National Research Ethics Service



NRES Committee South Central -Portsmouth

Annual Report

01 April 2011 – 31 March 2012

Part 1 – Committee Membership and Training

| Name of REC: | NRES Committee South Central - Portsmouth |
|------------------------------|--|
| Type of REC: | Authorised REC |
| Type of Flag: | Research involving Children |
| Chair: | Dr Chris Markham |
| Vice-Chair: | Mrs Jayne Tyler |
| Alternate Vice-Chair: | n/a |
| Co-ordinator: | Mrs Ruth Avery |
| PRSC Co-ordinator: | Mrs Ruth Avery |
| Assistant Co-ordinator: | Mr Thomas Fairman |
| Committee Address: | Bristol Research Ethics Centre Level 3, Block B Whitefriars Lewins Mead Bristol BS1 2NT |
| Telephone: Fax: Email: | 0117 342 1382 0117 342 0445 scsha.sehrec@nhs.net |

Chair's overview of the past year:

Having joined the committee in August 2011, it has been very rewarding and gratifying to work with.

During this time the committee increased its membership, welcoming a number of pleasant, competent and professional individuals to help support our work. Also, we have seen the introduction of Proportionate Review (PR) and the changes to GafREC. These have brought with them new challenges and learning opportunities, which the committee has responded to admirably and we hope has facilitated the research reviewed in the new ways.

We have also said goodbye to both members and staff supporting us from NRES and wish them very well in the future. Of course, the staff departures have led to new team members within the office, in particular Tom Fairman who has been extremely helpful and supportive and we look forward to working with him and other colleagues over the next year.

This report of the committee's activity demonstrates the commitment, hard work and effectiveness of the committee. It is encouraging to see good attendance at meetings, 5 PRs and a commitment to personal development and training. We look forward to continuing to develop as a committee and supporting the work of NRES and research in Health and Social Care.

NRES Committee South Central - Portsmouth Membership:

| Name Occupation | | Expert or | Dates | |
|------------------------|---|-----------|------------|------------|
| | - | Lay | Appointed | Resigned |
| Mr Paul Andersen | Broadcaster | Lay Plus | 01/03/2004 | |
| Dr Ronja Bahadori | Clinical Trial Coordinator | Expert | 01/06/2011 | 15/12/2011 |
| Mrs Ita Berry | Retired Clinical Psychologist | Lay | 01/03/2011 | |
| Mrs. Alison Bowser | Patient and Public Involvement Officer | Lay | 01/09/2011 | |
| Mr David Carpenter | Social Scientist | Expert | 22/09/2000 | 01/09/2011 |
| Dr Diane Carpenter | Academic Group Lead (Mental Health) | Expert | 01/09/2011 | |
| Mr. Mark Cassidy | Lecturer in Radiography | Expert | 01/09/2011 | |
| Dr Fiona Cowdell | Research Fellow and Practice Development Consultant | Expert | 01/04/2011 | 20/05/2011 |
| Mrs Angela Iveson | Oncology Research Nurse | Expert | 28/02/2010 | |
| Mr Geoff Lowndes | Chartered Engineer - Retired | Lay Plus | 01/02/2010 | |
| Dr Chris Markham | Senior Lecturer - Speech and Language Therapy | Expert | 24/08/2011 | |
| Dr. Ian McAndrew | Independent EU Consultant/Lecturer | Lay | 01/08/2011 | |
| Dr Pradeep Moonot | SpR Trauma & Orthopaedics | Expert | 02/03/2009 | 23/08/2011 |
| Dr Lynne Oldman | SpR Child & Adolescent Psychiatry | Expert | 13/03/2008 | 23/08/2011 |
| Dr Arumugam Ravindrane | Consultant Physician | Expert | 01/06/2005 | 19/08/2011 |
| Mr. Steve Rose | Senior Staff Nurse/Research Nurse | Expert | 01/09/2011 | |
| Dr. Mary Saunders | Senior Lecturer | Expert | 01/08/2011 | |
| Dr. Andrew Scott | Course Leader, M.Sc. Clinical Exercise Science | Expert | 01/08/2011 | |
| Mrs Jayne Tyler | Senior Fire Control Operator | Lay Plus | 01/03/2004 | |
| Dr Marcus White | Lecturer | Lay | 01/06/2003 | 23/08/2011 |

Deputy Members

| Name | Occupation | Expert or Lay | Meeting date attended |
|------|------------|------------------|-----------------------|
| | | | |

Co-opted Members

| Name | Occupation | Expert or Lay | Meeting date attended |
|------------------|---|------------------|-----------------------|
| Dr Simon Kolstoe | Academic Research Scientist/Vice-Chair | Expert | 01/07/2011 |

Member Bank

| Name | Occupation | Expert or Lay | Meeting date attended |
|------|------------|------------------|-----------------------|
| | | | |

| Name | Declaration of Interest | Date |
|--------------------|--|------------|
| Dr Chris Markham | Health Service Researcher | 20/01/2012 |
| Mrs Jayne Tyler | None | 24/01/2012 |
| Mr Paul Andersen | None | 10/01/2012 |
| Mrs Angela Iveson | Oncology Research Nurse for Salisbury NHS Foundation Trust | 16/01/2012 |
| Mr Geoff Lowndes | None | 19/01/2012 |
| Mrs Ita Berry | None | 15/01/2012 |
| Dr. Ian McAndrew | None | 08/08/2011 |
| Dr. Mary Saunders | None | 15/01/2012 |
| Dr. Andrew Scott | None | 18/01/2012 |
| Dr Diane Carpenter | None | 06/09/2011 |
| Mr. Mark Cassidy | University of Portsmouth School of Health Sciences and Social workResearch Ethics Committee | 13/02/2012 |
| Mr. Steve Rose | None | 04/02/2012 |
| Mrs. Alison Bowser | None | 07/09/2011 |

Meetings for Full Ethical Review 01 April 2011 - 31 March 2012:

| Month | Date | Number of Members Present at Meeting |
|-----------|------------|---|
| Мау | 20/05/2011 | 8 |
| July | 22/07/2011 | 8 |
| August | 19/08/2011 | 9 |
| September | 23/09/2011 | 12 |
| November | 18/11/2011 | 9 |
| January | 20/01/2012 | 13 |
| February | 24/02/2012 | 10 |
| March | 23/03/2012 | 9 |

8 full committee meetings were held during the reporting period.

Proportionate Review Sub Committee Meetings held during 01 April 2011 - 31 March 2012:

| Month | Date | Number of Members Present at Meeting |
|----------|------------|---|
| October | 10/10/2011 | 3 |
| November | 14/11/2011 | 3 |
| February | 02/02/2012 | 3 |
| March | 05/03/2012 | 3 |
| March | 16/03/2012 | 3 |

5 proportionate review sub-committee meetings were held during the reporting period.

Attendance of Members: 01 April 2011 – 31 March 2012:

| Name | Number of Meetings Attended |
|------------------------|-----------------------------------|
| Mrs Ita Berry | 8 |
| Mrs Jayne Tyler | 8 |
| Mr Geoff Lowndes | 7 |
| Dr. Mary Saunders | 6 |
| Dr Chris Markham | 6 |
| Mrs Angela Iveson | 6 |
| Mr Paul Andersen | 5 |
| Mr. Mark Cassidy | 5 |
| Mr. Steve Rose | 4 |
| Mrs. Alison Bowser | 4 |
| Dr. Andrew Scott | 4 |
| Dr. Ian McAndrew | 4 |
| Dr Diane Carpenter | 3 |
| Mr David Carpenter | 3 |
| Dr Arumugam Ravindrane | 2 |
| Dr Fiona Cowdell | 1 |
| Dr Ronja Bahadori | 1 |
| Dr Simon Kolstoe | 1 |

Number of inquorate meetings held: 0

Attendance of Members at proportionate review sub-committee meetings: 01 April 2011 – 31 March 2012:

| Name | Number of Meetings Attended |
|--------------------|-----------------------------------|
| Dr Chris Markham | 5 |
| Mrs Jayne Tyler | 4 |
| Ms Diane Carpenter | 2 |
| Dr. Ian McAndrew | 1 |
| Mr Geoff Lowndes | 1 |
| Mrs Angela Iveson | 1 |
| Mrs Ita Berry | 1 |

Training 01 April 2011 – 31 March 2012:

| Name of Member | Date | Event(s) attended |
|---------------------------------------|-------------------------|--------------------------------|
| Mrs Jayne Tyler | 06/12/2011 - 06/12/2011 | NRES Chairs National Training |
| , , , , , , , , , , , , , , , , , , , | | Day, NRES |
| Dr. Ian McAndrew | 01/09/2011 - 01/09/2011 | Induction DVD, NRES |
| Dr. Mary Saunders | 01/09/2011 - 01/09/2011 | Induction CD, NRES |
| Dr. Andrew Scott | 01/09/2011 - 01/09/2011 | Induction CD, NRES |
| Dr Diane Carpenter | 01/09/2011 - 01/09/2011 | Induction CD, NRES |
| Mr. Mark Cassidy | 01/09/2011 - 01/09/2011 | Induction CD, NRES |
| Mr. Steve Rose | 01/09/2011 - 01/09/2011 | Induction CD, NRES |
| Mrs. Alison Bowser | 01/09/2011 - 01/09/2011 | Induction CD, NRES |
| Mrs Angela Iveson | 17/10/2011 - 17/10/2011 | Good Clinical Practice (GCP) |
| | | Refresher, NIHR |
| Mrs Angela Iveson | 20/09/2011 - 20/09/2011 | Equality & Diversity, NHS |
| Dr. Mary Saunders | 14/03/2012 - 14/03/2012 | Members national training day, |
| | | NRES |
| Mr. Steve Rose | 20/03/2012 - 20/03/2012 | Induction, NRES |
| Mrs Ita Berry | 14/03/2012 - 14/03/2012 | Members national Training Day, |
| | | NRES |
| Dr Diane Carpenter | 10/01/2012 - 10/01/2012 | Induction, NRES |
| Dr Chris Markham | 08/02/2012 – 08/02/2012 | Feasibility Studies Away Day |
| Dr Chris Markham | 01/05/2011 – 01/05/2011 | Patient and Public Involvement |
| | | in Research Study Day |
| Dr Chris Markham | 25/01/2012 – 25/01/2012 | University of Portsmouth |
| | | Research Conference |
| Dr Chris Markham | 09/08/2011 - 10/08/2011 | MCA DVD |
| Mrs Jayne Tyler | 20/01/2012 - 20/01/2012 | Shared Ethical Debate, NRES |
| Mr. Mark Cassidy | 20/01/2012 - 20/01/2012 | Shared Ethical Debate, NRES |
| Mr. Steve Rose | 20/01/2012 - 20/01/2012 | Shared Ethical Debate, NRES |
| Mrs. Alison Bowser | 20/01/2012 - 20/01/2012 | Shared Ethical Debate, NRES |
| Mr Paul Andersen | 20/01/2012 - 20/01/2012 | Shared Ethical Debate, NRES |
| Mr Geoff Lowndes | 20/01/2012 - 20/01/2012 | Shared Ethical Debate, NRES |
| Mrs Angela Iveson | 20/01/2012 - 20/01/2012 | Shared Ethical Debate, NRES |
| Mrs Ita Berry | 20/01/2012 - 20/01/2012 | Shared Ethical Debate, NRES |
| Dr. Ian McAndrew | 20/01/2012 - 20/01/2012 | Shared Ethical Debate, NRES |
| Dr. Mary Saunders | 20/01/2012 - 20/01/2012 | Shared Ethical Debate, NRES |
| Dr Diane Carpenter | 20/01/2012 - 20/01/2012 | Shared Ethical Debate, NRES |
| Dr. Andrew Scott | 20/01/2012 - 20/01/2012 | Shared Ethical Debate, NRES |

Part 2: REC workload and activity during the reporting period.

Table 1: Applications assigned to a full committee meeting held within the reporting period:

| Applications for full ethical review – Study Type | Number | % |
|---|--------|--------|
| Clinical Trial of Investigational Medicinal Product | 0 | 0.00 |
| Phase 1 | 0 | 0.00 |
| Gene Therapy | 0 | 0.00 |
| Research Tissue Bank | 0 | 0.00 |
| Research Database | 0 | 0.00 |
| Others | 43 | 100.00 |
| Total Applications Reviewed | 43 | 100 |

Table 2: Other REC activity during the reporting period:

| Number of applications made invalid by co-ordinator | 4 |
|---|----|
| Number of studies withdrawn prior to the meeting | 8 |
| Number of student applications reviewed | 19 |
| Number of paediatric applications reviewed | 3 |
| Number of device applications reviewed | 1 |
| Number of prisoner applications reviewed | 0 |
| Number of applications involving adults unable consent reviewed | 0 |
| Number of applications reviewed funded by the US DHHS | 0 |

Table 3: Decisions given at meetings held within the reporting period:

| Decisions taken at meetings following review of applications | Number | % |
|---|--------|-------|
| Favourable Opinion with Standard Conditions | 4 | 9.30 |
| Favourable Opinion with Additional Conditions | 3 | 6.98 |
| Unfavourable Opinion | 1 | 2.33 |
| Provisional Opinion | 35 | 81.40 |
| Invalid | 0 | 0.00 |
| No Opinion Pending Consultation with Referee | 0 | 0.00 |
| Provisional Opinion Pending Consultation with Referee | 0 | 0.00 |
| Not Requiring Review by NHS REC | 0 | 0.00 |
| Total | 43 | 100 |
| Number of studies sent back to full committee meeting for final opinion | 0 | |

Table 4: Summary of current status of applications reviewed during the reporting period:

| Status of applications at date of generation of report | Number | % |
|--|--------|-------|
| Further Information Favourable Opinion with Standard | 27 | 62.79 |
| Conditions | | |
| Further Information Favourable Opinion with Additional | 4 | 9.30 |
| Conditions | | |
| Further Information Unfavourable Opinion | 0 | 0.00 |
| Favourable Opinion with Standard Conditions | 4 | 9.30 |
| Favourable Opinion with Additional Conditions | 3 | 6.98 |
| Unfavourable Opinion | 1 | 2.33 |
| Provisional Opinion | 3 | 6.98 |
| Provisional Opinion Pending Consultation with Referee | 0 | 0.00 |
| Invalid | 0 | 0.00 |
| No Opinion Pending Consultation with Referee | 0 | 0.00 |
| Further Information response not complete | 1 | 2.33 |
| Not Requiring Review by NHS REC | 0 | 0.00 |
| No decision entered on RED | 0 | 0.00 |
| Number of studies withdrawn after the meeting | 0 | 0.00 |
| Total | 43 | 100 |

Table 5: Applications assigned to a proportionate review sub-committee within the reporting period:

| Total Applications Reviewed | 12 |
|-----------------------------|----|

Table 6: Decisions given at proportionate review sub-committee meetings held within the reporting period:

| Decisions taken at proportionate review sub- committee meetings | Number | % |
|--|--------|-------|
| Favourable Opinion with Standard Conditions | 5 | 41.67 |
| Favourable Opinion with Additional Conditions | 2 | 16.67 |
| No Opinion transfer to full committee for review | 0 | 0.00 |
| Provisional Opinion | 5 | 41.67 |
| Unfavourable Opinion | 0 | 0.00 |
| Total | 12 | 100 |

Table 7: Other Management Information for the reporting period:

| Average number of applications reviewed per full meeting | 5.38 |
|--|--------|
| | 1 |
| Number of applications for full ethical review over 60 days | 2.33% |
| Number of applications over 60 days as a % of total | |
| Number of days taken to final decision - average | 37 |
| Number of days taken to final decision - mode | 40 |
| | |
| Number of SSAs (non-Phase 1) reviewed | 0 |
| Number of applications for SSA review over 25 days | 0 |
| Number of applications for SSA review over 25 days as % of all non-Phase 1 (SSAs) | 0% |
| Number of SSAs (Phase 1) reviewed | 0 |
| Number of applications for SSA review over 14 days | 0 |
| Number of applications for SSA review over 14 days as % of all Phase 1 (SSAs) | 0% |
| | |
| Number of substantial amendments reviewed | 28 |
| Number of substantial amendments over 35 days | 1 |
| Number of substantial amendments over 35 days as a % of total substantial amendments | 3.6% |
| · · · · · · · · · · · · · · · · · · · | |
| Number of Section 30 applications reviewed | 0 |
| Number of Section 30 applications over 60 days | 0 |
| Number of Section 30 applications over 60 days as a % of total Section 30 applications | 0% |
| Number of modified amendments reviewed | 1 |
| Number of modified amendments over 14 days | 0 |
| Number of modified amendments over 14 days as a % of | 0.0% |
| total modified amendments | 0.0% |
| | |
| Number of proportionate review applications for ethical review over 14 days* | 3 |
| Number of proportionate review applications over 14 days as a % of total | 25.00% |

*NB – Proportionate Review Service was in pilot phase until September 2011 and was an aim not a target

 Table 8: Breakdown of current status of all applications reviewed within the reporting period:

| Further Information Favourable Opinion with Standard Conditions | | |
|---|---|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |
| 11/SC/0188 | How young type 1 diabetics engage with technology to influence QOL v1 | 31 |
| 11/SC/0193 | Women's experiences of student midwife caseloading (1) | 32 |
| 11/SC/0194 | WEIGHTED Study version 2.1 | 42 |
| 11/SC/0196 | Measurement of epidural pressures in parturients - version 1.0 | 26 |
| 11/SC/0199 | Rolling versus non-rolling of patients during CT urography | 56 |
| 11/SC/0248 | Inflammatory response after sclerotherapy and radiofrequency | 48 |
| 11/SC/0280 | Factors contributing to non concordance of young people on dialysis | 31 |
| 11/SC/0287 | Analysis of adipose tissue DNA methylation profiles in Breast Ca | 47 |
| 11/SC/0291 | Towards a New Clinical Protocol for Tuning Cochlear Implants v2.0 | 51 |
| 11/SC/0316 | E-learning for structured Type 1 diabetes education | 34 |
| 11/SC/0317 | Head and neck skin malignancy | 25 |
| 11/SC/0333 | Daily hassles and cortisol in Multiple Sclerosis (Version 1) | 48 |
| 11/SC/0337 | The scarring process in patients on peritoneal dialysis | 64 |
| 11/SC/0338 | Experience and needs of families during end of life care | 56 |
| 11/SC/0343 | Incidental Findings (IFs) from genetic tests | 49 |
| 11/SC/0344 | What are the Interprofessional Skills required for team working | 50 |
| 11/SC/0391 | Comparison of Preschool Parenting Interventions (COPPI) Trial (V1) | 35 |
| 11/SC/0401 | Using tDCS in children with numerical difficulties | 41 |
| 11/SC/0405 | Trial of WiiTM in STroke - TWIST | 42 |
| 11/SC/0407 | Psycho education in Forensic Setting (version 1) A qualitative enquiry | 43 |
| 11/SC/0465 | Exploring the lived experience of phantom bladder syndrome (PBS) | 31 |
| 11/SC/0501 | Low desire-Couples' distinct views on Hypoactive sexual desire disorder | 33 |
| 11/SC/0502 | Young mothers' views of breastfeeding support from professionals | 26 |
| 12/SC/0041 | The effectiveness of methylprednisolone in the treatment of MN - V3 | 39 |
| 12/SC/0057 | Adaptation and validation of CNQ-YP for use in children | 40 |
| 12/SC/0083 | Qualitative interviews with NMIBC patients: v1.0 | 13 |
| 12/SC/0088 | Built environment in acute care for older people - Version 02 | 14 |
| 12/SC/0112 | Frequent HbA1c study | 38 |
| 12/SC/0115 | ICoS (Inflammation, Cogntion, and Stress) Version 1.0 | 40 |
| 12/SC/0117 | Human biomarkers of nausea and Version 6.0 | 35 |

| 12/SC/0157 | The Rasch analysis of the BRIEF Questionnaire | 20 |
|------------|---|----|
| 12/SC/0159 | Joint specialty renal genetic clinic | 20 |

| Further Information Favourable Opinion with Additional Conditions | | |
|---|--|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |
| 11/SC/0484 | Neuroimmunological and Cognitive Factors in Anxiety (Version 1) | 38 |
| 11/SC/0490 | Early Fluid Resuscitation in Acute Pancreatitis (EFRA) | 40 |
| 12/SC/0048 | Effects on health following collapse during marathon running | 16 |
| 12/SC/0107 | EAST: Early treatment of AF for Stroke prevention Trial: 09-Dec-2011 | 49 |

Further Information Unfavourable OpinionREC ReferenceApplication Short Title

Number of Days on Clock

| Favourable Opinion with Standard Conditions | | |
|---|---|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |
| 11/SC/0144 | To Sit or to Stand? Ultrasound and Needle Placement - 2011 | 27 |
| 11/SC/0202 | Extended follow-up of three occupational cohorts | 40 |
| 11/SC/0276 | A user evaluation of Unifine Pentips diabetes pen needles | 28 |
| 11/SC/0396 | Molecular markers of prognosis in endocrine cancers | 28 |
| 11/SC/0456 | PR: Community Stroke Reviews (v.1) | 10 |
| 11/SC/0457 | PR: Group Intervention for Trauma Related Nightmares | 7 |
| 11/SC/0500 | 3D Surface Imaging in Maxillofacial Prosthodontics v1 | 8 |
| 12/SC/0080 | Orofacial Clefts and Associated Malformations | 6 |
| 12/SC/0161 | The relationship between femoral head strength and shaft strength | 13 |

| Favourable Opinion with Additional Conditions | | |
|---|---|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |
| 11/SC/0301 | Patients' Perspectives of Insomnia | 21 |
| 11/SC/0314 | What do GPs think and feel about DNACPR decisions for dying patients? | 23 |
| 11/SC/0504 | Exploring the health information needs of sarcoma patients | 11 |
| 12/SC/0113 | Norovirus Longitudinal Pilot Study to study evolution | 27 |
| 12/SC/0158 | Retrospective Lung Resection Translational Study | 13 |

Unfavourable Opinion

| REC Reference | Application Short Title | Number of Days on Clock |
|----------------------|--|-------------------------|
| 11/SC/0129 | Exploring the lived experience of phantom bladder syndrome (PBS) | 19 |

| Provisional Opinion | | |
|----------------------|--|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |
| 12/SC/0148 | Post-operative satisfaction following elective amputation | N/A |
| 12/SC/0166 | Preoperative pancreatic enzyme supplementation in Whipple's procedure | N/A |
| 12/SC/0167 | Experiencing Breech Diagnosis:women's perception of choice and support | N/A |

| Provisional Opini | on Pending Consultation with Referee | |
|--------------------------|--------------------------------------|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |

| Further information response not complete | | |
|---|---|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |
| 12/SC/0147 | Non-contact sensors to detect the human fetal electrocardiogram | N/A |

| Withdrawn after t | he meeting | |
|----------------------|-------------------------|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |

| Invalid Applicatio | n | |
|----------------------|-------------------------|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |

| No Opinion Pendi | ng Consultation with Referee | |
|-------------------------|------------------------------|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |

| Not Requiring Re | view by NHS REC | |
|----------------------|-------------------------|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |

Table 9: Items exceeding timelines:

| Full applications for ethical review over 60 day timeline | | |
|---|---|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |
| 11/SC/0337 | The scarring process in patients on peritoneal dialysis | 64 |

| Proportionate review applications for ethical review over 14 days timeline | | |
|--|--|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |
| 11/SC/0502 | Young mothers' views of breastfeeding support from professionals | 26 |
| 12/SC/0157 | The Rasch analysis of the BRIEF Questionnaire | 20 |
| 12/SC/0159 | Joint specialty renal genetic clinic | 20 |

| SSAs (non Phase | 1) over 25 days timeline | |
|----------------------|--------------------------|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |

| SSAs (Phase 1) or | ver 14 days timeline | |
|----------------------|-------------------------|-------------------------|
| REC Reference | Application Short Title | Number of Days on Clock |

| Substantial Amendments over 35 day timeline | | | | |
|---|---|-------------------------------|----------------------------|--|
| Amendment Reference | Application Short Title | Amendment Title | Number of Days on Clock | |
| 8/2/1394/AM03 | Casemix adjusted predictive models of adverse clinical outcomes | Amendment 3, 22 December 2011 | 57 | |

| Modified Amendments over 14 day timeline | | | | | | |
|--|-------------------------|-----------------|-------------------|--|--|--|
| Amendment Reference | Application Short Title | Amendment Title | Number of Days on | | | |
| | | | Clock | | | |

| Section 30 application over 60 day timeline | | | | | |
|---|-------------------------|-----------------|-------------------|--|--|
| Amendment Reference | Application Short Title | Amendment Title | Number of Days on | | |
| | | | Clock | | |