Pre cardiac surgery carotid artery duplex and management of patients with significant carotid disease.	Cardiac Services
Surgery and Head and Neck	1532	Secondary prevention in Peripheral Vascular Disease	Cardiac Services
Surgery and Head and Neck	1855	An audit to evaluate the role of the multi-disciplinary cancer team in recruiting patients into a National Randomised Trial, OEO5	Oncology & Haematology
Surgery and Head and Neck	1270	Continuing oral health care for paediatric patients who have been treated for childhood malignancies	Oncology & Haematology
Women's and Children's	1286	Surgical complications of radical gynaecological surgery	Oncology & Haematology

**Summary of benefits, actions or changes achieved in 2007/8**

207 - Ongoing data collection for the Central Cardiac Audit Database has proven beneficial in informing Bristol Primary Care Trust, the British Heart Foundation and service leads of the quality of care given during 2007/8. This is being used to plan services

219 - Long-term monitoring of blood product usage with feedback to consultants continues to have beneficial impact on practice. Transfusion rates for all surgical cases have reduced from 85% in 1996 to 40% in 2006. Only 15% of low risk cases now receive a blood product

223 - One of two key audits which the Healthcare Commission uses to assess Trust performance. UHBristol achieved 99.7% data completeness for 2007/8, with 80% of admissions within the 60 minute call-to-needle target. All secondary prevention targets were exceeded with the exception of prescription of beta-blockers (76%). Action on this shortcoming is being taken by senior managers

578 - A substantial project which has led to guidelines and improved patient care in the four key areas of temperature control, ventilation, blood glucose control and nutrition. A reduction in incidence of post-surgical wound breakdown is anticipated

809 - The second of two key audits which the Healthcare Commission uses to assess Trust performance. UHBristol achieved 97.9% overall data completeness for 2007 but failed to meet the target for previous medical history (data completeness = 79%). Action on this shortcoming is being taken by senior managers



1400 - A substantial project which has led to publication of results in The Lancet. Use of aprotinin in on-pump surgery appears to be safe, whereas it is associated with increased risk of renal failure in off-pump surgery. Implications for practice have been discussed at many levels

1460 - This audit resulted in important education for radiographers when they are talking with male patients about sensitive sexual issues

1475 - Inaccurate placement of central venous catheters was found in 16% of cases studied, with 45% of pulmonary artery sheaths being placed too high. Recommendations were made for improved practice

1499 - The audit confirmed that all bereaved next-of-kin received bereavement support in accordance with NICE Guidance. It also demonstrated the benefit of the service in that next-of-kin reported that they appreciated the calls and second calls were often requested

1539 - A designated person is now assigned to complete the nutritional assessment screening tool

1671 - Enabled a pilot study in End of Life Care to be undertaken within the Trust and informed the methodology

1689 - Identified the need for a Trust-wide standard infusion monitoring chart – currently being developed.

1714 - Overall, 77% of patients sampled were compliant with NICE guidelines in terms of their management, or had exemptions properly recorded in their notes. Several recommendations were made for improved compliance and these are in progress

1793 - A list has been compiled of essential information required in the patient's notes when they present for radiotherapy planning

### 3.6 SURGERY AND HEAD AND NECK

#### SUMMARY FIGURES

	2006/7 roll-overs <<	86
Audits first registered in 2007/8	First audits <b>A</b>	34
	Re-audits <b>R</b>	24
	Ongoing monitoring projects <b>O</b>	2
<b>Total number of audits</b>		<b>131</b>
Completed audits		62
Current (uncompleted) audits carried forward >>		69

(includes 10 subsequently abandoned, 2 deferred and 1 transferred to SR database – see Appendix B, C and D)

(includes 5 ongoing monitoring projects)

#### PROJECT LIST

The “No.” refers to the registration number of the project on the Audit Project Management Database

**X** indicates the audit is of the type specified

Ref	Provisional Title of Project	Name	<<	A	R	O	>>
<b>Specialty: Anaesthesia</b>							
1438	Preoperative airway assessment	Alla Belhaj	X	X			X
1463	Preoperative consent audit	Doug Mein	X	X			
1489	The anaesthetic record and charting accuracy	Nick Wharton	X	X			
1533	Airway skills - Timing and Level of competency for trainees	Gareth Gibbon	X	X			
1558	Morphine protocol audit	Amy Pickles	X	X			X
1706	Delays to theatre of patients with fractured neck of femur	Jill Homewood			X		X
1730	Central Venous Access Devices – An audit of request process, indication, insertion, use and care (NICE TAG 49)	Frances Forrest, Tobias Everett		X			X
1767	An audit of waste disposal in Heygroves theatres	Tom Martin		X			X
1792	Ongoing Monitoring of Patients Undergoing General Anaesthesia for Caesarean Section	Nick Wharton		X		X	X
1837	The use of monitoring devices to assess the neuromuscular function of patients	Claire Heywood		X			X
1913	Safe administration of epidural medicines - NPSA Safety Alert 21	Nilesh Chauhan		X			
<b>Sub-Specialty: Day Surgery Anaesthesia</b>							
146	NCEPOD – review in Day Surgery	Dr Carl Heidemeyer	X	X		X	X
<b>Sub-Specialty: Obs &amp; Gynae Anaesthesia</b>							
155	What Problems are Being Experienced with Regional Anaesthesia for Caesarean Section?	Dr Mike Kinsella	X	X		X	X
538	Audit of Epidural Anaesthesia for Gynaecological Operations	Mike Kinsella	X	X			X

1402	Intra-uterine fetal resuscitation (IUFR) in emergency caesarean section for fetal distress	Nicola Weale	X		X		
1605	Epidural Analgesia - Following up post procedure (re audit 1488)	Claire Dowse	X		X		X
1703	Compliance with national standards for caesarean section anaesthesia - Regional anaesthesia conversion rates	Mike Kinsella			X		
1704	Audit of accidental dural puncture (ADP)	Mark Scrutton		X		X	X
1743	Timely anaesthetic review of patients with cardiac problems presenting to the delivery suite	Robert Jackson		X			X
1770	Post Caesarean Section Analgesia Audit	Simon Webster		X			X
<b>Specialty: Dental</b>							
1582	Standard of referral letters to the Dental specialities at Bristol Dental Hospital - re-audit	Tony Brooke	X		X		
1606	NHS Litigation Authority (NHSLA) Documentation audit 2006/7 - Dental Hospital	Jon Penny	X		X		
1852	NHS Litigation Authority (NHSLA) Documentation audit 2007/8 - Dental Hospital	Jon Penny			X		X
Sub-Specialty: Oral Medicine							
1581	Customer Satisfaction for patients attending the emergency department of Bristol Dental Hospital - re-audit	Tony Brooke	X		X		
1583	Filing of pathological reports in patient records	Tony Brooke	X	X			
1614	Failure to attend appointments by patients being seen in the B3 suite	Andrew Barber	X	X			
1686	Efficacy of treatment in achieving acceptable symptom control in "Burning Mouth Syndrome" (BMS)	Tony Brooke		X			
1804	Biopsies for new referrals to Oral Medicine	Helen Underhill		X			X
Sub-Specialty: Oral Surgery							
1424	Management of patients on anti-platelet medication undergoing minor oral surgery	Tamara Khayatt	X	X			
1752	Management of patients on anti-platelet medication undergoing minor oral surgery - re-audit	Imran Nasser, Tamara Khayatt			X		X
1849	Incidence of dry socket for routine extractions within Oral Surgery Department	Frances Pilkington			X		X
Sub-Specialty: Orthodontics							
1423	Referral and management of patients with obstructive sleep apnoea	Hemendranath Shah	X	X			
1442	The care pathway for patients with palatally ectopic maxillary canines, treated with surgical exposure and/or bonding	Nikki Atack	X	X			
1522	Failure rate of multistranded bonded retainers	Clare McNamara	X	X			

1641	Incidence of infected titanium plates following orthognathic surgery	Kate House, Kunmi Fasanmade		X			X
1822	Orthodontic instrument trays from sterilisation unit: Are they of a satisfactory standard?	Hem Shah		X			X
Sub-Specialty: Paediatric Dentistry							
1270	Continuing oral health care for paediatric patients who have been treated for childhood malignancies	Rebecca John	X	X			
1495	Presence of a final working length in patients undergoing apexification – re-audit	Rebecca John	X		X		X
1496	Specialist treatment plans - re-audit	Rebecca John	X		X		X
1580	Fluoride: are we following national guidelines?	Hannah Nettleton, Lucy Stead	X	X			
1642	Availability of patient identifier stickers within clinical notes	Shan Gandhi		X			
1674	Are radiographs being taken when children are assessed for routine extractions under general anaesthesia?	Deborah Franklin, Kate Garrett			X		
1750	Longevity of Fissure Sealants	Christine Casey		X			X
1751	Placement of Stainless Steel Crowns following pulpotomy or pulpectomy	Stefan Abela		X			X
1763	Consent for clinical photographs – 2nd re-audit	Shan Gandhi			X		
1830	Availability of patient identifier stickers within clinical notes - re-audit	Shan Gandhi			X		
Sub-Specialty: Primary Care Dental Services (PCDS)							
1613	Are community dentists & dental nurses following NICE guidelines on infection control and the UHBristol hand hygiene policy on domiciliary visits? Re-audit	Felicity Sutton	X		X		
1800	Treatment outcomes and record keeping in Dental Access Centre Pain and Out Of Hours clinics	Petrina Wood		X			
1801	Antibiotic prescribing in Dental Access Centre Pain and Out Of Hours clinics	Petrina Wood		X			
1805	Antibiotic prescribing in PCDS - re-audit	Katherine Walls			X		X
Sub-Specialty: Restorative Dentistry							
1577	Survival of resin-retained bridgework provided for post-orthodontic hypodontia patients with missing maxillary lateral incisors	Matthew Garrett	X	X			
1615	Are dental implants being prescribed and funded in accordance with the Royal College of Surgeons' guidelines?	Karen Andrews	X	X			X
1675	Dental screening and treatment compliance of pre-radiotherapy head and neck patients	Alison Grant, David Naimi-Akbar			X		X
1806	Are General Anaesthetic protocols for Special Needs patients being followed?	Justin Blake, Roger Yates			X		X
1854	Oral care of patients undergoing treatment for Head and Neck Cancer - re-audit	Ediz Cakin			X		X

<b>Specialty: General Surgery</b>						
838	A retrospective audit of anastomotic leak rates following anterior resection for rectal cancer at the BRI	Serena Ledwidge	X		X	
976	An audit of accuracy of medication histories on the surgical admissions unit	Barbara Wilson	X		X	
1608	NHS Litigation Authority (NHSLA) Documentation Audit	Stuart Metcalfe	X	X		
1612	Thromboprophylaxis in Acute General Surgical admissions (re audit of project 1426)	Gev Bhabra	X		X	
1791	An audit of respiratory observation recordings on ward 14	Rachael Walters		X		X
1931	NHS Litigation Authority (NHSLA) Documentation Audit	Mark Wright			X	X
<b>Sub-Specialty: Lower GI (Gastrointestinal) Surgery</b>						
1285	Global Rating Scale (GRS) - Are we meeting quality standards for Colonoscopy	Rebecca Griggs	X	X		X
1723	Audit of Pre-Operative Chest Radiograph Requests - NICE CG3 (re audit Proj. 830)	Megan Rowland			X	
1736	Same Day Admission for Colorectal Surgery - An Audit of Service	Rob Longman		X		X
1856	An audit of nutrition replacement for patients undergoing colorectal surgery	Rob Longman		X		X
1857	An audit of fluid replacement for patients undergoing colorectal surgery	Rob Longman		X		X
1282	Global Rating Scale (GRS) - Are we meeting quality standards for Endoscopic Ultrasonography (EUS) and EUS FNA (Fine Needle Aspiration)	Dr Jayshri Shah	X	X		X
<b>Sub-Specialty: Upper GI (Gastrointestinal) Surgery</b>						
1351	Implementation of decisions from the colorectal MDT	James Wood, Jane Blazeby	X		X	X
1559	An audit of antibiotic prescriptions on Surgical wards	Jen Courtney	X	X		
1561	An audit of clinical outcomes in patients with pancreatic adenocarcinoma undergoing Percutaneous Transhepatic Cholangiography	Jane Blazeby	X		X	X
1690	An audit of antibiotic prescriptions on Surgical wards (re audit of project 1559)	Jen Courtney			X	
1735	A re-audit of the patient pathway from GP referral to treatment decision and then to start of treatment for patients with upper GI cancer	Jane Blazeby, Jonathan Rees			X	X
1855	An audit to evaluate the role of the multi-disciplinary cancer team in recruiting patients into a National Randomised Trial, OEO5	Angus McNair, Jane Blazeby		X		X
<b>Sub-Specialty: Urology</b>						
1436	An audit on emergency Nephrostomy timing	Helena Burden	X	X		
1469	Accuracy of ultrasound scanning in Bladder Tumours	Weranja Ranasinghe	X	X		

1562	Audit of surgical outcomes for Laparoscopic/Open Radical Prostatectomy	Ben Ayres	X	X			
1563	Investigation and management of microscopic haematuria	Ben Ayres	X	X			X
1619	An audit of outcomes of the Bristol Andrology service	Jonathon Shaw	X	X			X
1643	Patients satisfaction of the haematuria clinic	Helena Burden		X			X
Sub-Specialty: Vascular Surgery							
1532	Secondary prevention in Peripheral Vascular Disease	Nick Alexander	X	X			
<b>Specialty: Integrated Critical Care Services</b>							
Sub-Specialty: ITU/HDU							
160	Intensive Care National Audit and Research Centre (ICNARC) Database	Dr Tim Gould	X	X		X	X
537	Potential Donor Audit	Leanne Sarney, Sarah Caborn	X	X			
1231	MRSA audit	Nicola Davis, Ruth Evans	X	X			X
1348	Drug omissions on Intensive Care Unit	Rachael Prout	X	X			
1560	Modified Obs charts and their role in emergency protocol	Sanjay Krishnamoorhy	X	X			X
1776	An Audit of Critical Care Discharge (NICE CG 50)	Thuli Whitehouse		X			X
Sub-Specialty: Outreach Critical Care							
1826	Audit of critical care nurses offering the choice of tissue donation to newly bereaved relatives	Louise Jenkins		X			X
<b>Specialty: Maxillo-facial surgery &amp; Adult Ear, Nose and Throat (ENT)</b>							
Sub-Specialty: Ear, Nose and Throat (Adult ENT)							
1276	Re-audit to assess the appropriate use of preoperative tests for elective ENT surgery	Natalie Blencowe	X		X		
1467	Audit of ENT blood transfusion service	Stuart Burrows	X	X			
1470	Audit of clinic outcomes	Andrew Carswell	X	X			
1545	Re-audit of clinic outcomes	Andy Carswell	X		X		
1570	Laryngo-tracheal reconstruction in children	Fabian Sipaul	X	X			
1598	Re-audit of the use of ENT Urgent Clinic	Rob Douglas	X		X		
1609	NHS Litigation Authority (NHSLA) Documentation Audit	Jackie Moxham	X		X		

1648	As a department do we receive referrals and list for surgery in accordance with the SIGN guidelines for recurrent tonsillectomies	Stuart Burrows		X			X
1744	Nutritional assessment of patients with head and neck cancer and adherence to NICE guidelines	Rebekah Stone		X			X
1745	Myringoplasty: Experience at St Michael's Hospital	Y Nicholson			X		X
1877	NHSLA Litigation Authority (NHSLA) Documentation Audit	Salman Baig			X		X
<b>Sub-Specialty: Maxillo-facial surgery</b>							
1576	Fine Needle Aspiration Cytology (FNAC); adequacy of departmental samples, sensitivity and specificity	Mehrnoosh Dastaran	X		X		
1655	Are all radial free forearm flap patients undergoing an Allen's Test and Doppler as appropriate?	Andrew Felstead		X			X
<b>Specialty: Ophthalmology</b>							
558	Are we following the guidelines for Retinopathy of Prematurity Screening?	Cathy Williams	X	X			
1300	Cataract Surgery Outcomes	Derek Tole, Philip Jaycock	X		X		
1362	Carotid Artery Duplex Scans and the Medical Management of Embolic Retinal Arterial Disease – re-audit	Maria Morgan, Marten Brelen	X		X		
1441	Is simple punctal stenosis appropriately assessed and treatment effective?	Glynn Baker	X	X			
1462	Quality of referrals and listing rates of traditional GP referrals and optometric direct referrals for cataract surgery	Jon Park, Mohan Mundasad	X	X			
1508	Nasolacrimal duct probing in children	Amanda Churchill, Jocelyn Cherry	X	X			
1604	NHS Litigation Authority (NHSLA) Documentation audit - Bristol Eye Hospital	Jon Penny	X		X		
1746	Management of Uveitis Patients Receiving Immuno-suppression Drugs at Bristol Eye Hospital	Annie Hinchcliffe		X			X
1808	Retinopathy of Prematurity screening - re-audit	Suman Biswas			X		X
1835	Culture positivity rate and documentation of microbial keratitis at Bristol Eye Hospital - re-audit	Cheryl Lee, David Silverman			X		X
1853	NHS Litigation Authority (NHSLA) Documentation audit 2007/8 - Eye Hospital	Jon Penny			X		X
1874	Assessment of Diabetic retinopathy at Bristol Eye Hospital	Sanjiv Banerjee		X			X
<b>Sub-Specialty: Ophthalmology Inpatient / Day Case Surgery</b>							
1361	Trabeculectomy	Imran Zaheer	X		X		
1617	Outcome of H60M lens exchange surgery at Bristol Eye Hospital – re-audit (of 986)	Nat Knox Cartwright	X		X		
1656	Management of patients with amblyopia undergoing cataract surgery at Bristol Eye Hospital	Joanna Waterfall		X			X

Sub-Specialty: Ophthalmology Outpatients						
1363	Evaluation of Nurse-Led Cataract Follow-Up Clinics - re-audit	Martina Jones	X		X	
Sub-Specialty: Ophthalmology Pre-Operative Assessment						
1171	BOTOX (R) injection for relief of Entropion	Sally Ashton	X	X		
Sub-Specialty: Ophthalmology Shared Care						
1589	Glaucoma outpatient follow up appointments at Bristol Eye Hospital (re-audit)	Paul Spry, Rinku Joshi	X		X	
Sub-Specialty: Orthoptics						
1468	Orthoptic Management of Amblyopia	Ruth Scott	X		X	
<b>Specialty: Orthopaedics (T&amp;O)</b>						
1278	Record Keeping T&O	Elaine Borsic	X	X		X
1349	Progression of disease in patients with rheumatoid arthritis awaiting hand surgery in a single surgeon's practice	Olly Donaldson	X	X		X
1409	Patient Care pathway for fractured Neck of Femur	James Livingstone	X	X		X
1550	The quality of x-rays used for peri-operative planning in limb reconstruction surgery	Koye Odutola	X	X		X
1551	An audit of post shoulder surgery physiotherapy	Lucy Bourne	X	X		
1705	Are plain X-rays being appropriately requested prior to discharging patients in the Trauma and Orthopaedic Department	Alys Macone			X	X
1710	Audit of Orthopaedic Coding	Charles Chambers		X		X
1728	Physiotherapy management of persistent low back pain	Lucy Bourne		X		
1790	The Availability of Patient Notes and X-rays in Orthopaedic and Fracture Clinics	Kathryn Jones			X	X
1832	Management of suspected Scaphoid fractures	Phil McCann		X		X
1930	NHS Litigation Authority (NHSLA) Documentation Audit	Jonathan Eldridge			X	X
<b>Specialty: Theatres &amp; Central Sterile Services</b>						
1345	Are we following the guidance on ensuring Correct Site Surgery	Dina Plowes	X		X	X



**Staff in this Division also participated in the following audits, listed under other Divisions:**

Division listed under	Ref	Provisional Title of Project	Participating specialties from this Division
Diagnostic and Therapy	893	Routine Preoperative Tests For Elective Surgery	Anaesthesia
Diagnostic and Therapy	1781	Histopathology reporting of head and neck carcinomas	Dental
Diagnostic and Therapy	893	Routine Preoperative Tests For Elective Surgery	General Surgery
Diagnostic and Therapy	1727	An audit of breast core biopsy reporting	General Surgery
Diagnostic and Therapy	914	Diagnosis and Treatment of Pseudoaneurysm	General Surgery
Medicine	1534	NHSLA Audit of Documentation Medical Division including Emergency Department	General Surgery
Medicine	824	South West Regional Audit of Diabetic Lower Limb Amputations	General Surgery
Medicine	1889	The National Clinical Audit of Falls & Bone Health in Older People	Orthopaedics (T&O)
Medicine	1554	National clinical audit of falls and bone health in older people	Orthopaedics (T&O)
Medicine	824	South West Regional Audit of Diabetic Lower Limb Amputations	Orthopaedics (T&O)
Women's and Children's	1502	Re-audit of the management of placenta praevia	Anaesthesia
Women's and Children's	1610	NHS Litigation Authority (NHSLA) Documentation Audit	Theatres & Central Sterile Services

**Summary of benefits, actions or changes achieved in 2007/8:**

537 - Due to in house teaching sessions and a weekly presence from North Bristol NHS Trust's transplant coordinator, the number of donors and referrals within the BRI Intensive Therapy Unit has increased.

558 - A room is now available in Neonatal Intensive Care for retinopathy screening and the system of data collection has also been enhanced, improving opportunities for screening of all at-risk babies

1171 - Demonstrated compliance with local protocols in the nurse-led BOTOX<sup>®</sup> clinic and showed a low rate of side-effects which confirms good injection technique

1270 - An oral health information leaflet is now provided for all patients undergoing treatment for childhood malignancies at the Children's Hospital

1300 - Demonstrated good outcomes for cataract surgery compared with national benchmarks and improvements were apparent in encouraging patients towards local anaesthesia, as recommended in the previous audit (988)

1362 - An information leaflet was written for patients with retinal embolic disease and improvements have been made to the stroke clinic fast-track referral form to ensure better quality information from the Eye Hospital

1363 - Demonstrated good practice by nurse practitioners in cataract follow-up clinics and a high level of patient satisfaction with the service provided

1423 - Demonstrated good outcomes for mandibular advancement appliances provided for sleep apnoea patients and led to an improved system for assessing outcomes in future

1462 - A new form is in development in conjunction with Bristol Primary Care Trust and the Local Optical Committee to streamline the cataract referral process

1467 - Following the audit of ENT blood transfusion practice, the Maximum Surgical Blood Order Schedule (MSBOS) was modified to reduce inappropriate ordering of blood.

1468 - A proforma was developed to improve documentation of the care pathway for amblyopic patients treated by orthoptists and changes were made in clinic to ensure a ready supply of information leaflets

1522 - A protocol has been developed to improve orthodontic staff technique in producing bonded retainers

1533 - An airway training day was devised which had a positive impact on both knowledge of the Difficult Airway Society guidelines and confidence in the techniques covered. In the spirit of self-directed learning we believe this is the first advanced airway course to be devised, organised and delivered for trainees by trainees to address their own training needs

1551 - New urgent physiotherapy slots have been created to allow patients to be seen within five days as opposed to ten. A hydrotherapy shoulder group has also been established.

1577 - Demonstrated excellent outcomes for resin-retained bridgework used for post-orthodontic retention at the Dental Hospital compared to the literature

1580 - New departmental guidelines for fluoride prescription have been drawn up based on national guidance and these have also been incorporated into undergraduate teaching

1581 - Arrangements have been made with the Primary Care Trusts to improve provision of information for patients on how to obtain emergency dental care

1598 - Following re-audit of the use of the ENT Urgent Clinic, guidance was issued to ensure that multiple SHO follow up was discussed with seniors.

1609 - Following the audit of ENT documentation, training was implemented to raise awareness of issues raised by the audit.

1614 - Led to improved systems of communication with medically-compromised patients prior to attending appointments at the Dental Hospital.

1617 - Demonstrated good outcomes in lens-exchange surgery compared to the literature.

1674 - Confirmed a large improvement since a previous audit (1332) in obtaining radiographs for pre-assessment of children having teeth extracted under general anaesthetic.

1686 - Demonstrated good practice with regard to eliminating other (systemic) causes for Burning Mouth Syndrome and treating with appropriate medication

1703 - We now meet the standards set by The Royal College of Anaesthetists outlining conversion rates in anaesthesia for both elective and emergency caesarean sections.

1723 - This re-audit of NICE Clinical Guideline 3 showed a decrease in inappropriate pre operative radiograph requests.

1728 - All patients sampled that received treatment were given the opportunity to participate in an exercise programme meeting one of the key recommendations of the Chartered Society of Physiotherapy guidelines.

1800 - Demonstrated a high standard of record-keeping in Dental Access Centres

1913 - Epidural pumps have been purchased to help us to comply with National Patient Safety Agency Alert 21. A re-audit is planned for 2008/9 (see appendix E)

### 3.7 WOMEN AND CHILDREN'S

#### SUMMARY FIGURES

	2006/7 roll-overs <<	53	(includes 3 subsequently abandoned see Appendix B)
Audits first registered in 2007/8	First audits <b>A</b>	66	
	Re-audits <b>R</b>	21	
	Ongoing monitoring projects <b>O</b>	2	
<b>Total number of audits</b>		<b>137</b>	
	Completed audits	65	
	Current (uncompleted) audits carried forward >>	72	(includes 11 ongoing monitoring projects)

#### PROJECT LIST

The "No." refers to the registration number of the project on the Audit Project Management Database

**X** indicates the audit is of the type specified

Ref	Provisional Title of Project	Name	<<	A	R	O	>>
<b>Specialty: Childrens Services</b>							
1296	National Health Service (NHS) Documentation Re-audit	Carol Inward	X		X		
1739	Does Antibiotic Prescribing Adhere to Guidelines Available within the Children's Services?	Elizabeth Jonas, Simon Langton-Hewer		X			
1742	MRSA screening for out of hospital referrals to the Bristol Children's Hospital	Matthew Tuppeny		X			
1761	Patient Identification National Patient Safety Agency Guidelines - benchmarked across five UK Paediatric Centres	Helen Morris			X		
<b>Sub-Specialty: CAMHS (Child Adolescent Mental Health)</b>							
1528	Deliberate Self Harm Care pathway Audit	Andrew Fogarty	X	X			
1789	Audit of prescribing practice in child and adolescent mental health services	Carla Groenwald		X			
<b>Sub-Specialty: Community Paediatrics</b>							
1817	Auditing Hepatitis B vaccination within the infants born to drug abusing mothers	Robin Marlow		X			X
<b>Sub-Specialty: Neonatology</b>							
1047	Audit of Gastroschisis Protocol in Neonatal Intensive Care Unit (NICU)	Sam O'Hare	X	X			
1142	International, national and regional benchmarking of mortality & morbidity and resource allocation on the newborn intensive care unit	David Harding	X	X		X	X
1513	Documentation of baby notes in St Michael's Hospital NICU	Tinu Purayil	X	X			X
1572	Readmissions for babies during neonatal period	A Yee Than	X		X		
1602	Audit series to improve infection rates on NICU	Karen Luyt	X	X			X
1611	NHS Litigation Authority (NHS) Documentation Audit	Jackie Moxham	X	X			

1661	Management of Congenital Diaphragmatic Hernia in Bristol 1996-2006	Beth Osmond			X		
1679	A re-audit of care plans	Carol Arlidge			X		X
1696	Baby Sleeping Position Audit - St Michael's Hospital	Ingrid Slade		X			
1697	Audit Of Enteral Feeding Practices in Neonates on NICU at St Michael's Hill Hospital	Florence Hogg, Katherine McMaster		X			
1698	Audit of pre and post operative management of Tracheo oesophageal Fistula	Ali Raza		X			X
1699	Audit to assess the accuracy of the neonatal naso-gastric tube length chart	Jennifer Kemp			X		X
1711	Antenatal renal pelvis dilatation audit	Madeleine Heeley		X			
1712	Maternal Hypothyroid Disease: Compliance with the local guideline	Emmanouil Koumbaras		X			
1713	Re-audit of temperature on admission to NICU	Tatjana Rjabova			X		X
1886	Management of obstetrical brachial plexus injuries	Lynn Diskin			X		
Sub-Specialty: Paediatric Anaesthesia							
1330	Audit to assess usage of morphine via patient controlled analgesia in laparoscopic appendectomy	Hannah Blanshard	X	X			X
1721	Perioperative and Postoperative Fluid management in children National Patient Safety Agency (NPSA) Alert 22	Dan Freshwater Turner		X			
1754	An evaluation of the use of proseal laryngeal masks in unpremedicated children	Fiona Kelly		X			X
1755	Evaluation of size 1.5 proseal laryngeal masks in babies undergoing inguinal hernia repair	Fiona Kelly		X			X
1881	Audit of pain following retrogentoneal laparoscopic urological surgery in children	Hugo Wellesley		X			
1884	Audit of anti emetic prescription and practice in postoperative children at Bristol Children's Hospital in 2008	Adrian Upex		X			X
Sub-Specialty: Paediatric Audiology							
1657	Audit of hearing aid review clinics	Dawn O Dwyer		X			
1660	Hearing Tests for Children after Bacterial Meningitis - a re-audit	Melanie Parker			X		X
Sub-Specialty: Paediatric Cardiac Services							
79	Post-Operative Morbidity Following Cardiac Catheterisation	Rob Martin	X	X		X	X
80	Post-Operative Morbidity Following Cardiac Surgery	Graham Stuart	X	X		X	X
81	Radiofrequency Ablation in Paediatric Arrhythmias	Graham Stuart	X	X		X	X

83	Review of Peri-operative Infections	R Martin	X	X		X	X
947	Paediatric cardiac surgery audit (CCAD - Central Cardiac Audit Database)	Andrew Tometzki	X	X		X	X
1482	Are all patients with isomerism being referred for GIT assessment	Gareth Morgan, Ollie Gee	X	X			X
1640	Complications of arterial shunt operation in Congenital Heart Disease	Robert Tulloh		X			
1659	Nursing Documentation Audit	Karen Evans		X			
1738	Retrospective audit of management of pulmonary stenosis in neonates and children with balloon valvoplasty	Syed Ali Raza		X			X
1861	The use of labels to record chromosomal analysis results for paediatric cardiology patients	Gareth Morgan		X			
Sub-Specialty: Paediatric Ear, Nose and Throat (ENT)							
1851	The assessment of objective measures of infection in children with secondary post tonsillectomy haemorrhage	Julie Dando, Nicola Wright		X			X
Sub-Specialty: Paediatric Emergency Department							
1670	The use of bronchodilators in the Emergency Department	Laura Hole		X			
1748	An audit on the management of children with reduced consciousness levels	Rachel Bebb		X			
1784	Treatment of community acquired pneumonia in the Emergency Department (ED)	Alison Kelly		X			X
1803	British Association for Emergency Medicine (BAEM) guidelines for paracetamol overdose / ingestion	Russell Jones		X			
1812	Selection of children for CT scanning post head injury - a retrospective audit of NICE guidance	Richard Parry			X		X
1816	Feverishness illness in children NICE guidance	Helen Mansfield		X			X
1844	audit of Self Harm in children	Anne Frampton		X			
1708	Audit of investigations of the febrile child under six months of age	Helen Avery		X			
Sub-Specialty: Paediatric Endocrinology							
1451	National Diabetes Audit (NCASP)	Christine Burren	X	X		X	X
1700	The management of Childhood Obesity: National Institute for Clinical Excellence (NICE) Clinical Guideline Number 43	Julian Shield, Shelly Easter		X			
1786	Management of Multiple Endocrine Neoplasia (Type 2) Syndromes	Wendy Bailey		X			X
Sub-Specialty: Paediatric Intensive Care (PICU)							
72	Regional Audit of Critical Care Outcomes (Audit of Critically Ill Children)	Carol Maskrey	X	X		X	X

946	PICANet (Paediatric Intensive Care Audit Network)	Peter Davis	X	X			
963	A preaudit of 5 years' experience with patients having a Fontan type procedure	Tim Murphy	X	X			
1319	Peritoneal Dialysis on Paediatric Intensive Care Unit	Simon Law	X	X			
1368	Management of Status Epilepticus in patients referred to Bristol Paediatric Intensive Care Unit from the South West region	Kathryn Jackson	X	X			
1445	Audit to assess elective central venous line insertion in cardiac theatre versus NICE guidelines	Hannah Blanshard	X	X			X
1481	PICU Discharge Delay Re-Audit	Peter Davis	X	X			X
1483	Use of muscle relaxants in Paediatric Intensive Care Unit	Katy Mallam	X	X			
1527	Chest Drain Removal in Post-op Cardiac Paediatric Patients	Sandra Cutts	X	X			X
1547	Bronchiolitis in need of CPAP: outcome project (BINCO)	Helen Brewer	X	X			X
1590	Are we following the protocol for inhaled nitric oxide therapy on PICU?	Clare Skerritt	X	X			
1687	Audit of medical discharge list sticky labels	Sandra Cutts		X			X
Sub-Specialty: Paediatric Nephrology							
1859	An audit of dialysis access service	Rohini Rattihalli		X			X
245	Audit of adequacy of renal replacement	Alison Dick	X	X		X	X
1594	Anaemia management in renal failure: Are we NICE compliant ?	Rosie Fish	X	X			
1719	Management of children in end stage renal failure - a re-audit	Alison Kelly		X			
1788	Patient compliance with routine paediatric nephrology follow up advice	Jonathan Graham		X			X
Sub-Specialty: Paediatric Neurology							
1546	National Institute for Clinical Excellence - Guidance on the diagnosis and management of the epilepsies in children in secondary care	Phil Jardine , Iolander Guarino	X	X			
1768	Folic acid prescription and advice in female young people with epilepsy.	M Almaghrabi		X			X
Sub-Specialty: Paediatric Oncology							
1478	Central line safety training audit	Sarah Berry, Wendy Sagenschitter	X	X			X
1593	Perinatal transmission of HIV: audit of infected infants born in England between 2002 and 2005	Lizzie Hutchison	X	X			X
1722	Congenital adrenal hyperplasia - from diagnosis to transfer to adult services. How are we doing?	Sharon Yee Sit Yu Clare Edmonds		X			X

1753	Aseptic Non Touch Technique audit 2007	Wendy Saegenschnitter			X		X
1846	An audit of glomerular filtration rate practice within the Paediatric Oncology Department	Hannah Cottis		X			X
Sub-Specialty: Paediatric Respiratology							
1479	The use of pH studies in the investigation of children with respiratory disease	Kate Flavin	X	X			
1548	To supply steroid cards to all asthmatics on high dose inhaled steroids	Ahmed Tomerak	X	X			
1565	Is performing bronchoscopy and endobronchial biopsy in children with difficult asthma worthwhile?	Karen Herbert	X	X			
1574	British Paediatric Respiratory Society / British Thoracic Society (BPRS/BTS) Asthma Audit 2006	Deb Marriage	X		X		X
1669	Audit of management of bronchiolitis	Neil Archer		X			
1720	Audit of Pseudomonas and Non - Pseudomonas Cystic Fibrosis Clinics	Jennifer Courtney		X			
1764	Do hospital staff have knowledge of the use of an Epi-pen	David Bartle		X			
1785	Serum levels of vitamin D in children with cystic fibrosis (CF)	Hannah Midwinter		X			X
1794	Asthma in schools	Neil Archer		X			X
1815	Asthma education at discharge	Asha Persaud		X			X
1819	British Paediatric Respiratory Society / British Thoracic Society National Asthma Audit 2007	Deb Marriage		X			X
Sub-Specialty: Paediatric Surgery							
1787	An audit of abdominal pain, query appendicitis, over the last year presenting to Children's Services	Dr Frances Verey		X			X
1860	Re-Audit of emergency theatre list usage	Jonathan Graham		X			X
Sub-Specialty: Paediatric Trauma & Orthopaedics (T&O)							
1827	Audit of management of patients' undergoing external fixation from pre - admission to three months post discharge	Sarah Parry, Sharron Carrie		X			X
1858	The quality of coding for Trauma and Orthopaedic Procedures	Mr Martin Gargan		X			X
1882	Current management of congenital talipes equinovarus (CTEV)	Guy Atherton		X			X
<b>Specialty: Women's Services</b>							
Sub-Specialty: Contraceptive & Sexual Health Services (CASH)							
1443	Re-audit of the management of women requesting abortion	Rosemary Willshaw	X		X		X
1639	Audit of IUD/ IUS fitting documentation	Sharon Bodard			X		

1758	Re-audit of Patient Records for under 16s in CaSH	L Herrera-Vega			X		
1875	Audit of record keeping of repeat issue of Progestogen-only injectable contraception under Patient Group Direction (PGD) 3	Leonor Herrera-Vega		X			X
Sub-Specialty: Gynaecology							
231	The collection of regional gynaecological cancer for the purposes of audit and improvement of management	J Murdoch	X	X		X	X
1286	Surgical complications of radical gynaecological surgery	Melanie Griffin	X	X			
1587	Re-audit of the medical management of miscarriage	Jo Marsden-Williams	X		X		X
1610	NHS Litigation Authority (NHSLA) Documentation Audit	Jackie Moxham	X		X		
1693	The investigations and treatment of couples with recurrent miscarriage	Alero Awala		X			
1765	The management of gestational trophoblastic disease	Caroline Overton		X			X
Sub-Specialty: Obstetrics & Midwifery							
1502	Re-audit of the management of placenta praevia	Jane Farey	X		X		
633	Audit of blood usage on Central Delivery Suite	Annie Tizzard	X	X		X	X
1313	Birthing Suite re-audit	Michelle Fletcher	X		X		
1391	Audit of physiotherapy management of stress urinary incontinence (SUI)	Jess Butterly	X	X			X
1448	Maternal consent for caesarean section - compliance with local guidelines	Christina Snowden	X	X			
1536	Re-audit of the recording of allergy / hypersensitivity information	Louise Howarth	X		X		
1537	Management of hypothyroidism in pregnancy - are we any better?	Louise Ashelby	X		X		
1569	The management of term vaginal breech delivery	Louisa Daoud	X	X			
1571	Re-audit of postnatal glucose tolerance test (GTT) for gestational diabetes mellitus	Natasha Jesudason	X		X		
1586	Audit of operative vaginal delivery - are we adhering to local and national guidelines.	Jo Marden-Williams	X	X			
1588	Prenatal diagnosis of facial clefts	Jane Foster	X	X			
1635	Re-audit of the local guideline for pre-eclampsia, eclampsia and severe hypertension	Sarwat Shaheen			X		
1636	Domestic abuse screening - a re-audit	Belinda Cox			X		X



1637	Fetal Monitoring in Labour - re-audit	Belinda Cox			X		
1638	A series of audits of UNICEF UK Baby Friendly Initiative best practice standards	Sally Tedstone			X		X
1663	An audit of consent for fetal post-mortem.	Thuli Whitehouse		X			X
1664	Student midwives entries in the patient notes	Louise Howarth		X			
1680	Re-audit of shoulder dystocia management	Caroline Besley			X		X
1694	Management of pregnant women who have undergone female genital mutilation (FGM)	Irorho Ejumah		X			
1695	An audit of Hypothyroidism in the 2nd and 3rd trimesters	Bisola Ogidan		X			
1734	Use of antenatal corticosteroids	Polly Weston		X			
1766	Pre-term prelabour rupture of membranes	M Armstrong		X			
1771	Use of fibronectin test in the delivery suite	K Hebert			X		
1775	Re-audit of maternity health records	Jackie Moxham			X		
1811	Re-audit of severe post partum haemorrhage	Cressida Downey			X		X
1831	Fetal vesico-amniotic shunt for lower urinary tract outflow obstruction	Elizabeth Glanville		X			X
1836	Re-audit of Third and Fourth Degree Perineal Tear Management After Vaginal Delivery	Edward Coats			X		X
1838	Chickenpox in pregnancy	Charlotte Sullivan		X			X
1839	Audit into the management of women at high risk of preterm labour through the preterm labour clinic	Kate Collins		X			X
1841	Obstetrics transfusion and iron survey (OTIS).	Sucheta mane		X			X
1862	Re-audit of care of women with pre-gestational diabetes against local and CEMACH standards	Frances Blackmore		X			X
1876	Re-audit of fetal monitoring in labour	Belinda Cox			X		X
1878	Practice and outcomes of operative vaginal delivery at St Michael's Hospital	Abi Oliver		X			X

**Staff in this Division also participated in the following audits, listed under other Divisions:**

<b>Division listed under</b>	<b>Ref</b>	<b>Provisional Title of Project</b>	<b>Participating specialties from this Division</b>
Diagnostic and Therapy	1834	Audit of the importance and usefulness of radiographs of the fore-foot (toes excluding hallux)	Childrens Services
Diagnostic and Therapy	1575	The Introduction of a Radiographer's Image Interpretation Form as an Addendum to the Red Dot.	Childrens Services
Medicine	1155	Transfer of patients from the Children's Hospital diabetes service to the adult service in the BRI	Childrens Services
Medicine	821	Regional audit of Diabetic Pregnancies	Women's Services
Surgery and Head and Neck	1808	Retinopathy of Prematurity screening - re-audit	Childrens Services
Surgery and Head and Neck	1770	Post Caesarean Section Analgesia Audit	Women's Services
Surgery and Head and Neck	538	Audit of Epidural Anaesthesia for Gynaecological Operations	Women's Services
Surgery and Head and Neck	1770	Post Caesarean Section Analgesia Audit	Women's Services
Surgery and Head and Neck	1743	Timely anaesthetic review of patients with cardiac problems presenting to the delivery suite	Women's Services
Surgery and Head and Neck	1743	Timely anaesthetic review of patients with cardiac problems presenting to the delivery suite	Women's Services

## Summary of benefits, actions or changes achieved in 2007/8:

- 1296 - NHS Litigation Authority (NHSLA) documentation re-audit: a multidisciplinary data collection team was introduced this year with an 'NHSLA Data Collection Day' resulting in noticeable improvement in several areas, i.e. presentation of notes (no loose filing); patient name identified on each piece of paper in notes; patient ID number identified on each piece of paper in notes.
- 1313 - Following the audit of the birthing suite it has been agreed that steps should be taken to ensure all new members of staff are aware of birthing suite guidelines, and admission criteria adhered to. All newly qualified midwives are to have adequate experience in birthing suite and attend regular update study days, and regular meetings are to be held discussing the birthing suite.
- 1502 - Following the re-audit of the management of placenta praevia it was recommended that a proforma be developed to clarify the management of patients with placenta praevia, a patient information leaflet be developed and documentation training provided.
- 1528 - Action plan completed to enable better liaison service for Child and Adolescent Mental Health assessment referrals.
- 1537 - Re-audit of the management of hypothyroid women in pregnancy demonstrated some improvement in management. Training days on thyroid disease in pregnancy suggested, but unable to be implemented due to lack of maternal medicine midwife.
- 1569 - Following an audit of the management of term vaginal breech delivery, staff were reminded of the importance of recording the consultant decision on augmentation, and of ensuring that a Senior Registrar is the senior professional on delivery.
- 1571 - Following re-audit of the postnatal glucose tolerance test for gestational diabetes a new notes template for diabetic antenatal clinic was developed.
- 1572 - Following the audit of readmissions for babies during neonatal period the importance of keeping complete feeding charts, weighing babies on days 3-5 and education of mothers on documentation of feeding problems were emphasised.
- 1586 - Audit of operative vaginal deliveries demonstrated good compliance with both local and national guidelines. Appropriately trained staff, in the appropriate place, delivered 100% of the babies. Following the audit a reminder was sent to midwives about the importance of taking paired blood samples.
- 1588 - Audit of prenatal diagnosis of facial clefts indicated that best practice was being adhered to
- 1590 - Audit has resulted in new guidelines on the use of Nitric Oxide – this has reduced Nitric Oxide costs on Paediatric Intensive Care significantly. **This audit received first prize at the UHBristol Clinical Audit Oscars this year.**
- 1610 - Following gynaecology documentation audit, unified notes have been introduced
- 1635 - Re-audit showed clear improvements in compliance with the local guideline for management of pre-eclampsia, eclampsia and severe hypertension. It was also agreed that information on the use of syntocinon should be disseminated, and this was done.
- 1639 - Re-audit of IUD/IUS fitting documentation demonstrated improved compliance with standards. It was agreed that the use of the fitting record proforma should continue, and training in sexual history taking was provided.
- 1640 - A protocol for Blalock Taussig Shunts has been developed and implemented for children undergoing arterial shunt operations
- 1657 - Report findings were shared with clinicians regarding the importance of aided hearing tests re-audit identified on forward plan 2008/09
- 1661 - Audit of management of congenital diaphragmatic hernia demonstrated improved survival compared with previous study periods.
- 1664 - Audit of student midwife documentation undertaken at the request of the Healthcare Commission: results were fed back to the Commission and notes awareness sessions for all staff were continued.
- 1670 - A training programme is being planned for junior doctors on the appropriate use of nebulisers and inhalers in the Emergency Department.
- 1693 - Following an audit of investigations of couples with recurrent miscarriage, suggestions for modifying the recording proforma (to make it more user-friendly) and the management guideline have been passed to the Bristol Fertility and Reproductive Medicine Society (FARMS) for action.
- 1694 - Following an audit of the management of pregnant women who had undergone female genital mutilation, it was agreed that a booking consultation proforma should be developed to ensure appropriate consultant referral of these women.
- 1695 - An audit of hypothyroidism in the second and third trimesters of pregnancy led to the development of a simple sticker proforma for recording thyroid hormone test results.

1696 - Following audits of baby sleeping position, appropriate information leaflets were made available on the wards.

1711 - An audit of antenatal renal pelvis dilatation has led to the investigation of the possibility of a centralised system with one form containing all information

1719 - A re-audit of end-stage renal failure confirmed best practice

1734 - Use of antenatal corticosteroids demonstrated to broadly conform with good practice.

1742 - Training and education identified for June 2008 with a commitment to improving MRSA screening for out of area referrals - priority re-audit identified on 2008/9 Forward Plan

1748 - Report cascaded to emergency department staff. Re-audit identified for 2008/9

1758 - A re-audit of patient records for girls under 16 years of age attending contraception and sexual health clinics, which demonstrated improved record keeping when the "pink form" proforma was used, A memo' was sent to all clinicians reminding them to use the proforma and to receptionists asking them to ensure proforma was always available in notes.

1761 - This audit highlighted good practice (90% compliance) – when benchmarked with four other UK Paediatric Centres, UHBristol had the most favourable results. There is a commitment to improving through education and training and providing suitable alternative identification for those patients who cannot wear bracelets.

1766 - Audit of pre-term prelabour rupture of membranes demonstrated good compliance with agreed standards.

1771 - The importance of following the guideline for the use of the fibronectin test was emphasised at the O&G educational "Thursday" meeting, and it was agreed that part of the guideline should be revised.

1775 - Learning points from the re-audit of maternity health were disseminated by the Patient Safety Manager, including presentation at the Departmental Audit meeting.

1789 - Trainees are now educated at induction regarding growth charts, guideline development underway.

1881 - Audit confirmed best practice with regard to conversion to open surgery rate and compliance with morphine requirements compared with other centres.

1884 - The Emergency Department junior doctors' orientation programme now includes Trust Guidelines for Deliberate Self Harm management.

1886 - An audit of management of obstetrical brachial plexus injuries demonstrated good compliance with audit standards for inpatient management. The feasibility of simplifying outpatient follow-up is to be investigated.

### 3.8 NON-DIVISION SPECIFIC

#### SUMMARY FIGURES

2006/7 roll-overs <<		2	(includes 1 abandoned – see Appendix B)
Audits first registered in 2007/8	First audits <b>A</b>	2	
	Re-audits <b>R</b>	0	
	Ongoing monitoring projects <b>O</b>	0	
<b>Total number of audits</b>		<b>4</b>	
Completed audits		1	
Current (uncompleted) audits carried forward >>		3	(includes 2 ongoing monitoring projects)

#### PROJECT LIST

The "No." refers to the registration number of the project on the Audit Project Management Database

**X** indicates the audit is of the type specified

Ref	Provisional Title of Project	Name	<<	A	R	O	>>
1510	Saving Lives – a programme to reduce healthcare associated infections	Carly Hall	X	X		X	X
1620	Infection Control Clinical Care Audit	Carly Hall	X	X			X
1757	Trust wide Audit of Compliance with Anaesthetic Machine Checking	Dawn Scott		X			
1820	An audit of 24 hour observation charts	Sandra Harriss		X		X	X

#### Summary of benefits, actions or changes achieved in 2006/7

1757 - Trustwide guidelines on machine checks have been agreed with the Anaesthetic Department and theatre staff. Standardised log books for recording the checking procedure are now in place Trustwide.

## Appendix A - UHBristol Clinical Audit Staff (*as at 31/03/08*)

DIVISION	SPECIALTY	AUDIT SUPPORT	ROLE & W.T.E	AUDIT CONVENOR
Diagnostic & Therapy	Laboratory Medicine	Isabella To	Audit facilitator (0.8)	Dr Paul Thomas
	Medical Physics & Bioengineering			Mr Phil Quirk
	Pharmacy			Sally-Ann Hall
	Physiotherapy			Linda Clarke
	Audiology (adult), Occupational Therapy, Orthotics, Nutrition & Dietetics, Speech & Language Therapy (adult)			<i>N/A – contact Heads of Service</i>
	Radiology	Sally King	Superintendent Radiographer, QA, Audit (estimated 0.2)	Dr Charles Wakeley
Medicine	Medical Specialties	Salim Nureni	Audit facilitator (1.0)	Dr Robert Marshall
	Emergency Services			Dr Sarah Woolley
Specialised Services	Cardiac Services	David Finch	Audit (0.5) & data manager	Mr Raimondo Ascione (Cardiac Surgery) & Dr Angus Nightingale (Cardiology)
	Homeopathy	Sue Barron	Audit facilitator (0.4)	Dr Liz Thompson
	Oncology & Haematology	Mairead Dent	Audit facilitator (1.0)	Dr Paula Wilson
Surgery & Head & Neck	Dental Services & Maxillo-facial Surgery	Jonathan Penny	Audit facilitator (0.8)	Mr Nigel Harradine
	Ophthalmology			Ms Cathy Williams
	Anaesthesia, Critical Care & Theatres	Stuart Metcalfe	Audit facilitator (1.0)	<i>vacant</i>
	General Surgery			Mr Mark Wright
	Orthopaedics (T&O)			Mr Jonathan Eldridge
	Adult ENT	Richard Hancock	Audit facilitator (0.8)	Mr Graham Porter
Obstetrics & Gynaecology	Mrs Alero Awala			
Women & Children's	Neonatology	Chrissie Gardner	Audit facilitator (1.0)	Mr Stephen Marriage
	Children's Services			

Clinical Audit Central Office	Chris Swonnell	Assistant Director of Audit and Assurance (includes 0.25 clinical audit)
	Eleanor Bird	Assistant Clinical Audit Manager (0.6)
	Carl Thomas	Audit clerk (0.8)

### Membership of the Clinical Audit Committee

Dr Carol Inward (Chairman)  
 Chris Swonnell (Assistant Director for Audit and Assurance)  
 Eleanor Bird (Assistant Clinical Audit Manager)  
 Phil Hall (Assistant Director to the Medical Director)  
 Clinical Audit Convenors - see above

## Appendix B – Clinical Audit projects abandoned during 2007/8

The majority of the projects listed below were abandoned after the project was started (i.e. after data collection had commenced)

Division	Specialty	Sub-Specialty	Project ID	Title	Reason Deferred
Diagnostic and Therapy	Laboratory Medicine	Infection Control	1250	Management of MRSA positive patients	Abandoned because other audits of MRSA prevention measures have taken priority. However, phase 1 data collection was completed. As a result MRSA care pathway is implemented and is being audited under project 1903.
Diagnostic and Therapy	Laboratory Medicine	Microbiology	915	Is the antibiotic assay service used appropriately?	Both project lead and supervisor left the trust. No record of results, action plan or report available.
Medicine	Medical Specialties	Medicine for the Elderly	1544	Audit of hospital death in the elderly	Project Lead did not submit the collected data neither a report. Subsequently left the Trust
Medicine	Medical Specialties	Medicine for the Elderly	1555	Audit of management of patients with type 2 diabetes in the elderly care department	Project Lead did not submit the collected data neither a report. Subsequently left the Trust
Specialised Services	Cardiac Services	Cardiac Anaesthesia	1399	Glycaemic Control Following Adult Cardiac Surgery	Halted because of academic commitments. Since superseded by project 1657
Specialised Services	Cardiac Services	Cardiology	367	Prophylaxis for patients who have experienced a MI	Superseded by MINAP
Specialised Services	Cardiac Services	Cardiology	368	Glycoprotein IIb/IIIa inhibitors for acute coronary syndromes	Work continues under project 809
Specialised Services	Cardiac Services	Cardiology	369	Coronary artery stents in the treatment of ischaemic heart disease	Work continues under project 809
Specialised Services	Cardiac Services	Cardiology	546	Drug eluting stents for prevention of restenosis	Work continues under project 809
Specialised Services	Cardiac Services	Cardiology	1406	Use of Anti-thrombotic and anti-platelet agents as adjuvant therapy during and after PCI	Insufficient resources
Specialised Services	Cardiac Services	Cardiology	1410	Management of Acute ST-elevation Myocardial Infarction (STEMI) and failed thrombolysis	Insufficient resources
Specialised Services	Cardiac Services	Cardiology	1692	Implantable cardioverter defibrillators for arrhythmias	Wait for allocation of staff
Specialised Services	Cardiac Services	Cardiology	1692	Implantable cardioverter defibrillators for arrhythmias	Insufficient resources

Surgery and Head and Neck	Anaesthesia	Acute Pain Services	1289	The Pain Clinic - Assessing outcomes	The data we obtained from the database in the pain clinic was of poor quality. Attempts were made to analyse
Surgery and Head and Neck	General Surgery	Lower GI (Gastrointestinal) Surgery	1101	Factors involved in post operative length of stay of patients undergoing elective colorectal procedures in the Bristol Royal Infirmary	Lead left the Trust. Not viewed as a priority piece of work within Colorectal surgery
Surgery and Head and Neck	General Surgery	Urology	1431	Emergency admissions and the right consultant	Lead involved in many other audits and has now left the trust. The issue of consultant names associated with patients has been dealt with by other means.
Surgery and Head and Neck	Integrated Critical Care Services	ITU/HDU	1068	An audit of newly started ITU medications and their continuation into the community	Problems with the project including filling out of proforma. Inability to obtain relevant and accurate follow up information from the Avon Software
Surgery and Head and Neck	Maxillo-facial surgery & Adult Ear, Nose and Throat (ENT)	Ear, Nose and Throat (Adult ENT)	1501	Are we meeting national clinical standards for head and neck cancer waiting times - re-audit	Cancer waiting times are being managed elsewhere within the Trust - UHBristol Cancer Services.
Surgery and Head and Neck	Maxillo-facial surgery & Adult Ear, Nose and Throat (ENT)	Ear, Nose and Throat (Adult ENT)	1649	An audit into the use of diathermy during tonsillectomy (NICE IPG 150)	Insufficient consensus on appropriate service organisation
Surgery and Head and Neck	Maxillo-facial surgery & Adult Ear, Nose and Throat (ENT)	Ear, Nose and Throat (Adult ENT)	1650	An audit into the length of hospital stay of tonsillectomy patients	Insufficient consensus on appropriate service organisation
Surgery and Head and Neck	Ophthalmology	Cornea & Cataract	1376	Dropped nuclei as a complication of cataract surgery	Audit lead left Trust. Rate of dropped nuclei now included in annual comparative audit of cataract surgery.
Surgery and Head and Neck	Ophthalmology	Glaucoma & Shared Care	887	Audit of Bleb Needling	Original data collector left Trust - difficulty finding someone to complete and present audit - audit data now several years old.
Surgery and Head and Neck	Ophthalmology	Cornea & Cataract	1259	Treatment of Posterior Capsule Opacification	Insufficient evidence to devise rigorous standards and other difficulties with methodology.
Women's and Children's	Childrens Services	Paediatric Intensive Care (PICU)	493	Audit of the documentation of Invasive Procedures undertaken on PICU and consent for Invasive Procedures undertaken on PICU	The consultant group did not think there was any thing to be gained from the audit.
Women's and Children's	Childrens Services	Paediatric Oncology	815	Paediatric Cancer Defining the pathway for children in the South West	Consultant lead left the Trust, no further information available
Women's and Children's	Childrens Services	Paediatric Surgery	1480	Choice of radiological imaging in investigation of paediatric blunt abdominal trauma	No information available from audit team
Non-division specific	Trust-wide		1071	Research Study Monitoring	All aspects to be carried out by R&D team, no need to be registered as clinical audit



## Appendix C - Clinical Audit projects with status of 'deferred' at end of 2007/8 financial year

The below list contains projects that were deferred in the 2007/8 financial year and that remained deferred by the end of the year.

Division	Specialty	Sub-Specialty	Project ID	Title	Reason Deferred
Diagnostic and Therapy	Pharmacy		1521	An audit of in-patient prescription writing	Audit lead on maternity leave until June 2008
Specialised Services	Cardiac Services		685	Essence of Care Benchmarking Audit	Insufficient CAF resources
Specialised Services	Cardiac Services	Cardiac Anaesthesia	1474	Central line associated infections in the Cardiac Intensive Care Unit	Due to academic commitments of lead
Specialised Services	Cardiac Services	Cardiac Intensive Care	1408	Readmission from wards 5A and 5C to the Cardiac Intensive Care Unit	Insufficient CAF resources
Specialised Services	Cardiac Services	Cardiology	1398	Transfer in audit: Ward28	Insufficient CAF resources
Specialised Services	Cardiac Services	Cardiology	1411	Heart Failure: management of in-patients and out-patients	Insufficient audit resources
Specialised Services	Cardiac Services	Cardiology	1477	Valvular Heart Disease	Staff left Trust - chasing final report
Specialised Services	Cardiac Services	Cardiology	1507	Bleeding complications post femoral arterial line closure	Staff left Trust - chasing final report
Specialised Services	Cardiac Services	Cardiology	1526	The false positive rate of treadmill testing in women under the age of 50	Audit support resources exceeded - not a priority project
Specialised Services	Cardiac Services	Cardiology	1622	Biventricular pacemakers	Staff left Trust - chasing final report
Surgery and Head and Neck	Anaesthesia	Day Surgery Anaesthesia	1249	The use of Fentanyl and time spent in the recovery room	Deferred due to organisational change (creation of new day surgery unit,QDU)
Surgery and Head and Neck	Orthopaedics (T&O)		1262	Nil By Mouth in Pre op Orthopaedic patients	Lead on maternity leave, no resources to continue audit at present

## Appendix D - Clinical Audit projects with status of 'Transferred to SR database' at end of 2007/8 financial year

The below list contains projects that were transferred to the new Service Review database in the 2007/8 financial year

Division	Specialty	Sub-Specialty	Project ID	Title
Medicine	Endocrinology & Diabetes	Diabetes & Endocrinology	629	Outcome of Management of Patients with Acromegaly (National database)
Specialised Services	Homeopathy		1627	Homeopathic Hospitals Outcome Project (HHOP): Establishing national best clinical practice outcomes
Surgery and Head and Neck	Dental	Orthodontics	192	Osteotomies - regional

## Appendix E - UHBristol Clinical Audit Forward Plan 2008/9

The forward plan below details projects to be carried out in the 2008/9 financial year, by Division. This is in addition to the projects listed in the main bulk of the report which are incomplete or ongoing monitoring projects, which will be carried forward into the next financial year.

### Key:

PPI – whether audit involves patients/carers  
 MP / MD – whether audit is multi-professional/multi-disciplinary  
 Other Orgs – involves other healthcare organisations

Y in column indicates that this aspect is included in the proposed audit. Further details on PPI and other organisations given in Rationale

Please note that the contact in the 'Senior Lead' column may not be the person who will carry out the audit (the project lead), but the senior member of staff who will supervise the project and lead on any changes in practice necessary. The Senior Lead's name is followed by an indication of seniority and profession, including abbreviations as follows:

Cons – Consultant                                      Supt. – Superintendent                                      DM – Divisional Manager  
 SpR – Specialist Registrar                                      Sen. – Senior                                      Asst. - Assistant  
 SHO – Senior House Officer                                      CNS. – Clinical Nurse Specialist                                      Adv. Pract. – Advanced Practitioner

NICE/NSF guidance which is not to be audited is described under each Division's forward plan, with an explanation why. This does not include any guidance mentioned in the forward plans in previous annual reports, unless the situation has since changed.

## DIAGNOSTIC & THERAPY

Audits involving these specialties are listed within the relevant Clinical Division where more appropriate, and cross-referenced below in italics. Please see the relevant Division (details in Sub-Specialty column) for further details.

Project	Sub-Specialty	Lead	Rationale for audit	PPI	MP / MD	Other Orgs
<b>Laboratory Medicine</b>						
Audit of cervical biopsies and loop excision of cervical transformation zone and diagnosis with cervical smear	Histopathology	Joya Pawade (Cons)	National Health Services Cervical Screening Programme Guidelines (2004)		Y	
Histological reporting of endometrial cancer against Royal College dataset (re-audit)	Histopathology	Joya Pawade (Cons)	Re-audit ID 1509 Royal College of Pathologists standards and minimum dataset for reporting of endometrial cancer (March 2001)			
Identification and Management of Familial Hyperlipidaemia	Clinical Biochemistry	Graham Bayley (Cons)	NICE guidelines. Anticipated publication date August (2008)		Y	
National Comparative Audit of the use of fresh, frozen plasma	Laboratory Haematology	Edwin Massey (Cons)	Part of the audit programme for the National Comparative Audit of Blood Transfusion (2008)		Y	
Management of blood cultures with isolation of Gram negative organisms (re-audit)	Microbiology	Isabel Baker (SpR)	Re-audit ID 1887 Local standards of documentation (2008)			
<b>Infection Control</b>						
Audit of MRSA care pathway	Infection control	Stephanie Carroll (Nurse)	UHBristol policy on Management of MRSA including care pathway (October 2007)		Y	
Cleaning of equipment and the compliance with cleaning responsibilities	Infection control	Stephanie Carroll (Nurse)	Infection Control Guidance Manual (2007)			

Project	Sub-Speciality	Lead	Rationale for audit	PPI	MP / MD	Other Orgs
Use of <i>Clostridium difficile</i> Management Pack	Infection control	Karen Fletcher (Nurse)	Management Pack for <i>Clostridium difficile</i> (2006)			
MRSA out of area referrals	Children's Services					
<b>Pharmacy</b>						
Audit of Antibiotic Prescribing Guidelines for Adult Cardiac Surgery	Pharmacy Anaesthesia Microbiology	Jacqueline Cripser (Pharmacist)	Antibiotic prescribing guidelines for the prophylaxis and the empirical treatment of infections in adult cardiac surgery (September 2007)		Y	
Medicines reconciliation in adults	Pharmacy	Kevin Gibbs (Pharmacy manager)	NICE / NPSA Patient Safety Guidance 1 (2007) UHBristol Medicines Management Audit Plan		Y	
Administration of liquid medicines via oral or other enteral routes	All clinical Divisions Pharmacy					
Safe administration of epidural medicines	All clinical Divisions Pharmacy					
<b>Physiotherapy</b>						
Re-audit of physiotherapy documentation	Physiotherapy	Linda Clark (supt. II physiotherapist)	Re-audit ID 1783 Chartered Society of Physiotherapy guidelines (2005)			
Discharge process for patients on the elderly rehabilitation wards at the Bristol General Hospital	Physiotherapy	Lin Leong (Sen. physiotherapist)	Trust standards for discharge process for patients on the elderly rehabilitation wards (2007)		Y	
Physiotherapy management of general medical patient	Physiotherapy	Georgina Grimshaw (junior physiotherapist)	Trust standards for management of general medical patient.			
Physiotherapy management of patients with acute exacerbation of chronic obstructive pulmonary disease	Physiotherapy	Louise Coates (junior physiotherapist)	Trust standards for management of acute exacerbation of chronic obstructive pulmonary disease (2004)			
National Clinical Audit for Falls and Bone Health in Older People	Medical Division Occupational Therapy Physiotherapy					
<b>Occupational Therapy</b>						
National Clinical Audit for Falls and Bone Health in Older People	Medical Division Occupational Therapy Physiotherapy					
<b>Nutrition And Dietetics</b>						
Standard of dietetic record card	Nutrition and Dietetics	Faith Brown (Sen. dietitian)	UHBristol Dietetic notes proforma			
<b>Adult Speech And Language Therapy</b>						
Re-audit of Dysphagia standards	Adult Speech & Language Therapy	Anna Daniell (speech therapist)	Re-audit ID 1883 Royal College of Speech & Language Therapy guidelines (2005), and departmental guidelines			

<b>Medical Physics And Bioengineering</b>						
Treatment of symptomatic carotid stenosis.	Vascular Studies	Teresa Robinson (Cons.)	Recommendations of European Carotid Surgery Trial on endarterectomy for recently symptomatic significant carotid stenosis (May 1998)		Y	Y
<b>Adult Audiology</b>						
Protocol for real-ear measurements	Adult Audiology	John Bond Dunja Nieuwoudt (sen. audiologist)	British Society of Audiology's protocol for real-ear measurements (July 2007)			
<b>Radiology</b>						
Success and complication following radiologically-guided percutaneous nephrostomy insertion	Radiology	Huw Roach (cons.)	Society of Cardio-Vascular and Interventional Radiology standard of practice (2001)		Y	
Pelvic X-ray Gonad Protection	Radiology	Stephanie MacKenzie (Cons)	Ionizing Radiation (Medical Exposure) Regulation (2000)		Y	
Re-audit of CT Head, irradiation of the Lens	Radiology CT	Amanda Isaacs (SpR), Adam Wallis (SpR)	Re-audit ID 1845 Local standards for topogram positioning during CT head scans (2007)		Y	
Advance Practitioner Trauma Reporting	Radiology A&E	Simon Brown (advance practitioner radiographer)	Trust protocol for radiographer reporting plain X-rays (November 2007)		Y	
Re-Audit of ultrasound Guided Injections	Radiology	Williams Hicks (SpR) Charles Wakeley (Cons)	Re-audit ID 1629 Local standards for symptomatic improvement for pain relief (2007)			

Note: Not expecting any projects in 2008/9 from Orthotics as very small department (two members of staff). Aim to include in multi-specialty audits as appropriate and invite to include project on forward plan on 2-3 yearly basis.

Details of NICE/NSF guidance **not** being audited, with reason why:

- CG32: Nutrition support in adults - An audit was completed in 2008 and an action plan was developed and implemented. It will be re-audited in 2009/2010.

## Medicine

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
<b>Medical Specialties</b>						
Administration of liquid medicines via oral or other enteral routes	All relevant medical specialties	Annie Wright (Sen. Nurse)	UHBristol Medicines Management Audit Plan, NPSA Alert 19, (Issued		Y	
Pharmacological thromboprophylaxis in adult medical patients	All relevant medical specialties (Led by MAU)	Adam Whittle (Cons)	UHBristol Medicines Management Audit Plan, NPSA (Issued February 2008)		Y	
Antibiotic prescribing	All relevant medical specialties	James Catterall (Cons)	Divisional empirical antibiotic guidelines and Trust wide antibiotic guidelines (July 2006)		Y	

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
Dementia (Alzheimer's)	Care of the elderly	Jane Buswell (Nurse Cons)	NICE CG42/ NICE TA111 (Issued: Nov 2006)		Y	
National Audit of Continence Care	Care of the Elderly	Sarah Caine (Cons)	Royal College of Physicians' National Audit			
Falls and Bone Health in Older People	Care of the Elderly, Physiotherapy, Occupational Therapy	Rachel Bradley (Cons)	Health Care Commission National Audit		Y	
National Sentinel Stroke Audit	Care of the Elderly	Sarah Caine (Cons)	Royal College of Physicians' National Audit			
Management of atopic dermatitis in childhood	Dermatology	David de Berker (Cons)	NICE CG57 (Issued: Dec 2007)			
Management of skin cancer in Skin cancer MDT	Dermatology	David de Berker (Cons)	NICE Improvement of Outcomes guidance. Re-audit of 1446			
Management of diabetic ketoacidosis	Diabetic & Endocrinology	Karin Bradley (Cons)	Guidelines for the management of diabetic ketoacidosis, British Society of Paediatric Endocrinology and Diabetes (BSPED), (February 2004)			
Alcoholic Hepatitis	Gastroenterology & Hepatology	Peter Collins (Cons)	New Glasgow alcoholic hepatitis score, Royal College of Physicians of Edinburgh (2005)			
Appropriateness of provision of BIPAP equipment to patients	Respiratory	James Catterall (Cons)	Rolled over from 07/08. Clinical standard for the assessment and prescription of domiciliary oxygen therapy, British Thoracic Society (BTS), January 2006		Y	
National Chronic Obstructive Pulmonary Disease (COPD) Audit	Respiratory	James Catterall (Cons)	Royal College of Physicians' National Audit			
Ankylosing Spondylitis Audit	Rheumatology	Robert Marshall (Cons)	Adalimumab, etanercept, and infliximab for the treatment of ankylosing spondylitis (NICE technology appraisals in development, Final Appraisal (October 2007)		Y	
Use of anti-TNF in Rheumatoid arthritis (Re-audit)	Rheumatology	Robert Marshall (Cons)	NICE TA130 (Issued: Oct 2007) Re-audit of 1046			
Management of Late Syphilis	Genitourinary/ Sexual Health	Andrew Leung (Cons)	Guidelines on Management of Syphilis, D.Mital, March 2005, Milne Centre UHBristol			
Management of Genital Herpes	Genitourinary/ Sexual Health	Andrew Leung (Cons)	National Guideline for the Management of Genital Herpes, British Association for Sexual Health and HIV (BASHH), 2007			

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
Management of Candidiasis	Genitourinary/ Sexual Health	Andrew Leung (Cons)	National Guideline on the Management of Vulvovaginal Candidiasis, British Association for Sexual Health and HIV (BASHH), 2002			
<b>Emergency Department (Adult)</b>						
Early management of head injury	ED (Adult)	Nigel Rawlinson (Cons)	NICE CG56 (Issued: Sept 2007)			
Management of acute pancreatitis	ED (Adult)	Nigel Rawlinson (Cons)	Rolled over from 07/08. British Society Gastroenterology Guidelines			

## Specialised Services

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
<b>Cardiac Services</b>						
NHSLA documentation audit	Service-wide	Graham Brant (Sen. Nurse)	NHSLA Standard 4.4 (Acute Standards, April 2008)			
NPSA Alerts 19 & 21	Cardiac Surgery (adult)	Graham Brant (Sen. Nurse)			Y	
Endovascular Stenting	Cardiac Surgery (adult)	Gavin Murphy (Cons)	NICE guideline IPG 127 (June 2005)			
Cardiac Resynchronisation Therapy	Cardiology	Sujatha Kesavan (SpR) / Esther Shamoon	NICE guideline TA 120 (May 2007)			
Standard of Post-MI (Myocardial Infarction) care	Cardiology	Jenny Tagney (Adv. Pract)	NICE guideline CG48 (May 2007)			
<b>Homeopathy</b>						
Re-audit of goal setting	Homeopathy	Elizabeth Thompson (Cons)	Re-audit of 1623 to see if setting of treatment goals has improved			
NHSLA documentation audit	Homeopathy	Elizabeth Thompson (Cons)	NHSLA Standard 4.4 (Acute Standards, April 2008)			
Audit of Package of Care and Discharge Policy	Homeopathy	Elizabeth Thompson (Cons)	National Project - Homeopathic Hospitals Outcome Project (HHOP): (Service Evaluation database project no 2) has revealed need to review hospital treatment package of care and discharge policy			
<b>Oncology</b>						
Blood Transfusions	Oncology	Paula Wilson (Cons)	Assess adherence to UHBristol Blood transfusion Policy V.3 Sept 06		Y	
Carmustine Implants & Temozolomide for treatment of high grade glioma	Oncology	Kirsten Hopkins (Cons)	NICE TA 121 (June 2007)		Y	
NHSLA	Oncology	Paula Wilson (Cons) / Hayley Long (Matron)	NHSLA Standard 4.4 (Acute Standards, April 2008)		Y	

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
Consent for radiotherapy	Oncology	S Humphreys (Supt Radiographer) / K Bannerman (Supt Radiographer)	Re-audit project 1338		Y	
Completion of Pregnancy forms – radiotherapy	Oncology	S Humphreys (Supt Radiographer) / K Bannerman (Supt Radiographer)	Re-audit project 1298		Y	
1 <sup>st</sup> Prescription prescribing – compliance with BHOC Standard Operating Policy	Oncology	J Braybrooke (Cons) / R Herrington (Senior Nurse)	Assess adherence to BHOC Standard Operating Procedure for chemotherapy April 08		Y	
Rituxumab – follicular Non-Hodgkins Lymphoma	Oncology	M Beasley (Cons)	NICE TA 110 (Sept 2006)		Y	
Use of bisphosphonates in management of hypercalcaemia	Palliative Medicine	Rachel Mccoubrie (Cons)	Network audit to assess adherence to ASWCS Network Guidance (March 2007)		Y	
Allergy recording in patient notes	Haematology	Roger Evely	Re-audit of Project 1457 (2006-7)		Y	

Details of NICE/NSF guidance **not** being audited, with reason why:

- TA135: Mesothelioma – perimetrexed disodium - Funding from May 2008 Small numbers of patients presenting therefore plan to include in 2009/10 Plan when sufficient patient numbers should be available to audit.
- TA129: Multiple Myeloma – bortezomib - Guidance implemented early 2008 - Dr Bird Consultant Haematologist will undertake an audit in 2009

## Surgery, Head and Neck

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
<b>Anaesthesia And Critical Care</b>						
An audit of anticoagulation for patients undergoing eye blocks	Anaesthesia	Steve Mather (Cons)	Change in practice requiring evaluation			
Auditing anaesthetic chart documentation	Anaesthesia	Diana Terry (Cons)	Royal College guidelines record keeping		Y	
Waste disposal within theatres	Anaesthesia/ Theatres	Jayne Marron (Theatre Manager) Tom Martin (SHO)	Re audit of 1767 following change in practice within theatres		Y	
Auditing the contents of the difficult airway trolley	Anaesthesia/ Theatres	Diana Terry (Cons)	Audit following introduction of a new difficult airway trolley		Y	
Accidental dural puncture	Obstetric Anaesthesia	Mark Scrutton (Cons)	Compliance with CNST maternity standard 4.3.1			
Regional anaesthesia conversion rates for caesarean section	Obstetric Anaesthesia	Mike Kinsella (Cons)	Re audit of 1703 - compliance with Royal College Obstetric Anaesthesia standards (March 2006)			
The use of peripheral nerve stimulators within theatres	Theatres	Frances Forrest (Cons)	Auditing the availability of nerve stimulators. Based on Royal College minimum monitoring standards (March 2007)		Y	



Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
The management of inadvertent perioperative hypothermia in adults	Theatres/ Nursing	Frances Forrest (Cons) Ahmed Elwishi (SpR)	NICE CG 65 (April 2008)		Y	
Anaesthetic machine checking – An audit	Theatres	Dawn Scott (ADM)	Re audit of 1757 following change in practice within theatres		Y	
<b>Surgical Specialties</b>						
NHSLA documentation audit	All Surgical Specialties	Mark Wright (Cons)	NHSLA Standard 4.4 (Acute Standards, April 2008)		Y	
Administration of liquid medicines via oral or other enteral routes	All Surgical Specialties	Louise Quinncy (Head of Nursing)	UHBristol Medicines Management Audit Plan, NPSA Alert 19 (March 2007)		Y	
Safe administration of epidural medicines	All Surgical Specialties	Louise Quinncy (Head of Nursing)	UHBristol Medicines Management Audit Plan, NPSA Alert 21 (March 2007)		Y	
The accuracy of ultrasound of auxiliary lymph nodes in breast cancer patients	Breast	Zen Rayter (Cons)	Audit of locally developed UHBristol protocol (Jan 2008)		Y	
A good benchmark for multi-professional involvement	Lower GI	Rob Longman (Cons)	New procedure ratified by new procedures committee. Outcomes of this patient group will be audited.			
Audit of the Insertion of a Pleurx pleural catheter	Thoracic	Tim Batchelor (Cons)	New procedure ratified by new procedures committee. Outcomes of this patient group will be audited.			
Ensuring correct site surgery	Trauma & Orthopaedics	Jonathan Eldridge (Cons)	Re audit of 1094		Y	
Venous Thromboembolism audit	Trauma & Orthopaedics	Jonathan Eldridge (Cons)	NICE CG 46 (Apr 2007)			
Falls assessments within the fracture clinic	Trauma & Orthopaedics	Juliet Pitman (CNS)	To ensure that all appropriate patients are risk assessed. Requirement within the NSF for older people (March 2001)		Y	
An audit of the fracture liaison service	Trauma & Orthopaedics	Juliet Pitman (CNS)	Re audit of 1525 following implementation of FITOS software		Y	
An audit of risks and complications of feeding jejunostomy	Upper GI	Ian Pope (Cons)	Comparison of local complication rates to those published nationally/internationally		Y	
Laparoscopic adrenalectomy – an audit	Urology	Mark Wright	Comparison of practice against published research			
Laparoscopic deroofing of simple renal cysts	Urology	Mark Wright	NICE IPG 226 (July 2007)			
Consent For Transurethral Prostatectomy: What Do We Tell Our Patients?	Urology	Richard Pearcy (Cons) Raj Persad (Cons)	To review written recording of consent about risks and complications following transurethral resection of prostate and comparing with British Association of Urology (BAUS) specific consent form.			

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
Endovenous radiofrequency ablation of superficial varicose veins	Vascular	Marcus Brooks (Cons)	New procedure ratified by new procedures committee. Outcomes of this patient group will be audited.			
<b>ENT</b>						
Re-Audit of Health Records	ENT	Graham Porter (Cons) / Hilary Hiscox (Ward Manager)	NHSLA Standard 4.4 (Acute Standards, April 2008)		Y	
Re-audit of fine needle aspiration (FNA) results in the Ear, Nose and Throat (ENT) Department	ENT	Graham Porter (Cons)	To assess progress following audit 1388		Y	
Re-audit of the use of ENT Urgent Clinic	ENT	Graham Porter (Cons)	To assess progress following audit 1598		Y	
Use of Magnetic Resonance Imaging (MRI) in ENT	ENT	Sakti Vadasalam (Clinical Fellow) / Richard Sim (Cons)	To check technique used appropriately (Charing Cross Guidelines)		Y	
Administration of liquid medicines via oral or other enteral routes	ENT	Hilary Hiscox (Ward Manager)	UHBristol Medicines Management Audit Plan, NPSA Alert 19 (Mar 07)		Y	
<b>Dental</b>						
Antibiotic prophylaxis for endocarditis	Oral Medicine	Tony Brooke (Associate Specialist)	New NICE Clinical Guideline (CG64) on prophylaxis against endocarditis published March 08		Y	
NHSLA Documentation audit	All Dental sub-specialties	Nigel Harradine (Cons)	NHSLA Standard 4.4 (Acute Standards, April 2008)		Y	
Quality and reporting of radiographs	Salaried Primary Care Dental Service	Katherine Walls (Senior Dental Officer)	Determine whether staff are complying with Ionising Radiation (Medical Exposures) Regulations in community clinics		Y	
Removal of wisdom teeth – re-audit	Oral Surgery	Jonathan Cowpe (Cons)	Compare departmental practice and reasons for referral from primary care with NICE TA1 guidance (previous audit 710)		Y	Y
Breakage rate of moveable orthodontic retainers	Orthodontics	Nikki Atack (Cons) / Nigel Harradine (Cons)	Compare the local breakage rate of vacuum-formed retainers to those reported in the literature		Y	Y
Valid written consent for patients undergoing inhalation sedation – re-audit	Paediatrics	Deborah Franklin (Cons)	Determine whether improvements made in obtaining consent since previous audit 1333			
<b>Ophthalmology</b>						
Lucentis (ranibizumab) for treatment of Age-Related Macular Degeneration	Medical & Surgical Retina	Clare Bailey (Cons)	Forthcoming NICE Technology Appraisal (June 08) on pegaptanib and ranibizumab for Age-Related Macular Degeneration.			
Retinopathy of Prematurity screening – re-audit	Paediatrics, Oculoplastics & Squint	Cathy Williams (Cons)	New Royal College of Ophthalmologists guidelines (December 07) which expand standards previously audited (1808)		Y	

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
Community Orthoptic Referrals to Ophthalmologists	Orthoptics & Optometry	Ann Starbuck (Head Orthoptist)	Determine whether referrals from Orthoptic Department staff in the community meet the department's own guidelines.			
Reduction of risk of transmission of Creutzfeld-Jakob Disease (CJD) via interventional procedures	Medical & Surgical Retina	Jenny Ward (Theatres Manager)	Determine whether the Eye Hospital is complying with NICE IPG196 guidance (November 2006) on risk of CJD transmission		Y	
Glaucoma follow-up clinics – re-audit	Glaucoma & Shared Care	Paul Spry (Head Optometrist)	Determine whether improvements made in timely follow-up and appropriate management of patients since previous audit 1589		Y	
NHSLA Documentation audit	All Ophthalmology sub-specialties	Cathy Williams (Cons)	NHSLA Standard 4.4 (Acute Standards, April 2008)		Y	

Details of NICE/NSF guidance not being audited, with reason why:

**Procedure not undertaken**

- IPG 216: Tissue-cultured limbal stem cell allograft transplantation for regrowth of corneal epithelium – Not recommended by NICE and not carried out at Bristol Eye Hospital
- IPG 217: Ultrasound-guided foam sclerotherapy for varicose veins.
- IPG 218: Therapeutic sialendoscopy
- IPG 219: Lower limb deep vein valve reconstruction for chronic deep venous incompetence.
- IPG 221: Closure of anal fistula using a suturable bioprosthetic plug.
- IPG 222: Endoscopic augmentation of the lower oesophageal sphincter using hydrogel implants for the treatment of gastro-oesophageal reflux disease
- IPG 225: Corneal implants for the correction of refractive error - Not recommended by NICE and not used by Bristol Eye Hospital
- IPG 229: Laparoscopic repair of abdominal aortic aneurysm.
- IPG 235: Intravesical microwave hyperthermia with intravesical chemotherapy for superficial bladder cancer.
- IPG 240 & 241: Soft-palate implants for simple snoring / obstructive sleep apnoea - not used by Oral and Maxillofacial Surgery at this trust
- IPG 247: Thoracoscopic excision of mediastinal parathyroid tumours.
- IPG 249: Ultrasound-guided catheterisation of the epidural space
- IPG 250: Arteriovenous extracorporeal membrane carbon dioxide removal.
- IPG 251: Liposuction for chronic lymphoedema.
- IPG 252: Laser-assisted cerebral vascular anastomosis without temporary arterial occlusion.
- IPG 253: Laparoscopic mobilisation of the greater omentum for breast reconstruction.

**Audit under discussion**

- IPG 238: Mini/micro screw implantation for orthodontic anchorage - Technique in use at Bristol Dental Hospital for 3 years. Audit planned for 2009/10 using NICE criteria to allow time for adequate sample to become available

**Other reasons (e.g. very rare procedure)**

- IPG227: Corneal implants for keratoconus - Approval received, but not yet in use at Bristol Eye Hospital

**Women's & Children's Services**

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
<b>Children's Services</b>						
Pre –op testing for Sickle Cell Anaemia at Bristol Dental Hospital	Anaesthesia	Phil Segar (Cons) Gail Tovey (Cons)	Audit of UHBristol policy 2008		Y	
Audit of pre-operative starvation times – audit of local policy	Anaesthesia	Guy Bailey (Cons) Gail Tovey (Cons)	Audit of UHBristol policy 2008		Y	

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
When do children get better after Tonsillectomy	Anaesthesia	Pete Stoddart (Cons) Gail Tovey (Cons)	Pain Service. Re-audit of 1029	Y	Y	
Safer practice with epidural injections and infusions	Anaesthesia	Sarah Parry Pain Specialist Pete Stoddart (Cons)	National Patient Safety Agency (NPSA) Alert 21 (2007)		Y	
Audit of hearing aid review clinics	Audiology	Dawn O'Dwyer Liz Midgley (Chief Audiologist)	Re-Audit of 1657			
Documentation audit	Child and Adolescent Mental Health Service (CAMHS)	Andrew Fogarty (Cons)	National Guidance (NHSLA Standard 4.4, Acute Standards, April 2008) tailored to CAMHS services		Y	
Management of supra ventricular tachycardia	Cardiology	Rob Tulloh (Cons)	UHBristol Guidelines 2007		Y	
Anti coagulation	Cardiology /Cardiac Surgery	Cathy Harrington Andrew Tometski (Cons)	National Guidelines (National Patient Safety Agency (NPSA) Alert No 18, Mar 07) / Medicines management		Y	
Medical casenotes for strategy discussions	Community Child Health	Richard Williams (Cons)	Child Protection (Laming Report 2005)		Y	Y
Skeletal surveys done on inpatients at the Bristol Royal Hospital for Children (BRHC)	Community Child Health	Richard Williams (Cons)	Child Protection (Guidelines for BRHC, M.Breddow, J. Frazer 2008)		Y	
Fractures in infancy and re attendance to the ED or case conferences	Community Child Health	Richard Williams (Cons)	Child Protection - Local Concern		Y	
Service provision for children with disability / special needs	Community Child Health	Richard Williams (Cons)	Re audit of 658. National Service Framework recommendations (Sept 2004)		Y	
Audit of looked after health assessments	Community Child Health	Richard Williams (Cons)	Child Protection , Area of concern		Y	
National Health Service Litigation Authority (NHSLA) Documentation Audit	Cross Division	Annette Marshall Stephen Marriage (Cons)	NHSLA Standard 4.4 (Acute Standards, April 2008)		Y	
Pressure Ulcers: NICE Guidance CG29	Cross Division	Maureen Harris Dr Carol Inward (Cons)	Rolled over from 07/08. This project involves the Paediatric Audit Network whose aim is to benchmark audit results from Paediatric Centres.			
Reducing the harm caused by misplaced naso gastric feeding tubes	Cross Division	Annette Marshall Pam Cairns	National Guidance – National Patient Safety Agency (NPSA Alert 05 2005 )			
Methycillin resistant streptococcus aureus (MRSA) Out of area referrals to Bristol Royal Hospital for Children	Cross Division	Kathy Hole Huw Thomas (Cons)	Infection Control Re-audit of 1742		Y	

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
Promoting safer measurement and administration of liquid medicines via oral and other enteral routes	Cross Division	Annette Marshall Stephen Marriage (Cons)	National Guidance - National Patient Safety Agency (NPSA Alert 19, Mar 2007)		Y	
Diabetes annual review processes	Endocrinology	Dr Tiru Nuotigathu Dr Christine Burren (Cons)	National Guidance (NICE CG 015 2004)		Y	
The use of Orlistat in childhood obesity	Endocrinology	Camilla Peevers Julian Shield (Cons)	National Guidance (NICE TA 22, Mar 2001)		Y	
Head Injury	Emergency Department	Dr Anne Frampton (Cons)	National Guidance (NICE CG 56, Sept 2007)		Y	
Urinary Tract Infection	Emergency Department	Dr Anne Frampton (Cons)	National Guidance (NICE CG 54, Aug 2007)			
Atopic Eczema	General Paediatrics	Helen Hewitt Cameron Kennedy (Cons)	National Guidance (NICE CG 57, Dec 2007)			
Renal Biopsy audit	Nephrology	Izzat Affii Jane Tizzard (Cons)	Renal Association Guidance 2007		Y	
Newer Drugs for Epilepsy	Neurology	Phil Jardine (Cons)	Rolled over from 07/08. National Guidance (NICE TA 79, Apr 2004)			
Re-Audit of Health Records	Neonatal Intensive Care (NICU)	Patient Safety Manager (Currently Jackie Moxham)	NHSLA Standard 4.4 (Acute Standards, April 2008)			
Hip Ultrasound & follow-up	Neonatal Intensive Care (NICU)	Anoo Jain (Cons)	Compliance with UHBristol Guideline November 2004		Y	
1st day heart murmur	Neonatal Intensive Care (NICU)	Anoo Jain (Cons)	Compliance with UHBristol Guideline November 2004		Y	
Administration of liquid medicines via oral or other enteral routes	Neonatology	Patient Safety Manager (currently Jackie Moxham)	UHBristol Medicines Management Audit Plan, NPSA Alert 19, Mar 2007			
Teaching and training packs for patients with Hip Spicas	Occupational Therapy	Ann Marie Apa Martin Gargan (Cons)	Local concern		Y	
Optimising patients for theatres	Oncology	Judith Armstrong / Hazel Moon John Moppett (Cons)	Clinical Audit promulgated through Lean Improvement work 2008	Y	Y	
Timeliness and quality of discharge summaries in oncology	Oncology	Cathy Chesham Stephen Lewis (Cons)	Discharge Group local policy		Y	
Cross match requirements in cardiac surgery patients undergoing cardio-pulmonary bypass	PICU	Peter Davis (Cons)	Rolled over from 07/08 FP Audit of local PICU guidelines		Y	
Use of surfactant for respiratory distress syndrome	PICU	Margrid Schindler (Cons)	Local Concern		Y	
End of life planning for children with life threatening illness	PICU	Dr James Fraser William Booth (Matron)	Local Concern		Y	
Asthma Education	Respiratory	Asha Persuad Tom Hilliard (Cons)	Local UHBristol Guidelines 2007			
Tuberculosis	Respiratory	Huw Thomas (Cons)	National Guidance (NICE Guidance CG 33, Mar 2006)		Y	

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
Ciclosporin in asthma	Respiratory	Jessica Hymas Tom Hilliard (Cons)	Local Concern		Y	
Asthma	Respiratory	Tom Hilliard Asha Persaud	Re-audits of NICE Technology Appraisals TA 10 (under fives ) and TA38 (older children )		Y	
Rheumatoid arthritis - adalimumab, etanercept and infliximab	Rheumatology	Dr A.V Ramanan	National Guidance (NICE TA130 2007 )			
Correct Site Surgery	Surgery	Ollie Gee Guy Nichols (Cons)	Rolled over from 06/07 and 07/08 project. NPSA Guidance		Y	
Audit of management of patients undergoing external fixation from pre-admission to 3 months post discharge	Trauma and Orthopaedic Surgery	Sharron Carrie /Sarah Parry Fergal Monsell (Cons)	Local concern	Y	Y	
<b>Women's Services</b>						
Re-Audit of Health Records	Obstetrics and Midwifery	Patient Safety Manager (currently Jackie Moxham)	NHSLA Standard 6		Y	
Re-Audit of Health Records	Gynaecology	Patient Safety Manager (currently Jackie Moxham)	NHSLA Standard 4.4 (Acute Standards, April 2008)		Y	
Re-audit management of group B haemolytic streptococcus	Obstetrics and Midwifery	Bryony Strachan (Cons) with Central Delivery Suite Working Party	NHSLA Standard 4.3.1		Y	
Re-audit management ectopic pregnancy	Obstetrics and Midwifery	Caroline Overton (Cons) with Gynaecology Working Party	NHSLA Standard 4.3.1		Y	
Re-audit of thromboprophylaxis in caesarean section	Obstetrics and Midwifery	Sue Sellers (Cons) with Antenatal Working Party	NHSLA Standard 4.3.1		Y	
Re-audit vaginal birth with uterine scar/rupture of the uterus	Obstetrics and Midwifery	Belinda Cox (Practice Development Midwife), Bryony Strachan (Cons) with Central Delivery Suite Working Party	NHSLA Standard 4.3.1		Y	
Management of reduced fetal movement	Obstetrics and Midwifery	Bernie Prettejohn (Midwife) with Antenatal Working Party	NHSLA Standard 4.3.1		Y	
Compliance with standards from Confidential Enquiry – Saving mother's lives*	Obstetrics and Midwifery	Patient Safety Manager (currently Jackie Moxham)	Recommendations from CEMACH – Saving mothers' lives – December 2007		Y	
Compliance with standards from Safer Childbirth	Obstetrics and Midwifery	Patient Safety Manager (currently Jackie Moxham)	Recommendations from Safer Childbirth – Royal Colleges – October 2007		Y	
Administration of liquid medicines via oral or other enteral routes	Obstetrics and Midwifery/ Gynaecology	Patient Safety Manager (currently Jackie Moxham) with Post-natal and Gynaecology Working Parties	UHBristol Medicines Management Audit Plan, NPSA Alert 19, Mar 2007		Y	
Safe administration of epidural medicines	Obstetrics and Midwifery/ Gynaecology	Mark Scrutton (Cons) with Central Delivery Suite Working Party	UHBristol Medicines Management Audit Plan, NPSA Alert 21, Mar 2007		Y	

Project	Sub-Speciality	Senior Lead	Rationale for audit	PPI	MP / MD	Other Orgs
Compliance with NICE Clinical Guideline 55 – Intrapartum Care	Obstetrics and Midwifery	Bryony Strachan (Cons) / Ann Tizzard (Midwife – Modern Matron) with Central Delivery Suite Working Party	NICE guidance 55 (Sept 07)		Y	
Compliance with NICE IPG 239 – Laparoscopic techniques for hysterectomy	Theatres with Gynaecology	Nicky Ellis (Theatre Manager) / Caroline Overton (Cons) with Gynaecology Working Party	Compliance with NICE IPG 239 (Nov 07)		Y	
Compliance with NICE CG62 - Ante-natal Care	Obstetrics and Midwifery	Sue Sellers (Cons) / Jenny Ford (Midwife) with Ante-natal Working Party	Compliance with NICE CG 62 (March 08)		Y	
Compliance with NICE CG63 – Diabetes in pregnancy	Obstetrics and Midwifery	Sue Sellers (Cons) / Jenny Ford (Midwife) with Ante-natal Working Party	Compliance with NICE CG 63 (March 08)		Y	
Record keeping of repeat issue of progestogen-only emergency contraception	Contraception and Sexual Health	Leonor Herrera-Vega (Associate Specialist)	Local compliance with RCOG/RCN Patient Group Direction (PGD) 2A (Oct 06)		Y	

Details of NICE/NSF guidance **not** being audited, with reason why:

**Procedure not undertaken**

- IPG 228: Laparoscopic cerclage for prevention of recurrent pregnancy loss due to cervical incompetence
- IPG 231: MRI guided transcutaneous focused ultrasound for uterine fibroids (Sep 2007) – not done at St Michael's
- IPG 249: Ultrasound-guided catheterisation of the epidural space

**Audit under discussion**

- CG 46: Venous thromboembolism (surgical) – gynaecology lead being sought.

**Other reasons** (e.g. very rare procedure)

- TA 133: Uncontrolled asthma: Omalizumab (Nov 2007) - only one patient so far being prescribed this, insufficient sample for audit
- TA 21 Diabetes – pioglitazone : We do not prescribe this drug in paediatrics