An independent investigation into the circumstances surrounding two separate but related incidents involving Norbury patients on Spring Ward on the night of 1st October 2012

Commissioned by South London and Maudsley NHS Foundation Trust

FINAL REPORT

10th MAY 2013
<table>
<thead>
<tr>
<th>Sections</th>
<th>Page number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Introduction</td>
<td>3</td>
</tr>
<tr>
<td>2. Executive summary</td>
<td>3-11</td>
</tr>
<tr>
<td>3. The incidents</td>
<td>11-12</td>
</tr>
<tr>
<td>4. Acknowledgements</td>
<td>12</td>
</tr>
<tr>
<td>5. Terms of reference</td>
<td>12 ( and appendix 1 page 99)</td>
</tr>
<tr>
<td>6. The Independent Team</td>
<td>13</td>
</tr>
<tr>
<td>7. Patient consent</td>
<td>13</td>
</tr>
<tr>
<td>8. The approach adopted by the Independent Team</td>
<td>13</td>
</tr>
<tr>
<td>9. General background</td>
<td>13-14</td>
</tr>
<tr>
<td>10. Chronology of events 26/09/12 to 02/10/12</td>
<td>14-36</td>
</tr>
<tr>
<td>11. Patient care and Treatment</td>
<td>36-38</td>
</tr>
<tr>
<td>12. Security management</td>
<td>68-80</td>
</tr>
<tr>
<td>13. Liaison with emergency services</td>
<td>80-82</td>
</tr>
<tr>
<td>14. Management of the incidents on the night of 1st October 2012</td>
<td>82</td>
</tr>
<tr>
<td>15. Actions taken following the incidents</td>
<td>82-84</td>
</tr>
<tr>
<td>16. Consideration of content and findings of parallel reviews commissioned by the Trust</td>
<td>84-87</td>
</tr>
<tr>
<td>17. Examples of good and commendable practice</td>
<td>87-88</td>
</tr>
<tr>
<td>18. Summary of findings</td>
<td>88-94</td>
</tr>
<tr>
<td>19. Conclusions</td>
<td>94-96</td>
</tr>
<tr>
<td>20. Recommendations</td>
<td>96-98</td>
</tr>
</tbody>
</table>

Appendix 1 – Terms of reference                                           99-100
Appendix 2 - Trust wide; Behavioural & Developmental Clinical Academic Group; and Forensic Medium Secure Services Policies and Procedures 101
Appendix 3 – List of evidence gathered and used by the Independent team 102-103
Appendix 4 – Acronyms, names and abbreviations used in the report         104-105
1. Introduction

This is the report of an Independent investigation commissioned by South London and Maudsley NHS Foundation Trust, following two separate but related patient incidents on the night of 1st October 2012, involving Norbury patients on Spring Ward.

This report refers to ten patients, whom for the purposes of confidentiality have been anonymised (referred to as patients A to J), as have staff and other individuals referred to in this report.

The Independent investigation was guided by the Terms of reference, agreed in November 2012, the Trust’s Incident Policy, September 2011 (including Management and Reporting Processes for Incidents and Near Misses), the Policy for Investigation of Incidents, Complaints and Claims, September 2011, and other relevant policies listed in the appendices to this report.

2. Executive Summary

On the night of the 1st October 2012, two days after Norbury Ward had moved to Spring Ward, two separate but patient-related disturbances occurred on Spring Ward, where Norbury patients had been temporarily relocated as part of a phased programmed of planned ward moves, to facilitate essential health and safety works being carried out in River House (RH).

In the first incident, four patients besieged the nursing station where staff had retreated, causing damage to property, whilst at the same time making threats to kill and rape staff. This necessitated intervention from the RH Rapid Response team, The Bethlem Royal Hospital (BRH) Emergency Team, various on-call managers from the Behavioural and Developmental Psychiatry (BDP) Clinical Academic Group (CAG), an On-Call Executive Director, three divisions of the Metropolitan Police, the London Ambulance Service, and the presence of the London Fire Brigade.

The first incident began at approximately 2200, when one patient, as part of his recurrent delusional state, accused the designated ward-based security nurse on the night shift of stealing designer wear and trainers which he believed his mother had brought to RH for him.

Attempts to deescalate this incident were unsuccessful. Although a decision was taken to offer the patient prn medication, a second patient destabilised the intervention and two other patients subsequently became involved. Staff considered the situation to be unsafe and retreated to the nursing station.

Assistance from the Metropolitan Police was first requested at 2244 and the first police officer from Bromley Police Station arrived promptly at 2247.

The police contend that on arrival they were unable to access key information about the patients involved in the first disturbance which frustrated their ability to risk assess the situation.

The Unit Coordinator (UC), along with other nursing staff, were trapped in the nursing station where grab packs were located which contained vital information to be used in specific situations. This information was available on the hard drive and could have been accessed in RH Reception, albeit...
there was no senior clinician present in this area to govern release of this confidential material, which formed part of an agreed protocol between the Trust and the Metropolitan Police.

In the course of approximately three and a half hours, somewhere in the region of forty police officers were on-site, comprising the entire Bromley Borough Night Response team, the Territorial Support Group (TSS) – Commissioner’s reserve, three police dog units and Trojan (specially trained armed officers).

With the assistance of the Metropolitan Police and the first on-call CAG manager, three of the four patients were, after several hours, placed in supervised confinement (SC) on other wards. The clinical environment was restored at approximately 0230.

In the second incident which occurred at approximately 0250, one patient challenged staff with regard to decisions which had been taken about the management of the four patients involved in the first incident. He accused them of discrimination, believing that there had been a racist motive and that staff had assisted the police to pursue this line of action. He threatened to kill staff and one of the white perpetrators, who he declared had been treated differently to the black perpetrators. This resulted in nursing staff losing control of the ward for a second time when they retreated to the nursing station.

This incident also required intervention from on-call managers and the Metropolitan Police. The clinical environment was finally restored at 0500.

Staff that had been trapped in the nursing station and in the intensive care area (ICA) were emotionally and physically shaken by the first incident, however, they returned to duty following time spent in RH Reception, where they were seen by paramedics from the London Ambulance Service.

One patient sustained injury to his hand during the second incident. No physical injuries were sustained by staff.

The care and treatment of ten patients, five of whom were identified as perpetrators and five who were referred to during examination of events was examined specifically for the month of September 2012, leading up to incident 1 and incident 2 on the night of 1st October 2012. The time frame was extended either side when it was considered to be relevant to do so.

The Independent team found that for all ten patients there was a completed ePJS risk assessment in place that ranged from satisfactory to excellent, completed by a range of disciplines. As at 1 October 2012, the average age of those ten patients' risk assessments was 40 days exactly.

In contrast, it is of note that no ‘risk event’ entry was made for the night of 1 October for any of the ten patients identified as being involved.

Of the ten patients, seven had HCR20 risk assessments. The three patients that did not have HCR20 risk assessments had been admitted to hospital for less than three months.

The Independent team was very impressed with the scope and depth of the HCR20s and with the risk scenarios. They went well beyond the standard and rather categorical approach.
There was quite a range of ages of HCR20s, with the oldest (on 1 October 2012) being 435 days old. The average age of the seven completed HCR20 risk assessments was 244 days, or eight months and one day.

The Forensic Inpatient Emergency Transfer protocol recommends the inclusion of a current and complete HCR20 at the time of patients transferring between wards. The Independent team found that transfers went ahead more often than not without transfer forms (i.e. clinical summaries) in place. It found also that HCR20s are not updated for this purpose and did not accompany transferring patients.

The Independent team was impressed with the good intention behind the running of the HCR group and the principle that lay behind it - the involvement of the patient in risk management.

Of the clinical notes examined, the Independent team was impressed with the quality of the OT entries in particular, by the thorough and regular CT-grade doctor entries for secluded patients, and by the contribution made to the record by gym instructors.

One of the features that really stood out, however, was the reduced amount of senior medical entries on ePJS and the reliance instead on Ward Round minutes to record clinical changes and decisions that had been made. The Independent team is clear in its finding that during the timeframe when care and treatment was reviewed there were fewer entries made by senior doctors setting out clinical information relevant to treatment than would be expected.

The Mental Health Act Code of Practice states that if the patient is secluded for more than 8 hours consecutively or for 12 hours or over a period of 48 hours, then a multi-disciplinary review should be completed by a senior doctor or suitably qualified approved clinician, and nurses and other professionals who were not involved in the incident which led to the seclusion. In a number of cases there was significant deviation from the Mental Health Act Code of Practice.

Care planning practice was variable. The Independent team was impressed by the OT care plans in particular but found that there was an inconsistent overall picture.

The prescribing practice on Norbury Ward is up-to-date and is evidence-based. However, the Independent team did not find good evidence of mediation changes always being discussed with patients and recorded and that is of note.

The Independent team was impressed with the reliable pattern of consent always being obtained at the three-month point for newly admitted patients as Section 58 of the Mental Health Act requires it to be. However, the situation concerning valid Consent to Treatment procedures for patients who were already in River House but had moved on to Norbury Ward needs attention.

One hugely impressive feature of Norbury Ward is the Family Surgery which the RC operates (and which is a feature of a very busy Monday, alongside the Management Round). The Independent team was very impressed that the Management Round was used as an opportunity to ensure that invitations were made to others to attend this.

While substance misuse groups are available in the central therapies department in RH, in practice Norbury Ward patients have restricted access. However, the ward-based assistant psychologist runs
a substance misuse group. There is no dual diagnosis practitioner as part of the RH establishment. Given the prevalence of substance misuse, support to clinical teams with regard to dual diagnosis and access to substance misuse groups should be reviewed.

As part of the security review a range of policies were reviewed to examine quality, with reference to their contribution to the overall security envelope of River House, and the translation of these policies into practice.

The operational policies for both RH and Norbury Ward offer a clear vision and structure for the service. They are aspirational in nature, realistic and achievable. They are presented clearly and concisely, and provide a logical progression; setting out appropriate objectives for the care and management of patients within a Medium Secure Service. The policies offer a baseline for service audit through which organisational assurance can be tested.

Despite the comments above, there is serious disconnection between excellence in policy and translation of policy into practice and serious concern on the part of the Independent team that assurance testing of agreed polices is not rigorously and consistently applied.

Relational security is poorly understood by some staff. The attitude and behaviour on the part of some of the nursing staff, observed during this Independent investigation is counterproductive to safe clinical practice.

It is clear from interviews with staff, particularly the UC on the night in question that a problem arose with following the Emergency Response Protocol.

The Lock Down procedure was implemented on instruction of the first CAG on-call manager at some point after her arrival, having been advised to do so by the second CAG on-call manager. The Lock Down policy stipulates that for a major incident the Bronze, Silver and Gold command structure should be established.

The police adopted this modus operandus, but despite the fact that several managers became involved throughout the night, four of whom came on-site at various times, there is no evidence that the Bronze, Silver or Gold command roles were assigned to Trust staff to work with the police accordingly.

Staff entering clinical areas are expected to collect and return Ascoms from RH Reception, although in the case of the Rapid Response Ascoms, these are kept on the wards, for which charging units are available. Ascoms are tested by reception staff on every occasion prior to allocation.

Ascom is a global positioning system providing staff with a means of summoning help in an emergency from colleagues working in the same location or from the wider RH Rapid Response Team drawn from each of the wards, where there is a designated member of staff on each shift.

Some staff told the Independent team that they had little confidence in the Ascom system and that it was not uncommon for there to be systems failure, as opposed to incorrect usage by staff. However, when the Independent team met with the Security Team Leader and Risk Management Portfolio Lead, the Clinical Service Leader – Service Line One, the RH Customer Services Manager and
representatives from Ascom it became clear that the main problem lay with staff, as opposed to systems failure (soft or hardware).

At interview and during visits to Norbury Ward, there was a surprising number of staff who gave incorrect information, when asked to explain how the Ascom units worked, especially with regard to the means by which they could summon help in an emergency. This is something which has been identified previously in a number of internal investigations, but not addressed sufficiently to secure a high level of compliance and confidence in the system.

There were examples of user failure on the night of 1st October 2012. Some of this may have been the result of human error arising from ‘panic-scramble’ on the part of individuals. However, even allowing for this as a factor, the evidence presented to the Independent team indicates serious failings across RH as well as Norbury Ward. The root cause appears to be a culture of no confidence in the Ascom system, with ineffective controls assurance.

There is evidence of very good and consistent training for staff on security and particularly the use of Ascoms.

See Think Act – Your guide to relational security, published by the Department of Health 2010, was used as marker, with specific reference to team functioning, boundary setting, therapy, patient mix, patient Dynamic and physical environment.

The Chair of the Independent Investigation spent most of one day in RH Reception, shadowing different members of the team in the execution of their duties and responsibilities. This demonstrated a high level of policy being delivered in practice.

The Independent team visited Norbury Ward on three occasions and Spring Ward twice. During the first visit to Norbury Ward (a planned visit), the SC rooms, in the opinion of the Independent team, were unfit for clinical purpose. The Trust took immediate steps to decommission the two SC room on Norbury Ward, whilst remedial works took place before the SC rooms were put back into clinical use. In addition, new measures with regard to monitoring the safety of SC rooms were immediately implemented.

The poor design of the SC rooms on Norbury, their constant use and fabric, present on-going and costly problems for the Trust. The constant destruction of these rooms contributes to reduced confidence on the part of ward staff that patients with severely challenging behaviour cannot be safely nursed within them.

The lack of awareness of the risks outlined above and the ease with which these were quickly identified by the Independent team, suggests a less than optimal grip on environmental security in which safe clinical practice takes place.

The Independent Team understand that the Trust is planning a further review and reprovision of supervised confinement facilities in RH.

The daily ward-based security checks on Norbury Ward were not up to date; the last one available was from June 2012.
Two impromptu visits to Spring Ward were made on 10/12/12 and 28/01/13. The first visit examined the exact location where the incidents on the night of the 1st October 2012 had taken place.

The second visit examined the lay-out of the ICA and access to the fire-road (the position the police adopted to monitor the ward before making a decision as to when to go in.

The internal door leading from the ICA into the airlock, through which access to the fire road is possible, was found to be unlocked, as was the outer door from the airlock to the fire road. This door can only be opened from the fire road and is controlled by RH Reception.

In the course of five visits, the Independent team found on three occasions, at best perfunctory attitudes and practice towards physical, procedural and relational security.

The importance of shared understanding and mutual respect between patients and staff is vital in the maintenance of relational security, as advocated in See Think Act.

Some of the evidence associated with this Independent Investigation demonstrates that there are times when control of the shift passes from the nursing team to some of the most challenging patients on Norbury ward, rendering the clinical environment to a level of suboptimal safety.

It is important to recognise the impact of change in circumstances which effect how people feel. Although the Independent team found one example of a one-to-one session with one patient with reference to their move from Norbury to Spring Ward, this was not consistently the case across the cohort of patients considered as part of this investigation.

Norbury Ward requires their patient mix to be fully appreciated at all levels in the service and subjected to continual impact and risk assessment. The very nature of Norbury ward means that patient mix is a continual challenge and something which requires robust clinical and managerial leadership to secure, as far as is possible, a clinical environment which is within the competency of staff allocated to work on this ward across all shifts, including nights and at weekends.

There is no documentary evidence to demonstrate that in the period leading up to Norbury patients moving to Spring Ward that patient mix was adequately assessed, either at ward level, Pathways or by the Senior Management Team.

Although there is a weekly Pathways meeting, usually chaired by the Clinical Service Leader - Line One Forensic Services, the record of such meetings is produced in such a way that concerns with regard to patient mix are not identifiable. For this reason, and from what some staff have said about Pathways meetings, the Independent team is concerned that the clinical implications of decision making, both admissions and internal transfers, is not given a consistent level of priority.

See Think Act captures the very essence of why patient dynamics are a critical feature in safe and effective service provision: ‘The mix of patients and the dynamic that exists between them has a fundamental effect on our ability to provide safe and effective services – the whole group can be affected by the arrival or departure of just one patient’.

During September 2012, three patients arrived on Norbury Ward, two of whom played a part in the incidents on the night of 1st October 2012, namely: Patient C, who transferred from BDU on 07/09/12, and Patient A, who transferred from Thames Ward on 24/09/12; having perpetrated a
serious assault on a member of staff. It is also worth noting that Norbury Ward received three other patients during late August 2012, whilst the RC was on annual leave.

There were known dynamics between named patients, for example, between patient B and patient D. However, there is no documentary evidence that patient dynamics were fully assessed in preparation for Norbury patients moving to Spring Ward on 29/09/12.

The physical environment on Norbury Ward is such that there is no separation of the ward immediately between the main airlock and the main ward. This could be easily rectified. There is no safe egress from the nursing station which has, on more than one occasion, led to nursing staff being trapped in this area, requiring police assistance. This requires urgent resolution. The staff room and the staff toilet are not adjacent to each other which means that if staff go on break in the staff room, they have to re-enter the ward to go to the toilet. The acoustic is such that the noise factor is significant. Noise is a well-known exacerbating trigger, adversely affecting people’s mental wellbeing. This too is resolvable. Internal investigations have raised concerns about ward design but to date a definitive course of action has not been agreed.

Very considerable resources were consumed both on the part of the Trust and the emergency services, especially the Metropolitan Police.

Whilst the management on-call arrangements were successfully and appropriately initiated, the on-call arrangements, with regard to the on-call RC were not.

There was significant service disruption from 02/10/12. Norbury Ward, in particular, faced difficulty in covering shifts. This was exacerbated further by other bank staff cancelling shifts.

There was a constellation of factors which, to a greater or lesser extent, played their part in some of the patients gaining control of the ward on two separate but linked occasions on the night of 1st October 2012, namely:

- Patient mix.
- Patient acuity.
- Disengaged staff from the process of management
- Sub-optimal senior clinical involvement in the planning process with reference to Norbury patients moving to Spring Ward, despite there being provision for this.
- Insufficient management oversight.
- Imperceptible clinical leadership.

Linked together, these factors represent systemic failure, which on the night of 1st October 2012, resulted in the destabilisation of the care environment which could have had catastrophic consequences.

Systems and safety culture are the root cause of the majority of incidents and no less so in relation to what took place on the night in question.
There was a departure from risk management protocols in fully assessing the risks of Norbury patients moving to Spring Ward and this too had a direct bearing on the night of the 1st October 2012.

Once the incidents took hold, there was impulsive and deliberate intention to harm on the part of the perpetrators, three of whom (Patients B, C and D), were very unwell. There is no evidence that either incident was premeditated.

The Independent team considered whether substance misuse, at least in the form of cannabis, may have played its part with some of the perpetrators. However, the RC is of the view that the patients did not require cannabis to be disinhibited. Patient B at the time, according to the RC, had been very unwell, but was improving mentally. His significant mood disorder would account for his disinhibition. Moreover, when urine samples from the perpetrators were tested for cannabis they proved to be negative. Nevertheless, Patient B is known to be a dealer. His nursing management plan written by patient B’s Primary Nurse to manage his physical aggression and his drug taking/dealing activities dated 11/08/12, does not contain any specific therapeutic intervention, distraction techniques or focused work around drug issues. It does, however, insist that he must not have any access to private calls, other than his solicitor and benefit agency.

The RH management and service culture appears to place less than optimal emphasis on standards of professional practice, practice development, clinical leadership, risk management and impact assessment, which creates anxiety and stress amongst some staff. Some of the nursing staff have adopted ‘distancing’ as a means of coping.

Seven out of the twelve factors cited in the Contributory Factor Taxonomy (National Patient Safety Agency, Root cause analysis – 2004) feature generally in this investigation, namely: patient factors, individual factors, task factors, communication factors, team and social factors, working condition factors and organisational and management factors.

Recurrent factors, previously identified as areas of concern by internal investigations carried out by the Trust and cited in an Organisation with a Memory (Department of Health, June 2000), are also relevant to this investigation, namely: institutional context, organisational and management factors, work environment, team factors, individual (staff) factors, task factors, patient characteristics.

This Independent investigation raises a number factors highlighted in the Francis Inquiry (Final Report February 2013) with specific reference to:

- A lack of impact assessment.
- Staff disengagement from the process of management.
- Leadership.

The appointment of a new BDP CAG Service Director creates a fresh opportunity for transformational leadership of forensic services. The Independent team suggest there are three priorities:
I. A review of management costs and arrangements, including medical and other professional engagement in the management process, and investment in supporting and developing clinical practice.

II. A forensic service review which examines patient flow through RH, including: case-mix, triage, assessment and the management of patients who require forensic intensive care.

III. Development of an agreed protocol which specifies the core competencies and behaviours necessary for effective clinical leadership and multidisciplinary working at ward level, for which the RC and Team Leader have accountability to deliver.

It is evident that the BDP CAG commits itself to thoughtful initiatives, as can be evidenced in the examples provided by the BDP CAG in section 17 of this Independent report. Furthermore, comprehensive action plans are generated as and when required.

Successful implementation of action plans aimed at securing maxim impact with regard to relational security, pathways, risk reduction, improving patients and staff safety, the physical environment and service delivery in its broadest sense, is crucially dependent on transformational leadership which engages all staff in the process of leadership and management, and in particular a collective medical responsibility from within the forensic service for the service as a whole system.

Arguably, if clinical leadership and managerial oversight at every level had been stronger in the preceding months, this would have reduced the likelihood of occurrence of the incidents which have been subjected to examination by the Independent Team.

3. The Incidents

**Incident 1:** escalated to a riot (as defined by BDP CAG - Major Incident Protocol and Procedures, February 2012), involved who opportunistically placed staff under siege in the nursing station which required police intervention before nursing staff could regain control of the clinical environment. The antecedent to this incident stemmed from one patient, . This incident resulted in damage to property but no physical injury to staff. The fourth patient, , was initially left on the ward, despite concerns raised by staff that this could lead to further disturbance.

**Incident 2:** followed on almost immediately from the first incident, when approached staff demanding an explanation as to why had remained on the Ward. believed that there was a racial motive.

Notwithstanding explanation from staff, became increasingly agitated and hostile and threatened to kill staff and . This led to a second siege when staff lost control of the Ward for a second time. Police assistance was required again before staff could regain control of the
clinical area. This incident also resulted in damage to property. sustained minor injury to his hand. There were no physical injuries to staff.

4. Acknowledgements

The Independent team would like to thank all those who contributed and supported this investigation, namely:

- Staff of the South London and Maudsley NHS Foundation Trust.
- The Metropolitan Police.
- The London Ambulance Service.
- The London Fire Brigade.
- Fiona Shipley Translation Ltd.

5. Terms of reference

The scope of this investigation required the Independent team to:

- Produce a chronology of events to assist in the identification of strengths and good practices and care and service delivery problems so that lessons could be identified.
- Summarise and comment on the mental health history and care and treatment of patients directly involved in the disturbance.
- Summarise and comment on procedural and physical security management.
- Review liaison with the emergency services.
- Review action following the two incidents.
- Consider findings from any parallel reviews commissioned, relevant to Norbury or RH.
- Make SMART recommendations which can be used to improve and develop services and reduce the risk of recurrence of similar incidents.

The full Terms of reference governing this Independent investigation can be found at appendix 1.
6. **The Independent team**

Paul Beard Consulting was appointed by the Trust to Chair and project manage the investigation. The team comprised:

7. **Patient Consent**

Given the size of the cohort of patient records which needed to be reviewed and the difficulties this presented with regard to obtaining patient consent, members of the Independent team were issued with honorary contracts by the Trust for the sole purpose of accessing the Electronic Patient Journey System (ePJS).

8. **Approach**

The Independent team conducted its work in private and took as a starting point the Trust’s Fact Finding Report signed off by [redacted] on 3rd October 2012 – Incident form number [redacted]. This was supplemented by other resource documents, a full list of which can be found at **appendix 3**. In addition, interviews with relevant staff, past employees and other sources were held.

Root cause analysis (RCA) methodology was applied to examine the circumstances so that lessons could be identified. The Independent team followed established good practice in the conduct of interviews, ensuring that interviewees were offered the opportunity to be accompanied and asked to comment on the factual accuracy of their transcript of evidence.

9. **General Background**

RH opened in 2008, on a phased basis (phase one and two) with 89 beds. The unit had been under discussion for over a decade. The Trust commenced work on an outline business case in 2001, in response to initiatives by the then London Regional Office of the NHS Executive, aimed at reducing reliance on the private sector. The full business case was agreed by the Trust, the Primary Care Trust and the then Strategic Health Authority in 2005, when full planning permission was granted.

Different service cultures and practices associated with the former interim medium secure units at the Dennis Hill Unit (BRH) and Cane Hill Hospital were amalgamated, following a protracted and
challenging planning process which required intervention, in the final instance, from the Secretary of State.

RH is a medium secure unit with six wards. Since October 2010, RH formed part of the BDP CAG, comprising six service lines. Norbury Ward is part of Service Line One. Each service line has a designated Clinical Service Leader.

RH is situated within the grounds of the BRH. It operates, to a large extent, independently from the main site.

The policies and procedures which underpin the service have been well crafted and there is a cycle for reviewing and updating such documents.

RH was a Design and Build project and once commissioned significant flaws in the building were incrementally identified. In 2011/12, a statutory notice was served on the Trust with regard to fire safety and a programme of planned remedial works was agreed. This programme of works was managed in accordance with Prince Methodology.

Provision was made for Consultant medical staff, Team leaders, security staff and other staff to be centrally involved in the project, given the complexity of ward moves and the associated risks this presented. The designated Project Manager held weekly ‘Decant Meetings’ during the lifetime of the project.

Individual patient risk assessments, specifically in the context of Ward moves, were a stated requirement in the project plan. The plan specified that ‘all patients require decant care plans to manage risk’.

Weekly Pathway Meetings are chaired by the Forensic Clinical Service Leader for Service Line One, comprising Norbury Ward, Thames ward, Brook Ward, Spring Ward, William Blake and community forensic psychiatry.

10. Chronology of events from 26th September to 2nd October 2012

The following sources have been used to collate this integrated chronology:

- Written statements from named staff, some of whom were on-duty or on-call on the night of 1st October 2012.
- Transcripts of evidence given at interview with named sources.
- The Trust’s fact finding report and other supplementary notes and logs.
- Confirmation of attendance report from the London Fire Brigade.
- Incident reports from the London Ambulance Service.
- Ascom diagnostic report following the night of 1st October 2012.
- Various responses to requests for further and better particulars.
- Re-enactment event with key staff held on 22nd January 2013.
Although every attempt had been made to capture the sequencing detail of events as accurately as possible, it should be noted that due to considerable variation of timing of some events, the absence of a single detailed contemporaneous critical incident log and variation in evidence a margin of error exists.

The minutes of this meeting record the transfer of [redacted] from [redacted] to [redacted], following [redacted]. The transfer date (admission to Norbury ward) is dated as [redacted] but according to ePJS the transfer date was [redacted].

There were two vacant beds and 13 occupied beds on Norbury at this point in time, with two patients awaiting transfer from prison. There was no evidence of any recorded discussion with regard to risks in the context of Norbury patients moving to Spring Ward on 29/09/12.

On 29/09/12, Norbury Ward patients, with the exception of [redacted], moved to Spring Ward to allow for essential planned works to commence on 01/10/12.

[redacted] remained in [redacted] on Norbury Ward over the weekend, with staff allocated accordingly.

On 01/10/12, scheduled works were due to start on Norbury Ward but were delayed until the afternoon due to [redacted] transfer [redacted] not being possible on [redacted].

There were reports of disturbances from patients on Thames Ward and Norbury patients over the weekend and on [redacted].

**Incident 1**

On the night of 1st October 2012, [redacted] took handover from [redacted]. [redacted] was informed that there had been some disruption during the day on Thames Ward and from some of the Norbury patients (now on Spring Ward).

[redacted] got the distinct impression that events during the day might continue into the night, so after the handover [redacted] started to prepare for potential incidents.
Independent Report - Norbury incidents, night of 1st October 2012

visited each ward within RH to ensure that all ward teams were settled and to get an update of the night statistics for the unit.

Shortly after had allocated specific duties, approached , asking him where his five Nike trainers and designer clothes were, which he believed his mother had brought for him. This was overheard by and overseen by a . This behaviour, on the part of , was considered to be and according to witnesses had been asking the same question repeatedly over the past few days.

Although was informed that his mother had not brought trainers or designer clothes to RH for him, refused to accept the explanation.

explained to that staff on the early shift had checked and rechecked but these items were not in Reception. Initially went away but returned and made further demands that staff . When was told that this was not going to happen, he became verbally aggressive, and according to staff statements, used offensive language, verbally abusing , threatening to assault and challenging to a fight.

There is evidence from interview to indicate that the response from towards exacerbated the situation, although this is denied by .

Comment: had devised a behavioural plan to distract . However, some nursing staff report that this intervention is ineffective and had distanced them from it. There is no evidence that this was tried on this occasion.
At approx. 2200 [ ] activated the panic alarm button.

Comment: reference was being made to [ ] on-call rota which had expired at the end of September 2012. The Independent team understand that the rota is now distributed in hard copy form as well as being available on the shared hard drive. It therefore should replace previous displayed rotas as soon as it arrives in the internal mail system.

Comment: [ ] Whilst the Trust policy does not give guidance on this matter, [ ] However, under the circumstances and on balance, the Independent Team acknowledge that the specific situation required a degree of flexibility and staff initiative. [ ] cooperated with staff and [ ]
was observed to have but according to one witness did not show any overt signs of violence at this point.

but he continued to present in an extremely agitated and threatening manner. One member of the Rapid Response team suggested that another nurse be asked to attend Spring Ward, which did.

Then, in response to a wink smashed out of the hand of . accused the staff of bullying patients.

Attempts were made to prevent any further altercations from , but the situation rapidly escalated and both continued to attempt to attack staff.

In addition, , came out of his room, having heard the disturbance. was advised to return to room and lock the door from the inside, but became aroused and verbalised threats towards staff, making suggestions that then became highly aroused, abusive, confrontational and aggressive towards members of staff.
One [redacted] was called on his Ascom by [redacted] who by now was in [redacted], informing [redacted] that [redacted] was now the only staff member in the main part of the ward, advising [redacted] for [redacted] own safety, as [redacted].

According to [redacted], this message was audible and was possibly overheard by [redacted]. [redacted] told the Independent team that as the ‘triggers’ associated with incident 1 were known to staff, that arguably, it was possible to foresee what would happen, once a decision was taken to [redacted]. [redacted], in the opinion of [redacted], the situation could have been pre-empted and the police should not have been called.

[redacted] remained in the corridor near his room and was observed to be interacting intermittently with [redacted].

[redacted] made contact with [redacted] to inform [redacted] that a riot was about to start on Spring Ward.

[redacted] advised [redacted] to call [redacted], which [redacted] confirmed [redacted] had done but was waiting for [redacted] to call back.
XXX sought clarification as to vacant [ ] on the BRH site which were as follows:

- [ ]
- [ ]
- [ ]
- [ ]
- [ ]

XXX offered assistance but [ ] indicated that [ ] was ok and that [ ] would ask for assistance when [ ] needed it.

The ward, according to one statement, was turned into a ‘war zone’ within a few minutes.

Patients were asked to go to their bedrooms until the situation was under control but [ ] decided to join [ ].

One member of staff in RH reception recalls that somewhere around 2210-2220 that alarms were going off and that false alarms were given over the radio. [ ] also recalls that at around 2225, an Ascom was sounded as a test. [ ] sounded the panel and called the Ascom which [ ] thought was [ ]. [ ] spoke to a [ ] and asked [ ] if assistance was needed but was advised, according to [ ] statement, that this was a false alarm, so [ ] cleared the panel.
At approximately 2220, [Redacted] made calls to the [Redacted], to update [Redacted] on the current situation and the Maudsley switchboard, to enquire [Redacted].

At 2244 the first call for police assistance, [Redacted], was made. It was recorded on the police log that police were needed, as staff were being attacked by patients. RH Reception was informed that the police had been called. However, at 2245, RH reception received a telephone call from [Redacted], asking for the police to be called, so a second call was made at 2245, [Redacted]. This was recorded on the police log that several patients were attacking staff and that a few police units were required.

[Redacted] had already been alerted by the time the second call came in to the central control centre. Between 2247 and 2252, the first police officers [Redacted] arrived on site [Redacted]. One of the two [Redacted] was asked what kind of facility RH was, in addition to other questions which [Redacted] endeavoured to answer.

Comment: The police contend that they were unable to access key information which they required in order to risk assess the situation. Grab packs were available on all wards but staff were unable to provide the relevant packs [Redacted]. However, this information is available on the hard drive and could have been accessed in RH Reception, albeit there was no senior clinician in RH Reception to govern release of this confidential information at this point.

The police spoke with [Redacted] to clarify the nature of the incident and support required regarding danger to life.

At 2253 further back-up police officers [Redacted] were requested by a police officer on-site. RH Reception was informed of the pending arrival.

At 2305 [Redacted] from Bromley Police Station arrived on scene.
At approximately 23.10 received a call from Lambeth Switchboard asking to call the was informed of the incident on Spring Ward, ran through some procedural issues to ensure that the police and had been notified. In a second call, shortly after the first conversation, informed that was making her way to RH to help coordinate the situation. informed her that were now attacking with weapons and threatening violence.

RH Reception was advised of.

New lights in this area had been installed but at this juncture were not commissioned into operation.

At 2317 a third call was made to request ‘riot police support’ – . This was recorded on the police log as had started rioting in the first instance.

Comment: This account is inaccurate, either because of what the police were told or because it was misconstrued in the translation.

At 2319 the police requested.

At 2330 received a call from , informing that there was a problem on Spring Ward and . was asked if the lights in the fire road were in working order. He informed the caller that there was a flood light in the loading bay in working order but , as previously described above.

Also at 2330 received a voice mail message from with regard to the situation on Spring Ward.

At 2337 was made aware of situation.

At 2345 more police had gathered.

At 2346 from Bromley Police Station declared the situation to be a Critical Incident. When this occurs, the Bronze, Silver, Gold command structure is invoked.
Comment: although xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
known to several police officers who thought might be in charge.

on Spring Ward could see that there were people outside through the frosted glass window. Although unable to tell who they were, they assumed that they might be police officers.

At 2352 the police requested the presence of the LAS.

On entry, the police considered it unsafe at this juncture.

The Police Response team was separated from the patients. The police observed patients making threats to staff and.

At some point, returned to Reception with a small pane of glass believed to have fallen out of the lower section of the fire door.

confirmed that were involved and that prominent amongst these patients: was seen sitting calmly but directing the activities of others. mostly stood at the door.

removed himself from the door and joined other patients in the TV lounge, who had gathered to watch.

Comment: 

Whilst staff were trapped, they observed some patients pacing around the ward, whilst others had come out of their rooms, having been woken by the constant sound of the alarms, looking distressed and asking for the alarms to be silenced.

emptied all the paper and rubbish from the rubbish bins and scattered it around.
As the police continued to assemble and risk assess the situation, xxx made several telephone calls from the patients’ telephone kiosk to the emergency services, informing them that patients had escaped and were attempting to stab nurses. Bogus names were given for patients and staff.

xxxxxxxxxxx gave several assurances to the police that these calls were being made by xxxxxx , but were informed by xxxxxxxxx that the hospital did not have this facility. xxxxxxxxx gave the police the number of the patients’ telephone which they checked with their central control room. This confirmed that it was the number of the patients’ phone which had been used.

Comment: xxxxxx xxxxxxxxxx but staff were unable to leave to restrict access to the telephone.

Because of the threatening behaviour of the said patients, the police called for more support, though they continued to risk assess the situation through xxxxxx and to monitor the threat towards staff xxxxxxxxxx.

At some point after the arrival xxxxxxxxxx, the Lock Down Policy (May 2012) was invoked and the wards at RH were informed by RH Reception that staff and patients were to remain on their wards.

The police and xxxxxxxxxx kept in regular telephone contact with the staff xxxxxxxxxx.

Comment: The RH Rapid Response Team and xxxxxxxxxx were unable to fulfil their duties should a further incident occur within RH.

02/10/12

At 0020 both the London Fire Brigade (LFB), incident number xxxxxxx, and the xxxxxxx responded.

One report by xxxxxxx refers to “support to stabbing incident”. This is probably based on one of several hoax calls made by xxxxxxx.

At 0027 the LFB arrived.

One of the Reception staff accompanied a fire officer to the fire panel as the alarms were sounding and because he wanted to check to make sure that it was not a false alarm.
The Fire Brigade silenced the panel, but remained on-site just in case there was a fire and that it was not just the smoke detector set off from patients smoking in their bedrooms.

At 0030 XXXXXXXXXX received a bleep asking to phone XXXXXXXXXX which he did at 0035. XXXXXXXXXX updated XXXXXXXXXX.

At 0034 and 0036, the two LAS crews arrived on scene. On arrival they were met by the police and XXXXXXXXXX.

XXXXXXXXXXX went to XXXXX to collect some high visibility coats as there were staff outside who were cold.

At 0040 XXXXXXXXXX had a telephone call with XXXXXXXXXX. It was agreed that XXXXXXXXXX would manage the on-site situation. It was agreed that XXXXXXXXXX should be informed of the situation.

At 0045 XXXXXXXXXX made a telephone call to XXXXXXXXXX. As there was no reply, he left a message and sent texts later on as there was still no response.

At 0050 XXXXXXXXXX called XXXXXXXXXX, to inform of the incident, advising that XXXXXXXXXX was on-site and that everything was in hand.

Comment: Grab packs situated in the nursing station contain vital key information, such as that which was being requested by Scotland Yard.
At 0052 arrived under leadership of .

 discussed the situation with , who asked her to check if the on Norbury Ward could be put back in to use, bearing in mind that the ward had been decommissioned. On inspection of the ward, work tools were found to be in situ. , though not ideal in cleanliness, were deemed to suffice as a temporary place of safety.

 picked up left items and placed them in the main part of the ward and . Main concern was that the were not on RH keys .

 made a quick assessment as to which patients should be placed and who should stay on the main part of Spring Ward.

 were observed to be more vocal, active, threatening and hostile throughout the incident.

Once the above plan was formulated, informed the police that places of safety had been found.

The police were at first reluctant to assist in placing these patients in the aforementioned areas, as they saw this to be the responsibility of the staff. However, agreed to either remain with them throughout or for a member of staff nominated by to accompany the patients.

The police are also described as being reluctant to assist with the transfer of but agreed to do so, although, they would not enable this transfer to take place in a police van.

agreed at this point that the RH security van would be used and nominated to drive, as long as the police remained with the patient until he was safely placed in .

From 0105 to 0226 a series of telephone calls took place , when was updated on tracking the police entry to Spring Ward. He was informed
and that police were planning to enter Spring Ward once they had risk assessed the situation and the management plans for the perpetrators.

At 0114 the police decided to text to inform of events.

0119 The LFB closed the incident from their perspective. In their incident report they referred to RH as a prison and that the incident was coded as a ‘false alarm – good intent’

At 0120 asked switchboard to bleep but got no response.

At 0126 also bleeped to brief but got no response.

At 0130 telephoned switchboard again as had received no response from.

At 0135 telephoned to verbally brief regarding the situation.

At approximately 0210/0252 (according to the police log and statement) or 0130/0140 (according to Staff statements) police moved patients into the lounge area, clearing bedroom after bedroom. whilst police were stabilising the situation.

Once all the patients were accounted for, the police told staff that it was safe for them to leave the ward.

On leaving the ward, staff were escorted to where they underwent a series of physical observations conducted by the paramedics. No serious medical conditions were declared. Staff requested that their blood pressures were recorded. Further observations and hospitalisation was declined.

remained unsupervised once staff had been evacuated from the ward. saw on two brief occasions, with a police escort, to establish that was breathing and not in too much distress.

Comment: Most patients played no part in the riot. Some patients subsequently reported their sense of distress to but there is nothing recorded in the notes to this effect, even though there were potential
safeguarding issues at stake. Attempts to secure further and better particulars about the methods have been unsuccessful.

was asked to enter the ward to identify the patients for removal .

had by this time, calmed down considerably and although remained verbally threatening and abusive, obeyed police instruction, sitting on the floor with his arms above his head allowing the police to handcuff him. He was initially ignored by the police until several promptings by staff. He was escorted by on Norbury Ward.

, whose presentation had not changed throughout the period, returned to his room and was later brought out in handcuffs before he was escorted by to on Norbury Ward.

was left sitting in the day area, as if he had played no part in the riot, despite all earlier insistence from staff that he had been a significant player in the disturbance. He was not handcuffed, as had been and was not taken off the ward. was allowed to continue to remain in the TV lounge.

was considered by staff to be a behind-the-scenes orchestrator and manipulator.

According to staff statements, the police, after entering the unit, ignored the request of staff to treat the same way .

Staff state that the police made no attempt to coordinate their actions with staff , to gain information and to help them plan their strategy in order to minimise disruption to the unit.

Comment: Although there is evidence that was actively liaising with the police, there is no evidence of anyone working in partnership with the Bronze, Silver and Gold command structure, which the police had put into operation and which forms part of the Trust’s protocol once Lock Down is invoked.

According to staff, most of the patients who were unnecessarily woken up were visibly angry and later said so. They had nothing to do with the disturbance and some were unable to return to sleep after apparently struggling very hard to fall asleep.

met staff to inform them that the situation was now under control and had been transferred to and that had been transferred to .

Staff expressed their concern with regard to remaining on Spring Ward.

At 0150 telephoned , as there was no response from . subsequently spoke with , who informed that would go to BRH. At this decided to go to BRH and advised accordingly.
At 0210 [redacted] telephoned [redacted] to inform [redacted] that [redacted] was going to travel to BRH. [redacted] also bleeped [redacted] but got no response.

At 0218 [redacted] sent a text to [redacted] to advise [redacted] that [redacted] was travelling to BRH. At 0220 [redacted] updated [redacted] verbally.

A series of three conversations took place between [redacted] and the [redacted].

At approximately 0230 the police began to enquire as to when they could leave. However, it became evident at this point that there was no-one to replace staff. [redacted]

[redacted] went to [redacted] to discuss the situation with staff. After a period of reflection, and against the advice of the paramedics, they agreed to return to work, although they were offered the opportunity to go home. Two staff were deployed to [redacted] where [redacted] had been transferred [redacted]. One staff member remained with [redacted] and two staff recommenced observations on [redacted] on Spring Ward.

Just before the police finally retired staff complained again about [redacted] remaining on Spring Ward. Therefore, a decision was taken to nurse [redacted] on Spring Ward and to offer [redacted]. Two staff were deployed on 2:1 observations with this patient. The rest of the staff started clearing up Spring Ward. The police left Spring Ward some time after 0230.

At 0240 [redacted] received a call from [redacted], informing her that [redacted] had been transferred from Spring Ward. [redacted] advised her that [redacted] should be placed in [redacted].

As the police and emergency services left, [redacted] was informed by RH Reception that [redacted] was not closing. [redacted] asked that on-call maintenance be contacted as the wall alarm on Spring Ward required deactivating. Repairs were also required to the nursing station door.

At 0254/0300 the LAS crews left the BRH site.

Incident 2

Three members of staff were preparing tea, snacks and a smoking break for the remaining Norbury Ward patients on Spring Ward, shortly after the closure of incident 1.
who was now being nursed in started to resist this arrangement. He was offered but refused, so staff 'rushed' to assist.

It was during refusal to stay that drew attention to still being on the ward. Some of the other patients was still on the ward.

tried to deescalate the situation, explaining that they were unable to discuss such matters, as they had not been present on the ward when these patients had been removed.

became increasingly agitated and hostile and threatened to. charged towards.

retreated to summon help. also kicked the nursing station doors causing damage to the door nearest to the staff toilet.

barricaded themselves.
Independent Report - Norbury incidents, night of 1st October 2012

[Redacted] contacted [Redacted] on the radio to inform [Redacted] of the situation.

At 0251 [Redacted] informed [Redacted] of the second incident.

At 0300 [Redacted] received a call from RH Reception informing [Redacted] that [Redacted] had requested that [Redacted] attend RH with the Emergency Team, comprising [Redacted]. [Redacted] also contacted [Redacted] to brief them on what was happening. The Emergency Team waited in RH for further instruction from [Redacted].

At 0305 [Redacted] arrived. [Redacted] held discussions with [Redacted] and telephoned [Redacted].

[Redacted] based [Redacted] and assisted with various administrative tasks.

[Redacted] based [Redacted]. The Emergency Team was subsequently told they could return [Redacted] to wait for further instructions.

At approximately 0305 [Redacted] arrived at RH. [Redacted] went to Monks Orchard House to explore the possibility of [Redacted], which was not available, so [Redacted] returned to RH.

At 0306 [Redacted] requested police assistance. [Redacted] from Bromley Police Station arrived quickly and dealt with the situation promptly. They were clear that they would

[Redacted].

By this time, [Redacted] observations had been increased [Redacted] as [Redacted] was refusing to remain in [Redacted] and had become [Redacted].

[Redacted] was informed.

At 0310 [Redacted] arrived at BRH. [Redacted] went to RH where [Redacted] was informed [Redacted] that a further incident had occurred.

[Redacted] liaised with the police who were questioning [Redacted].

At 0315 [Redacted] telephoned [Redacted], to discuss the situation surrounding the second siege and the difficulty [Redacted] was having contacting [Redacted].
Comment: It would appear that RH Reception did not have an up-to-date list for the night of 1st October 2012 in fact.

In the absence of the October on-call rota, Reception staff wrongly identified. Although this information had not been printed, it was available on the hard drive. (See above.)

Comment: When was interviewed by the Independent team, stated that was surprised that no one had called, even though they had the wrong rota, as was often called when there were issues with Norbury Ward patients, whether was on-call or not. Given the severity of the situation and the recent move from Norbury to Spring Ward, should have been informed of event once control of the ward was lost.

From 0318 had a series of three telephone conversations with with regard to the management of the second incident. A plan was agreed .

made a telephone call to the River House but there was no response so he left a message on the voicemail. At 0321 contacted who agreed to attend the unit if required to do so.

Comment: Given the severity of the situation the presence of would have been appropriate. There was no senior medical presence for either incident 1 or 2.

The Independent Team were provided with an initial Fact-Finding Report signed off by dated 3rd October 2012 which specified that at 0315 had phoned informing him of the second siege and the difficulty was having contacting . This version of the Report also states that at 0321 contacted who agreed to attend RH if required to do so.

On 20th November 2012, the Independent Team was provided with an updated version of the Fact Finding Report, although the date of this newer version remained 3rd October. The Independent Team was informed at the time that this was not normal Trust practice. In this updated version, the aforementioned reference to differed to the initial version by the addition of a sentence. This read:

“It would appear that RH reception did not have an up-to-date list of for the unit. In the absence of the October on-call rota, wrongly identified as on-call instead of .”

for 1st October 2012 according to the October rota which the Independent Team obtained.

However, the Independent Team heard evidence from that had contacted the correct consultant because he knew that person to be on-call but
received no reply. The Independent Team also obtained the September on-call rota and cannot reliably determine from it reasons why [redacted] was contacted in error. The September on-call rota identifies another [redacted] for 1st September which presumably would have been the date mistakenly referred to if the wrong rota was the source of the problem and that [redacted] were unaware they were working from the wrong rota. However, if [redacted] were aware that they had an out-of-date rota then they may have contacted [redacted] because [redacted] was on-call for 30th September – the last date on the September rota.

At approximately 0345 the police re-entered Spring Ward via [redacted]. By this time [redacted] was in his room. The police escorted [redacted] to join the other five staff.

Staff remained in this area [redacted].

From approximately 0345 to 0420 the main ward environment was unstaffed, although staff [redacted] had visual sight of the main ward corridor. [redacted], were left without access to any staff or care.

At approximately 0355 to 0420 [redacted] went to the front door of Spring Ward. At first glance there was no presence of patients in the main communal part of the ward, so the above named entered [redacted]. There was a discussion regarding further risk assessment, but this was not possible without entering the ward.

Staff could be seen through the glazed panels [redacted]. Rubbish was observed to have been strewn about and the alarms were sounding.

As no one was visibly present in the main part of the ward it was agreed that [redacted] would enter the ward. Once in the ward, no patients were present in the main communal areas. [redacted] were beckoned to, indicating that it was safe for them to re-enter the main part of the ward. Staff were asked to check patients’ bedrooms, and to check that patients were present.

Maintenance staff attended to the damaged [redacted].

At 0400, [redacted] received a call from [redacted] requesting the Emergency Team to go to Spring Ward. On arrival all patients were in their rooms so the Emergency Team helped to sweep up the ward, tidy the nursing station and clear all of the debris.

[redacted] asked RH Reception to ring available (off-duty) staff to come in early to assist if they could. Two members of RH staff came in early to assist, one of whom relieved [redacted] who needed to go back to her ward to assist with personal care. In
addition, Chaffinch Ward sent a member of staff to help on Spring Ward, so that the Chaffinch emergency bleep holder could return to her ward.

undertook three reviews within RH for .

At 0414 had a series of two telephone conversations with , informing that the ward had been secured and that any staff waiting in could now return to Spring Ward.

arrived at RH at 0445.

Staff gathered for an initial debrief in the conference room on Spring Ward, facilitated by , which was variously attended by staff.

During this time, came out of room in an aroused state and was demanding a cup of tea. asked the staff to leave the debriefing session until the patient returned to room. was very confrontational with staff, making various insults and accusing staff of racism. skilfully defused the situation and helped to make a cup of tea. returned to room and the staff debriefing continued.

At 0500 full control of Spring Ward was restored.

At 0530 deployed to relieve Spring Ward staff who were carrying out observations in so they could attend a debriefing session.

All members of the BRH Emergency Team left Spring Ward when it was considered safe to do so. The Norbury Ward staff took over observations.

At approximately staff were seen and supported by that at approximately met the Norbury staff for a further debrief.

After the debriefing sessions, it was agreed that should be transferred . assisted with transfer, using the

met to inform her of events.

Once the day staff had relieved the BRH Emergency Team members, went to review , following which she wrote her notes for the night.

telephoned , who came in early to take a briefing of events and to discuss decision making processes.

handed over to who was based .

went to Norbury Ward. It took some time to gain access. She was let in , walking past , who were in .
At 1200 an emergency crisis meeting chaired by [redacted] was held to take stock of the two incidents and recommend immediate actions to prevent recurrence, support staff on duty, and advise on measures to consolidate physical and relational security.

Systems checks were carried out on 02/10/12, as there were concerns that patients had interfered with security systems during the incident.

There was no interference to the fire alarm on the wards or interference with CCTV systems. [redacted]. All Ascom devices were remotely tested late on the night of 02/10/12 and reported to be in working order.

The Fact Finding report acknowledged that there was no headcount throughout the night of 1st October 2012.

The incidents were rated as category B Serious Incidents (Incident Policy, September 2011).

There was a breach of SC policy with regards to [redacted], in that circumstances prevented staff from conducting reviews for a period of time when staff were escorted from [redacted] and until the police were able to stabilise the situation.

11. Patient Care and Treatment.

Background

When Norbury Ward became operational in 2008, it opened with thirteen beds. However, bed numbers were subsequently increased to fifteen in late 2009. In doing so, this removed two de-escalation rooms within [redacted], removing a critical therapeutic option [redacted] without securing alternative strategies for the clinical management of patients.

Norbury Ward takes direct admissions (new patients), in addition to accepting inter-ward transfers (PICU function) when patients on other wards (except Spring Ward) become acutely unwell or deemed too disturbed and cannot be managed on Thames Ward.

[redacted] reports that during the past twelve months Norbury Ward has accepted 50% of the total admissions to the Trust’s forensic services, of which PICU patients accounted for 50% of all admissions to the ward. Moreover, fifty nine patients were admitted to Norbury Ward between January and September 2012.

The very nature of Norbury Ward means that turnover and acuity is often high. According to [redacted], Norbury Ward has at times been over-occupied, [redacted] – although this is disputed in the BDP CAG response to the draft report.

On average, during the month of September 2012, 13 out of a complement of 15 beds were occupied. [redacted] described the ward at this time as being especially busy with an intensive level of admissions, transfers and discharge activity, and at the time when Norbury
patients moved to Spring Ward on 29/09/12, there was a significant number of challenging patients, high staff sickness levels and regular use of bank and agency staff.

In addition, Norbury ward has been the main ward responsible for the Lewisham Triage Assessment Model; an innovative approach to managing and assessing patients over a twelve week period, during which thorough assessment and initial treatment is expected. This placed additional strain on all members of the ward team.

The Independent team understands that this was a very successful model in that it saved the Lewisham PCT £1.5 million. However, the nature of the contract meant that there was an expectation of four-weekly reports to the Commissioners, in addition, to the quarterly reporting to the Commissioners for local patients and monthly reporting for national patients. There does not appear to have been any documented impact assessment associated with the Triage Assessment Model.

Approximately half of Norbury Ward’s patients are admitted from xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Before__________, Norbury Ward had been without a substantive RC for some time.

The clinical team has access to a facilitated reflective practice group (RPTD Project).

In March 2011, Norbury Ward was the focus of an investigation__________, following a series of incidents instigated by a patient__________. These incidents resulted in a number of concerns including the maintenance of patient dignity, infection control, health and safety of the named patient, fellow patients and staff, and the action of clinical staff to effectively manage and resolve the situation.

Methodology

For the purposes of this Independent investigation, the Independent team reviewed the care and treatment of__________. It should be noted that examination of care and treatment focused in the main on the month of September 2012, leading up to incident 1 and incident 2 on the night of 1st October 2012. This time frame was extended either side when it was considered to be relevant to do so.

The Independent assessment used Norbury Ward’s operational policy as a marker, with particular reference to:
Section 2 - Philosophy of care:
- The staff of Norbury Ward believe in teamwork to achieve the assessment, treatment and early recovery of patients in a secure environment.
- The team has adopted the ‘Confidence in Caring’ framework for best practice (DH, 2008), and therefore provide individualised care that has continuity and consistency. The aim is to promote each individual’s optimum functioning, whilst being sensitive to personal preferences. Staff will involve patients and their families, with consent, in making decisions about their care and with regard to the running of the ward.

Section 11 - Care planning:
- Care planning is essentially about addressing an individual’s full range of needs. This is done in collaboration with the patient and members of the multi-professional team. It is a holistic process with a strong focus on helping service users, together with their carers and family, achieve the outcomes they want for themselves. In Norbury Ward care planning will be documented and shared with patients and in some cases advance directives will be established with patients so that during management of serious incidents the patient’s involvement is maintained.

Section 14 - Norbury daily routine:

Section 15 - Activities on Norbury Ward:
- It is recognised that meaningful occupation is an integral part of the therapeutic process on Norbury Ward and that activities should be as readily available as possible.

Section 20 - 

Section 22 - Service user involvement:
- Norbury Ward subscribes to the vision of “No decisions about me, without me” and at all stages in a person’s recovery, will seek to involve them to the fullest extent in the assessment, planning, delivery and review of care.

Interviews were conducted

One planned and two impromptu visits to Norbury Ward were made during the daytime shifts. Two impromptu visits were made to Spring Ward.

The Electronic Patient Journey System (ePJS) was used to review patients’ records, with specific reference to:
- Risk assessment.
- Progress notes.
- Care Plans.
- Medication.
- Adherence to The Mental Health Act 1983 Code of Practice and other statutory obligations, relevant national guidance, Trust wide and local policies.

Data from two sets of the Trust’s PEDIC Report (Patient Experience Data Information) for Norbury Ward were examined, with particular reference to involvement with care plans, medication, safety, satisfaction with the available therapeutic programme, goal setting, and one to one time with staff.

Findings:

Patients who acted as perpetrators during incident 1
Independent Report - Norbury Incidents, Night of 1st October 2012
Independent Report - Norbury incidents, night of 1st October 2012

“...”
Independent Report - Norbury incidents, night of 1st October 2012
Independent Report - Norbury incidents, night of 1st October 2012
Independent Report - Norbury incidents, night of 1st October 2012
Independent Report - Norbury incidents, night of 1st October 2012
Independent Report - Norbury incidents, night of 1st October 2012
GENERAL FINDINGS FROM THE CARE & TREATMENT REVIEW

Risk assessment:

The Independent team found that for xxxxxxxxxxxxxxx there was a completed ePJS risk assessment in place that ranged from satisfactory to excellent, completed by a range of disciplines. As at 1 October 2012, the average age of xxxxxxxxxxxxxxx risk assessments was 40 days exactly.

In contrast, it is of note that no ‘risk event’ entry was made for the night of 1 October for any of xxxxxxxxxxxxxxx identified as being involved.

Of the ten patients, seven had HCR20 risk assessments. The three patients that did not have HCR20 risk assessments had been admitted to hospital for less than three months.
The Independent team was very impressed with the scope and depth of the HCR20s and with the risk scenarios. They went well beyond the standard and rather categorical approach.

There was quite a range of ages of HCR20s, with the oldest (on 1 October 2012) being 435 days old. The average age of the seven completed HCR20 risk assessments was 244 days, or eight months and one day.

The Forensic Inpatient Emergency Transfer protocol recommends the inclusion of a current and complete HCR20 at the time of patients transferring between wards. The Independent team found that transfers went ahead more often than not without transfer forms (i.e. clinical summaries) in place. It found also that HCR20s are not updated for this purpose and did not accompany transferring patients.

The Independent team was impressed with the good intention behind the running of the HCR group and the principle that lay behind it - the involvement of the patient in risk management.

Progress Notes:

Of the clinical notes examined, the Independent team was impressed with the quality of the OT entries in particular, by the thorough and regular CT-grade doctor entries for secluded patients, and by the contribution made to the record by gym instructors.

One of the features that really stood out, however, was the reduced amount of senior medical entries on ePJS and the reliance instead on Ward Round minutes to record clinical changes and decisions that had been made. The Independent team is clear in its finding that during the timeframe when care and treatment was reviewed there were fewer entries made by senior doctors setting out clinical information relevant to treatment than would be expected. The GMC’s Good Medical Practice requires that doctors must keep clear, accurate and legible records, reporting the relevant clinical findings, the decisions made, the information given to patients, and any drugs prescribed or other investigation or treatment, and that they must make records at the same time as the events they are recording or as soon as possible afterwards. The Independent team found that the junior doctors were better at doing this than their more senior colleagues.

Of particular note (and here there is overlap with Mental Health Act Code of Practice compliance) was the insufficient number of senior medical entries on ePJS for secluded patients indicating regular review and assessment. This problem was particularly marked in absence, but nevertheless it was when there ought to have been cross cover arrangements.

Taking case as an example, that is of some concern. There are
two entries, which highlight that concern. In fact, the patient’s medicines were but made no entry. By implication, we were concerned about the senior medical cover arrangements for.

The Independent team also raise this point inasmuch as they consider that senior doctors run the risk of damaging the relationship they have with their patients (and so negatively affecting their progression) by demonstrating to them an attitude to care when in seclusion which is less than satisfactory and which is less than the Code or Practice requires.

The Independent team also noted that not all management rounds and Ward Rounds were minuted reliably in terms of who attended them.

**Care Plans:**

Practice was variable. The Independent team was impressed by the OT care plans in particular but found that there was an inconsistent overall picture.

**Medication:**

The prescribing practice on Norbury Ward is up-to-date and is evidence-based. However, the Independent team did not find good evidence of medication changes always being discussed with patients and recorded and that is of note (see below).

**Mental Health Act compliance:**

The Independent team was impressed with the reliable pattern of consent always being obtained at the three-month point for newly admitted patients as Section 58 of the Mental Health Act requires it to be. However, the situation concerning valid Consent to Treatment procedures for patients who were already in River House but had moved on to Norbury Ward needs attention.

The Mental Health Act Code of Practice states that if the patient is secluded for more than 8 hours consecutively or for 12 hours or over a period of 48 hours, then a multi-disciplinary review should be completed by a senior doctor or suitably qualified approved clinician, and nurses and other professionals who were not involved in the incident which led to the seclusion.
In a number of cases there was significant deviation from the Mental Health Act Code of Practice.

**Other:**

There were several positive findings as well. One hugely impressive feature of Norbury Ward is the Family Surgery which [redacted] operates (and which is a feature of [redacted], alongside the Management Round). The Independent team was very impressed that the Management Round was used as an opportunity to ensure that invitations were made to others to attend this.

While substance misuse groups are available in the central therapies department in RH, in practice Norbury Ward patients have restricted access. However [redacted] runs a substance misuse group. There is no dual diagnosis practitioner as part of the RH establishment.

* * *

The Independent team heard just how hard it has been for [redacted] responsibilities in this period when [redacted] had no SpR and when [redacted] worked with a CT doctor who - as [redacted] told us - found it difficult to function at a CT1 level. The burden on medical documentation was significant. This is a particular problem on a ward where there is much liaison work with the police (in assisting them with decisions to prosecute or not) and with the courts.

That the Independent team found deficiencies in the various procedural matters like doing the T2 forms and always recording events on ePJS as they happen, suggested how real a problem this was. On a ward like Norbury, which unusually has both [redacted], a consistent medical presence needs to be assured. Although the Independent Team has been advised of the ‘priority status’ enjoyed by Norbury Ward in terms of SpR allocation, [redacted] gave a different account. [redacted] should ensure that an SpR (or SpRs) are always allocated to Norbury Ward. The training experience it offers is enormous and it should rightly be a popular ward to work on for aspiring consultant forensic psychiatrists.

12. Security Review

**Background**

Two months after River House construction works commenced, the Department of Health (DH) published Best Practice Guidance: Specification for Adult Medium Secure Units, July 2007. An invitation was extended to the [redacted], who was asked to review security provision for River House against the DH guidance. This led to approximately one hundred and fifty recommendations being made, which added three months to the construction period, with a cost in excess of £1M.
The philosophy behind the design of RH was based on the ‘recovery model’, whereas the complexity of referrals and acuity now is very different to what was envisaged at the time.

Norbury Ward’s function has been subject to several changes since RH opened, including functioning as a PICU, an Admissions ward and – as the Independent team heard evidence – as a sub-acute and pre-discharge ward. Over time, the changes have required three other wards to accept an increased responsibility for acutely ill patients. However, the Independent Team have seen evidence that this added responsibility for acutely ill patients has caused tension within the pathway and inter-ward dispute.

Since the incidents on the night of 1st October 2012, the function of Norbury Ward has been the subject of further review, with a view to the ward having two core functions, namely: PICU and triage. Bed numbers have been reduced from fifteen to twelve which is understood to be a permanent reduction.

The interface between care and security requires special management and leadership, in a complex and difficult environment. It requires people working together with a common purpose.

The River House Operational Policy (undated) contains within it a section which outlines the duties and responsibilities expected of Reception staff who work in and with the department.

[Redacted content]

[Redacted content]
It is worth noting that since the incident on the night of 1st October 2012, there have been changes in managerial leadership. [Redacted] left the Trust in [Redacted]. This departure was unrelated to the incidents under examination. The post was held for a short period of time by one of the [Redacted].

On [Redacted], which by all accounts has made a significant difference to care and treatment, and a higher success rate in the use of deescalation techniques.

This arrangement is a temporary one. The gain derived in a relatively short period of time suggests that there is an urgent need to invest in clinical leadership which directly improves nursing confidence and competence at ward level.

Shortly after the opening of RH, discussions with the [Redacted] Police were held. At that point ‘grab packs’ were finalised and all calls from RH were rated [Redacted].

Over the years there have been numerous organisational and personnel changes in both police and SLaM but the work has continued.

The Trust has operated for some time a Trust-wide police liaison meeting. Above that [Redacted] chairs a quarterly meeting with [Redacted] and each hospital site has its own local police liaison group. [Redacted] is the lead officer for BRH and all RH related police liaison work goes through the [Redacted], in conjunction with the [Redacted].

The Independent team has been told that nurses have an unrealistic expectation of police officers which results in some nurses discharging their authority to police when clinical leadership of situations should be retained. There have been a number of occasions when nursing staff fail to coordinate and brief police officers fully on their arrival.

Conversely, the Independent team understands that police officers complain that they get called to too many situations when patients have gone absent without leave (AWOL) from other wards on the BRH site, when they receive no handover on arrival. Consequently, many police officers have developed a bad impression of the BRH (based on previous experiences) and have unrealistic expectations of the BRH/RH response teams (equating it to their own response units).

Since late 2009 work has been undertaken on a GPS tracking project to manage AWOL situations.
Methodology

Trust and BDP CAG policies and guidelines were scrutinised, for clarity and organisational purpose. The following policies were used as markers for assessing relational and physical security:

Each policy was reviewed from two perspectives:

I. The quality of the policy to contribute to the overall security envelope of River House.
II. The translation of policy into practice.
See Think Act – Your guide to relational security, published by the Department of Health 2010, was used as marker, with specific reference to:

- Team functioning.
- Boundary setting.
- Therapy.
- Patient Mix.
- Patient Dynamic.
- Physical environment.

In addition, one planned and two impromptu daytime visits were made to Norbury Ward and two to Spring Ward. The Chair of the Independent team also spent a day with the RH Reception team using overt participant observation.

Findings:

The operational policies for both RH and Norbury Ward offer a clear vision and structure for the service. They are aspirational in nature, realistic and achievable. They are presented clearly and concisely, and provide a logical progression; setting out appropriate objectives for the care and management of patients within a Medium Secure Service.

Some policies, for example the operational polices for RH and Norbury Ward require updating to reflect recent changes.

The policies offer a baseline for service audit through which organisational assurance can be tested.

Some of the aforementioned policies are subjected to external scrutiny by the Department of Health’s Annual Security Review and by the Royal College of Psychiatrists Forensic Network. Both the DH and the RCPsych reviews use the DH Best Practice Guidance: Specification for Adult Medium Secure Services, 2007, as the benchmark.

Comment: Despite the comments above, there is serious disconnection between excellence in policy and translation of policy into practice and serious concern on the part of the Independent team that assurance testing of agreed polices is not rigorously and consistently applied.

Policies in practice during the night of the 1st October 2012:

1. Emergency response protocol

It is clear from interviews with staff, particularly that a problem arose with following the Emergency Response Protocol.
Her documentation of events on the night of the 1st October 2012 is commendable. Particularly once the police declared incident 1 a Critical Incident and invoked the Bronze, Silver and Gold command structure.

[Redacted] offered help at an early point, once [redacted] was informed by [redacted] that incident 1 had occurred. However, this offer was declined until much later in the night.

Arguably, [redacted] should have located themselves in [redacted] to oversee the transfer of vital information to the police on their arrival to facilitate risk assessment.

II. Lock Down procedure

The Lock Down procedure was implemented on instruction of [redacted] at some point after [redacted] arrival, having been advised to do so by [redacted]. The Lock Down policy...
stipulates that for a major incident the Bronze, Silver and Gold command structure should be established.

There is no evidence that the Bronze, Silver or Gold command roles were assigned to Trust staff to work with the police accordingly.

In the first instance, this left [person], who was first on the scene at around 2247, to rely on communications between [person] until the first CAG on-call manager arrived at approximately 2310, just shortly after the arrival of the [person], who arrived at 2305.

III. Major Incident Protocol

The staff directly involved in the incident, referred to the incident as a ‘hostage taking’ situation and used this terminology in their communications with the police, in their statements, and as part of incident reporting. This is incorrect terminology as there were no demands being made on the part of the perpetrators, conditional on release of staff.

Comment: The Major Incident Policy defines incident 1 and 2 as a ‘riot’, in that there was ‘concentrated destruction by more than 2 residents’.

Arguably, it may have helped the team to focus better on the what was taking place, and the appropriate response, if correct terminology had been adopted, following the guidelines in the Lock Down procedure, and enabling [person] to establish Bronze command when incident 1 occurred. This could have assisted the police in formulating an earlier plan of intervention.

Once [person] arrived, clear information was provided to the nurses [person].

IV. Use of Ascom – policy and practice

Staff entering clinical areas are expected to collect and return Ascoms from RH Reception, although in the case of the Rapid Response Ascoms, prior to allocation.

Ascom is a global positioning system providing staff with a means of summoning help in an emergency

The manufacture and supplier (Ascom Wireless Solutions UK) of mission-critical communication systems has vast experience in working with the NHS and provides significant back-up, including diagnostic testing and training.

Some staff told the Independent team that they had little confidence in the Ascom system and that it was not uncommon for there to be systems failure, as opposed to incorrect usage by staff. However, when the Independent team met with [person]
and representatives from Ascom on 05/02/13, it became clear that the main problem lay with staff, as opposed to systems failure (soft or hardware).

Comment: At interview and during visits to Norbury Ward, there was a surprising number of staff who gave incorrect information, when asked to explain how the Ascom units worked, especially with regard to [redacted]. This is something which has been identified previously in a number of internal investigations, but not addressed sufficiently to secure a high level of compliance and confidence in the system.

There were examples of user failure on the night of 1st October 2012. Some of this may have been the result of human error arising from ‘panic-scramble’ on the part of individuals. However, even allowing for this as a factor, the evidence presented to the Independent team indicates serious failings across RH as well as Norbury Ward as follows:

There is evidence of very good and consistent training for staff on security and particularly the use of Ascoms.

The Independent team has considered different sources by which to triangulate a confident position that the Norbury Team (and other staff) are not effectively and consistently applying policy into practice with regard to the use of the Ascom System; [redacted].

V. Overt Participant Observation – RH Reception

On the 05/03/13, [redacted] spent most of the day in RH Reception, shadowing different members of the team in the execution of their duties and responsibilities. This demonstrated a high level of policy being delivered in practice.
There is commendable departmental leadership in RH reception, with a robust determination to ensure that the multiple security functions for which Reception staff are accountable, reach required standards.

There is considerable traffic in and out of RH, especially at certain times of the day.

VI. Ward Visits

The Independent team visited Norbury Ward on three occasions and Spring Ward twice.

During the first visit to Norbury Ward (a planned visit), [redacted], in the opinion of the Independent team, were unfit for clinical purpose, for example:
Before leaving RH on 3rd December 2012, the hazards listed above were discussed with [REDACTED]. Later that same evening, [REDACTED] brought the hazards to the attention of [REDACTED] and an Exception Report was discussed with [REDACTED] and submitted the following day.

The Independent Team understand that the Trust is planning a further review and re-provision of supervised confinement facilities in RH.
At the same time as the first visit on 03/12/12 to Norbury Ward, the intensive care area garden was found to be very messy and unkempt, with a torn mattress on the floor, elastic from two pairs of boxer shorts adorning some shrubbery, and a lot of rubbish in corners of the garden and outside patient’s rooms, which had been thrown out of their room windows.

On the second visit to Norbury Ward on 10/12/12, the security checks were being done regularly, but the intensive care area garden was still messy, although the mattress had been removed. This is of note because the Independent team was told that mattresses often get destroyed and on one occasion, ...

Despite repairs to the supervised confinement rooms on Norbury Ward, following the first planned visit on 03/12/12, more hazards were found during the first impromptu visit on 10/12/12, ...

During the third visit to Norbury Ward on 15/01/13, which occurred when bed numbers on Norbury Ward were increased from 13 to 15, led the Independent team to look more closely at the Norbury Ward Operational Policy. In addition, the Independent team was notified that the ward had ..., but that it was never used.

Two impromptu visits to Spring Ward were made on 10/12/12 and 28/01/13.

The first visit examined the exact location where the incidents on the night of the 1st October 2012 had taken place.

The second visit examined ... The Independent team observed two nurses in this area providing observation for ...

Comment: In the course of five visits, the Independent team found on three occasions, at best perfunctory attitudes and practice towards physical, procedural and relational security.

VII. The Team

The importance of shared understanding and mutual respect between patients and staff is vital in the maintenance of relational security, as advocated in See Think Act.

This Independent Investigation has identified that despite very laudable operational policies, there is not a shared and common understanding between members of the Norbury team. Central to this is
the lack of respect which some staff had for some members of the Nobury team and the lack of support from senior management perceived by some staff.

An earlier series of related incidents in [redacted], referred to at times as [redacted], resulted in a number of staff being suspended and disciplinary action being taken against them. This incident is cited by many of the staff who were interviewed as part of this Independent Investigation, to have adversely affected staff morale. Although there have been some staff changes since [redacted] there is a lasting and pervasive legacy which undermines team cohesion.

VIII. Boundary setting

Boundaries can be physical (such as room and ward design or the perimeter of the secure unit), procedural (such as operational polices) or relational (such as professional and personal rules). Relational boundaries underpin safe and effective therapeutic care with patients.

Having an agreed set of non-negotiable boundaries is paramount, although such boundaries need to be an integral part of the therapeutic approach. During visits to Norbury Ward and through the focused review of the care and treatment of [redacted], it was evident that boundary setting was not always fully understood and not always applied within the context of See Think Act.

Some of the evidence associated with this Independent Investigation demonstrates that there are times when control of the shift passes from the nursing team to some of the most challenging patients, rendering the clinical environment to a level of suboptimal safety.

IX. Therapy (therapeutic relationship)

It is important to recognise the impact of change in circumstances which effect how people feel. Although the Independent team found one example of a one-to-one session with one patient with reference to their move from Norbury to Spring Ward, this was not consistently the case across the cohort of patients considered as part of this investigation.

X. Patient Mix

Norbury Ward requires their patient mix to be fully appreciated at all levels in the service and subjected to continual impact and risk assessment.

The Independent team acknowledge that the very nature of Norbury ward means that patient mix is a continual challenge and something which requires robust clinical and managerial leadership to secure, as far as is possible, a clinical environment which is within the competency of staff allocated to work on this ward across all shifts, including nights and at weekends.

There is no documentary evidence to demonstrate that in the period leading up to Norbury patients moving to Spring Ward that patient mix was adequately assessed, either at ward level, Pathways or by the Senior Management Team.

Although there is a weekly Pathways meeting, usually [redacted], the record of such meetings is produced in such a way that concerns with regard to patient mix are not identifiable. For this reason, and from what some staff have said
about Pathways meetings, the Independent team is concerned that the clinical implications of decision making, both admissions and internal transfers, is not given a consistent level of priority.

XII. Patient Dynamic

See Think Act captures the very essence of why patient dynamics are a critical feature in safe and effective service provision: ‘The mix of patients and the dynamic that exists between them has a fundamental effect on our ability to provide safe and effective services – the whole group can be affected by the arrival or departure of just one patient’.

There were known dynamics between named patients, for example, there is no documentary evidence that patient dynamics were fully assessed in preparation for.

XII. Physical environment

The physical environment on Norbury Ward is such that This could be easily rectified.

Internal investigations have raised concerns about ward design but to date a definitive course of action has not been agreed.

13. Liaison with Emergency Services

I. The Metropolitan Police

The Trust has a policy for working in partnership with the Metropolitan Police. They put in place the Bronze, Silver and Gold command structure. The Trust’s Lock Down procedure makes provision for this also. Although invoked, the policy was not fully adhered to. If it had been, then roles would have been assigned accordingly, thus providing a framework for working in partnership with the police on the night of 1st October 2012.
As soon as it became clear that — defined as riot in the Major Incident Protocol - it would have been permissible for the Lock Down policy to have been invoked. If this had happened sooner rather than later, it would have aided liaison with the Police from the time of first arrival.

During the timeframe of the first incident (2200 to 0230), three other levels of Trust managers were involved on-site at varying times, In addition were informed of events; the latter came on-site.

The police expressed concern that despite numerous requests on their part to ascertain key information about the patients involved in the disturbance, there was no member of staff on duty who could provide a list of names or any sort of risk assessment, other than to inform them that.

There is evidence of liaison between Trust staff and the police, although the documentary evidence is variable. As has been mentioned earlier in this report, each ward in RH has ‘grab packs’ which contain vital key information and this material is available on the hard drive and could have been accessed from.

There was a two hour period after the arrival of the and entering the main part of Spring Ward. During this period the police were engaged in risk assessments and tactical planning.

The following factors contributed to this delay to a greater or lesser extent:

- Hoax telephone calls made by to the police from the patients’ telephone.
- A call made out of frustration.
- Delays in the police being able to access key information from RH.

The police also expressed concern that staff on the night of 1st October, were unaware of any contingency plan, other than to call the police in such a situation. The number of occasions on which police get called to assist staff is considerable.
It was not the remit of this investigation to examine the response of the Metropolitan Police to either of the two incidents, other than to say that very significant resources were deployed.

There are lessons for both the Trust and the police arising from these and other incidents at RH with regard to incident management protocols, command structures, accurate incident log recording and site management,  

II. The London Ambulance Service

The LAS arrived promptly and made appropriate interventions when staff were rescued from Norbury Ward and brought to the RH Reception. The absence of a single incident log makes it difficult to examine the degree to which the LAS played an integral part in the overall management of incident 1.

III. The London Fire Brigade

The LFB arrived promptly and made appropriate interventions to assure themselves that the situation was safe from their perspective. The absence of a single incident log makes it difficult to examine the degree to which the LFB played an integral part in the overall management of incident 1.

14. Management of the incidents on the night of 1st October 2012

This has already been commented on throughout the report. Very considerable resources were consumed both on the part of the Trust and the emergency services, especially the Metropolitan Police.

Whilst the management on-call arrangements were successfully and appropriately initiated, the on-call arrangements, were not due to the wrong rota being in place as the previous month’s rota for September 2012 had not been printed off - albeit this was available on the hard drive.

When another Consultant was telephoned, he offered his assistance but was informed that he had only been contacted to inform him of the situation. Given the severity of the situation it would have been appropriate to telephone  

15. Actions taken following the incidents.

Several timely debriefing sessions were held (some with the night staff before they went off duty) for staff involved in the incidents during the night of 1st October 2012. Some of the staff, when interviewed, were unclear about what they had been offered.
Norbury staff and members of the Rapid Response team met with xxxxxxxxxxxxxxxxxxxxxxxxx before they went off duty.

The Trust provides access to an optional and confidential counselling service for staff exposed to traumatising situations. Staff who reported to being traumatised were advised to take time off from work to recover.

There was significant service disruption from 02/10/12. Norbury Ward, in particular, faced difficulty in covering shifts. This was exacerbated further by other bank staff cancelling shifts.

xxxxxxxxxxxxxxxxxxxxxxxxxxxx met with Norbury patients to discuss what had taken place and to review patient mix. These contacts are not recorded on ePJS.

On the morning of the 02/10/12, xxxxxxxxxxxxxxxxxxxxxxxxxxxxx held an emergency crisis meeting at midday to take stock of the incidents, to recommend immediate actions to prevent recurrence, to support staff on duty and to consider measures to consolidate physical and relational security.

A diagnostic report was requested with regard to Ascom on the night of 1st October 2012.

A review of all emergency systems within RH was completed by the RH Maintenance Team and the findings reported to xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx on 02/10/12.

Comprehensive perimeter checks were undertaken by the security team on 02/10/12.

The medical on-call rota was re-established for the month of October 2012 for the BRH site and River House.

Although statements were requested from staff involved in the incidents on the night of 1st October 2012, the Independent team found that statements had not been secured from xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
A review of Ascom was initiated, following a facilitated meeting by the Independent team.

16. Consideration of content and findings of parallel reviews commissioned by the Trust

The Independent Team requested the content and findings of any parallel reviews. The Independent team has faced considerable difficulties in gathering some of this information but the following has been reviewed:

Findings:

It requires capital investment to underpin substantive redesign, reprovision and clinical evaluation, along with other appropriate therapeutic options.

The action plans produced by BDP CAG to reduce risk and improve patient safety in the medium secure services are thoughtfull, comprehensive and wide ranging. Benefit realisation requires robust managerial oversight, tight project management, clinical leadership and staff engagement.

The action plans cover:

- Remodelling of Pathways.
- Strengthening clinical leadership and safety audit.
- Environmental Changes.
- Workforce development.
- Policy review and developments.
What the actions plans do not address is leadership and management culture which supports clinical staff to do their best work, and high levels of engagement from medical and other professions in the process of management. The current management arrangements for the CAG, as examined through this Independent investigation, indicate that they require reappraisal in terms of management costs, processes, job-design and leadership style.

The recent review of Norbury Ward’s function and its relationship to other wards within RH, whilst welcomed by the Independent team, 

The action plan and the Ascom Protocol/Guidelines dated 31/03/13, which are to be considered by the BDP CAG Policy Committee in April 2013. It is noted that further focus groups with staff are to be held during 2013. Embedding the action plan to optimal effect requires cultural shift in the perceptions, attitudes and behaviour of staff, underpinned by relational competency testing of all staff, including NHSP staff.

The Action plan following the CQC visits makes provision for addressing some of the environmental issues on Norbury Ward. During the visit to Norbury Ward on 14/02/13, the CQC found:

- The communal areas were not kept in good order.
- There was an absence of posters and pictures and other attempts to make the ward environment welcoming and therapeutic.
- There were signs of broken furniture.
- Poor standard of cleanliness of the environment.
- Evidence of daily assessments of patient behaviours and presenting risks.
- Evidence that care planning arrangements were in place and that patient’s needs were assessed and that care and treatment was planned and delivered in line with their individual care plans.
- Evidence that specific risk assessments and associated care plans relating to violence and aggression were in place, based on known risk to others, including interventions used to minimise risk of aggressive behaviour, such as staff support and changes to medication.

The CQC report concludes that the provider (The Trust) met the required standards for registration.

Operation Metallah, whilst not directly commissioned as a result of events on the night of 1st October 2012, has been influenced by it.

This joint work culminating in an agreed protocol is planned to go live
Calls received by Metcall, who are the operators for all police 999 calls in London, relating to the Bethlem site will be brought to the attention of who will depending on which ward the call relates to, so that staff concerned will be able to give an accurate description of the incident and whether police attendance/assistance is required.

There will be no delay in response from the police, as the duty officer will still deploy a vehicle to the hospital which will remain at the designated bays on site awaiting further instruction. This will allow the officers to have a named designated person to engage with and jointly plan any interventions.

It is envisaged that Operation Metallah will ultimately lead to improved planning, discussions, greater development of exit strategies for all concerned and positive joint working with the police. Operation Metallah is scheduled to go live on 20/04/13.

**Exercise Hard Times** (EHT). The Independent team was also made aware of a large scale table-top exercise.

The report emphasises the absolute reliance of RH on a secure and fully functional Reception, through which to manage the local response to a serious incident, should the communications Systems and equipment within RH fail.

There were a lot of recommendations and points to consider from the EHT report and it has taken some time to agree how they would all be taken forward.

Some of the more obviously 'pressing' planning issues are being addressed. Although nobody disputes the importance of a 'plan B' for RH Reception, formal consideration of options through which to achieve this have not as yet materialised.
17. Examples of Good and Commendable Practice

Throughout the investigation, examples of good and commendable practice have been identified, including:

- Documented nursing handovers on Norbury Ward, making it possible for staff unable to attend handovers to subsequently access such content and for others to use the content for auditing purposes.

- Seven day per week activity programme (albeit suspended on departure of occupational therapy staff).

- The weekly family clinic.

- The excellent contribution to the clinical record provided by [redacted].

- Well-crafted policies.

- Evidence of some excellent HCR20s.

- Evidence of some care plans being translated into practice.

- The level of on-call and other managerial response given on the night of 1st October 2012 is commendable.

- The willingness of the service to listen and respond to feedback given by the Independent team.

- The emergency services responded promptly and significant resources were deployed, particularly by the Metropolitan Police during the night of 1st October 2012.

- On-going Joint liaison work with Bromley Metropolitan Police.

In the BDP CAG response to the Independent Team’s Draft Report the following areas (transcribed directly) were cited as additional example of good practice:

- **Leadership:** Establishment of 5 separate service lines with identified clinical leaders and managerial support. Our aim was to devolve leadership beyond the traditional roles of Service Director and Clinical Director. In this respect we have invested more in developing a cadre of multidisciplinary clinical leaders within the CAG.

- **Staff Development:** In 2011 the CAG embarked on an ambitious Leadership Development Programme for at least 110 Band 6 and Band 7 clinical staff.

- **Staff Engagement:** We have had an active programme of roadshows across all our service areas, with CAG directors directly engaging with staff on a range of issues from lessons learnt from incidents, to quality priorities, service strategy and development to patient experience. The CAG scored highly in the most recent Picker Institute report (2013) on staff engagement and staff reporting they were listened to and felt able to influence decisions.
- **Staff and Patient Safety:** In the past year we have held a series of workshops with ward managers, consultants, clinical staff and members of the SMT and CAG Executive, to explore creative MDT solutions to managing and reducing the level of violence and incidents on our wards. These have included examining the evidence base from research, good practice and preventative strategies.

- **Improving Clinical Practice:** As a result of the incidents in Norbury in October, a clinical practice and patient safety group was established in January 2013. The group is jointly led by [Redacted]. The purpose of this group is to analyse patient groups and evaluate current workforce capability and interventions to improve clinical safety, quality and productivity. It will also support the integration of cultures that drive values, positive attitudes, work ethics and relationship between and within teams. The CAG is expecting to receive recommendations and implement the findings of the group in September 2013.

- **Clinical Pathways Re-Modelling:** We have two current work streams that are reviewing the configuration of our service lines and the organisation of our wards (with a view to redistributing new admissions across more than one ward and review the PICU and admission roles of Norbury).

- **Unit Coordination:** All Band 6 staff are being retrained and inducted to provide the role of unit coordinator. Other experienced Band 5 nurses will be trained and inducted to provide back up cover in future. The two tier unit coordination cover will be implemented from June when our cohort of experienced nurses have been trained and inducted to take on the role.

Some of the above pre-date the incident under investigation and others post-date it. With reference to the items which pre-date the incident, the Independent Team could find little evidence of effective implementation in the Norbury ward environment or the other domains that the Team examined.

**18. Summary of Findings**

This Independent investigation raises a number of factors highlighted in the Francis Inquiry (Final Report February 2013) with specific reference to:

- A lack of impact assessment.
- Staff disengagement from the process of management.
- Leadership.

In addition, seven out of the twelve factors cited in the Contributory Factor Taxonomy (National Patient Safety Agency, Root cause analysis – 2004) feature generally in this investigation, namely: patient factors, individual factors, task factors, communication factors, team and social factors, working condition factors and organisational and management factors.
Recurrent factors, previously identified as areas of concern by internal investigations carried out by the Trust and cited in an Organisation with a Memory (Department of Health, June 2000), are also relevant to this investigation, namely:

- Institutional context.
- Organisational and management factors.
- Work environment.
- Team factors.
- Individual (staff) factors.
- Task factors.
- Patient characteristics.

**Institutional context**

RH is the successor service of several medium secure services, all of which had their own discrete organisational and service cultures. The historical culture associated with working in secure settings, where financial incentive has played its part in attracting some staff, has meant that the commitment required to deliver therapeutic and safe services has made it important to employ additional care in the selection of staff.

Arguably, attitudes towards mental illness can differ considerably. Whilst this may be addressed during pre and post registration training, one’s own cultural background and belief systems can remain a strong influence over attitudes and behaviour, whereby people with mental illness may not be considered to be amenable to treatment.

Junior staff challenged by complex situations, such as the one’s which present on Norbury Ward, require strong clinical leadership and supervision, so that they can do their best work.

A series of incidents on Norbury over the last few years has had a marked effect on how Norbury Ward is perceived, which at times has led to a significant reliance on NHSP staff filling gaps in the rota.

The Independent team has been told that NHSP staff are sometimes advised not to work on Norbury because it is too dangerous.

The option of nursing staff working long days on Norbury Ward is incrementally being withdrawn.

The reliance on Bromley Metropolitan Police over time has grown, insofar as there has been an increase in the number of incidents which require police assistance in terms of incident management, criminal investigation and the management of RH as a place of safety.
RH operates almost entirely in isolation from the remainder of the BRH site and the wider Trust. When attempts to engage with the services at RH have been made this has generally been met with resistance, according to some of the staff who have been interviewed as part of this investigation. It is essential that RH operates as an integral part of the BRH site and the wider Trust.

Organisational and management factors

Since RH opened in 2008, there has been an increase in management costs, as new posts have been established. This directly affected the unit cost per bed which was offset by an increase in bed numbers on Norbury Ward and other wards, placing additional demands on clinical staff.

The Independent team has been informed that when have raised concerns about the risks posed by admissions, transfers or patient mix, that it is not fully acknowledged in a consistent and effective manner. The Independent team received documentary evidence of this but did so too lately and in an uncorroborated way to be able to utilise it in this report.

Arguably, income generation took a great priority at this point in time. However, this could have been an unintended outcome and an issue which did not fully risk assess when implementing changes in service.

A weekly Pathways meeting, previously known as the Lambeth Pathways Group when it was first established in February 2008, changed its remit to become the Trust MSU Pathways Group in April 2009. Protocols were set out in an interface arrangement document, and in 2011, Referrals, Assessments and Admissions protocols were developed. The Terms of reference for the Lambeth Pathways Group was not reviewed when the protocol was reviewed in 2009.

In 2011, when came into post, was asked to review the ToR for the Pathways meeting. reviewed this by changing titles of post holders in the original document. Another change to the document was that attendance at the pathways meeting was made compulsory for some key persons.

The Independent team examined the minutes of the Pathways Meetings for the month of September 2012 to determine the degree to which clinical risks, associated with ward moves, were considered. This revealed that, although attendance is stated to be compulsory for some members, attendance was significantly below the required standard.
The Independent team consider the way in which Pathways currently functions to be a systemic problem, as opposed to individual failure. The Pathways Group consider all ward admissions and transfers and in so doing and by implication, has a duty of care with regard to risk.

The Pathways Group requires robust leadership skills so that its governance role in the context of patient safety can be effectively carried out.

Individual patient risk assessments, specifically in the context of ward moves, were a stated requirement in the project plan and referred to in ‘Decant meetings’.

There is no documentary evidence that the move from Norbury Ward to Spring Ward was fully risk assessed, with specific reference to the availability of [ ] or the known behaviours of named patients and their associated risk behaviours [ ], even though this was clearly stated within the Project Plan, which specified that ‘all patients require decant care plans to manage risk’. Furthermore, had communicated this to be a requirement at a weekly ‘Decant’ meeting, and circulated a pro forma to [ ] which stipulated what was required.

Norbury Ward which had access to [ ] moved to Spring Ward which provided only one [ ]. There is no documentary evidence that any contingency planning occurred.

[ ] had also recognised and communicated that during the period of ward moves that there may be a requirement for special measures, including the use of the independent sector. However, there is no evidence that this was actively pursued at any level.
described the period prior to the move as being busy, 

There was no senior member of the Norbury clinical team on-duty over the week-end when Norbury patients moved to Spring Ward.

Drawing all of the above together, a picture emerges of a medium secure service that is not on top of its physical, procedural and relational security requirements.

The Senior Management Team whilst referring to the use of incident trend analysis, learning from incidents, patient and staff survey feedback as a means to improve the service delivery and quality, seem unable to translate this into action.

Work Environment

The work environment on Norbury Ward suffers from poor design and ongoing remedial works are required to rectify this; including the frequent damage to SC rooms.

The level of industrial injuries caused by a small number of serial assailants results in significant staff absence. The Independent team enquired about PSTS statistics for RH and Norbury Ward, to ascertain the number of staff who were signed off as being unable to carry out PSTS.

The ward design does not adequately make provision for its PICU function.

When decommissioned, in order to increase bed numbers from 13 to 15, this removed an important clinical management option, without due consideration of an alternative.
Staff rest room facilities are poor and the acoustic is such that the degree to which everything echoes adversely affects the therapeutic environment.

**Team Factors**

The multidisciplinary team on Norbury Ward has been adversely affected by not having sufficient medical colleagues to meet the demands and complex challenges.

Decisions regarding admission and transfers at the time were not being consistently risk assessed, leaving nurses in particular to face the consequences. Departures of some members of the multidisciplinary team placed additional burden on the team and on the ability of nurses to cope, especially

There is a culture of fear amongst some members of the Norbury nursing team which prevents them from partaking in specific security measures, for fear that this will lead to attack from the patients or accusations of overly-assertive practice with resultant disciplinary proceedings.

Patient acuity and case-mix are cited by staff as factors which challenge them and at times, undermine their confidence and competence. The attributed anxiety gives rise to defence mechanisms coming into play, whereby some staff distance themselves from patients to varying degrees.

The ward at the time was lacking in dynamism and was unable to provide a therapeutic environment that balanced physical, procedural and relational security hand-in-hand.

The decision to temporarily has seen a return on the investment, with notable improvements from clinical leadership.

**Individual (staff) factors**

There are known concerns that if some staff are on duty that their personal impact can have a negative effect.

**Patient Characteristics**

Although had devised a behavioural response (clinical management plan) with regard to, some of the nursing staff did not see it as being robust enough or clinically effective.
Patient consent to medication was not consistently adhered to. This, in addition to long periods of continuous SC, without being seen by a consultant psychiatrist, can adversely affect the therapeutic relationship and serve as antecedents to challenging behaviour.

19. Conclusions

There was a constellation of factors which, to a greater or lesser extent, played their part in some of the patients gaining control of the ward on two separate but linked occasions on the night of 1st October 2012, namely:

- Patient mix.
- Patient acuity.
- Disengaged staff from the process of management
- Sub-optimal senior clinical involvement in the planning process with reference to Norbury patients moving to Spring Ward, despite there being provision for this.
- Insufficient management oversight.
- Imperceptible clinical leadership.

Linked together, these factors represent systemic failure, which on the night of 1st October 2012, resulted in the destabilisation of the care environment which could have had catastrophic consequences.

Systems and safety culture are the root cause of the majority of incidents and no less so in relation to what took place on the night in question.

There was a departure from risk management protocols in fully assessing the risks of Norbury patients moving to Spring Ward and this too had a direct bearing on the night of the 1st October 2012.

Once the incidents took hold, there was impulsive and deliberate intention to harm on the part of the perpetrators, xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxxxxxxx. There is no evidence that either incident was premeditated.
The RH management and service culture appears to place less than optimal emphasis on standards of professional practice, practice development, clinical leadership, risk management and impact assessment, which creates anxiety and stress amongst some staff.

The appointment of [REDACTED] creates a fresh opportunity for transformational leadership of forensic services. The Independent team suggest there are three priorities:

I. A review of management costs and arrangements, including medical and other professional engagement in the management process, and investment in supporting and developing clinical practice.

II. A forensic service review which examines patient flow through RH, including: case-mix, triage, assessment and the management of patients who require forensic intensive care.

III. Development of an agreed protocol which specifies the core competencies and behaviours necessary for effective clinical leadership and multidisciplinary working at ward level, for which [REDACTED] have accountability to deliver.

Arguably, if clinical leadership and managerial oversight at every level had been stronger in the preceding months, this would have reduced the likelihood of occurrence of the incidents which have been subjected to examination by the Independent Team.

The GMC published guidance for all doctors in January 2012 in leadership and management. In that guidance it is written (and the Independent Team cannot improve on this) that being a good doctor means more than simply being a good clinician. In their day-to-day role doctors can provide leadership to their colleagues and vision for the organisations in which they work and for the profession as a whole. However, unless doctors are willing to contribute to improving the quality of services and to speak up when things are wrong, patient care is likely to suffer.

The Medical Leadership Competency Framework sets out a description of the competences in shared leadership for all doctors – www.institute.nhs.uk/medicalleadership.

A new report (April 2013) from the Health Services Management Centre at the University of Birmingham and the King’s Fund (“Are we there yet? Models of Medical leadership and their effectiveness: an Exploratory Study”) provides a comprehensive and up-to-date picture of the state of medical leadership in NHS trusts today. It states that the NHS must fill the vacuum in medical leadership in the health service by creating more desirable and attractive leadership roles for doctors. They found that several factors put off doctors taking on leadership positions, including a preference for clinical work, a lack of adequate training and support, an absence of defined career paths, and a culture in the NHS that failed to value and regard doctors who took on leadership roles.

The NHS Leadership Academy provides a Leadership Framework for all staff in health and care irrespective of discipline, role, function, or seniority and represents the standard for leadership behaviours that all staff should aspire to.
It is evident that the BDP CAG commits itself to thoughtful initiatives, as can be evidenced in the examples provided by the BDP CAG in section 17 of this Independent report. Furthermore, comprehensive action plans are generated as and when required.

Successful implementation of action plans aimed at securing maximum impact with regard to relational security, pathways, risk reduction, improving patients and staff safety, the physical environment and service delivery in its broadest sense, is crucially dependent on transformational leadership which engages all staff in the process of leadership and management, and in particular a collective medical responsibility for the forensic service as a whole.

20. Recommendations

20.1 The appointment of a new BDP CAG Service Director creates a fresh opportunity for transformational leadership in forensic services. The Independent team suggests there are three priorities:

20.1.1 A review of management costs, culture, and arrangements and of the medical and other professional input into the management and leadership processes. Consideration should be given to the potential for an increased amount of clinical input. To be completed by September 2013.

20.1.2 A forensic service review which examines patient flow through RH, including: case-mix, triage, assessment, recovery, and the management of patients who require forensic intensive care. This should be underpinned by clear and consistent clinical leadership in the decision-making process. To be completed by October 2013.

20.1.3 Development of an agreed protocol which specifies the core competencies and behaviours necessary for effective clinical leadership and multidisciplinary working at ward level for which RCs and Team Leaders have clear leadership accountabilities. To be completed by October 2013 (The NHS Leadership Academy provides a Clinical Leadership Competency Framework).

20.2 Comprehensive relational security competency testing for all current and new employees (including NHSP staff). All employees to be tested by March 2014.

20.3 Redesign Norbury Ward to create safe egress from the nursing station, removal of the moon-shaped structure, provision of a managed and restricted environment between the main airlock and the ward, provision of improved staff rest room facilities which incorporate a staff toilet, and the installation of acoustic noise-reducing panels. Plans to be agreed by October 2013.

20.4 If Norbury Ward is to continue to function as a PICU then the ICA should be reprovided.

20.5 Designation of a critical incident room. Immediate action.

20.6 Restrict access to pornographic TV channels. Immediate action.
20.7 Careful consideration should be given to the installation of patients’ ward telephones which have been manufactured or modified in such a way as to prevent emergency (999) calls being made.

20.8 The alarm buttons on the walls were compromised by the insertion of a matchstick leading to a continuous alarm sounding. If the alarm can be overridden (stopped) by staff, then a clear instruction package needs to be disseminated amongst staff to ensure that ward-based staff can cancel these alarms. If this is not possible then consideration should be given to the installation of new and tamper-proof alarm buttons.

20.9 Operation Metallah should be audited at quarterly intervals (from the date of implementation) with particular reference to communication flows and sharing of key clinical information so that risk assessment can be carried out promptly by the police.

20.10 The RC and Team Leader should be informed of riot or hostage taking situations which require police assistance, the on-site presence of an on-call manager and when the Bronze, Silver and Gold command structure is invoked, regardless of whether they are on-call or not. To be done with immediate effect.

20.11 The Ascom Protocol/Guidance dated 31/03/13, due for consideration by the BDP CAG Policy Committee, has the full support of the Independent team. Once approved, compliance should be reviewed within three months and subjected to further review at six monthly intervals.

20.12 Current access to substance misuse services at RH, regardless of which ward patients may be on, should be reviewed to ensure ease of access, when this is considered to be clinically appropriate by the RC. To be completed by October 2013.

20.13 Clinical teams at RH should have ease of access to a dual diagnosis practitioner, to ensure that they receive timely specialist advice, when patients with mental illness have present with substance misuse. To be completed by December 2013.

20.14 The Mental Health Act Office to develop a robust mechanism to ensure that RCs always and without fail maintain adequate Consent to Treatment practice. For immediate action and completion by October 2013.

20.15 There is a need to improve contemporaneous clinical record keeping by senior medical staff in particular. Consideration could be given to the design and implementation of an electronic system to monitor the frequency of multidisciplinary patient contact.

20.16 The practice of supervised confinement reviews by senior doctors requires attention. An audit designed to monitor compliance with the Supervised Confinement Policy should be commenced without delay and the results (and an appropriate action plan) shared with the Care Quality Commission.

20.17 The process for inpatient transfers to forensic services should be reviewed. A clearly agreed protocol for this purpose needs to be agreed and regularly monitored to assure:

20.17.1 Assessment of internally-referred patients by the intended receiving team takes place as a standard operating procedure.
20.17.2 HCR20 risk assessments are conducted by the referring team as a standard operating procedure.

20.17.3 A transfer form is completed as a standard operating procedure.

The current Forensic Inpatient Emergency Transfer protocol recommends the inclusion of a current and complete HCR20 at the time of patients transferring between wards. The Independent team found that transfers went ahead more often than not without transfer forms (i.e. clinical summaries) in place. It found also that HCR20s are not updated for this purpose and did not accompany transferring patients. For immediate action and completion by July 2013.

20.18 Although the Independent Team has been advised of the ‘priority status’ enjoyed by Norbury Ward in terms of SpR allocation, the RC for the ward gave a different account. If gaps in the allocation of an SpR (or SpRs) occur, when all reasonable steps have been taken to provide an SpR, an immediate impact assessment should be undertaken and documented by the Co-Clinical Director (Forensic Service), in conjunction with the Norbury Ward RC on each occasion. In addition suitable alternative medical cover arrangements should be put in place, and or reasonable adjustments to the clinical workload, to ameliorate the risks. For immediate action.
Appendix 1 - Independent Investigation - Terms of reference

An independent investigation has been commissioned because of the nature of the disturbances and their potential to result in more serious harm and disruption.

Chronology

The investigation team will begin their work by completing a chronology of the events to assist in the identification of strengths and good practice and care and service delivery problems.

Part one: Patient care and treatment

The investigation team will summarise and comment on the mental health history, care and treatment of the patients directly involved in the disturbance. This will be in the context of statutory obligations, relevant national guidance and local operational policies and make particular reference to:

- care planning;
- engagement and observation;
- assessment and management of risk; and
- Medication management.

Part two: Security management

The investigation team will:

- Summarise and comment on the systems in place to manage the procedural and relational security of River House. This will include internal communication and alarm systems and the security management of River House within the wider Bethlem Royal Hospital estate.

- Summarise and comment on the systems in place to manage the procedural and relational security of Norbury Ward. This will include reference to internal communication and alarm systems and the security management of Norbury Ward within the wider River House estate. Particular reference will be made to security management in the context of the:
  - Norbury Ward patient profile, patient flow and environmental indicators; and
  - Planning and contingency plans made in preparation for the recent temporary relocation of Norbury Ward.

- Review the extent to which the response and management of the disturbances adhered to the management systems outlined above. Particular reference will be made to the:
  - alerts and communication within River House; and
  - Alerts and communication to CAG management and senior Trust management with particular attention to escalation through the on-call system.
Part three: Liaison with the emergency services

The investigation team will:

• Summarise and comment on the interface between SLaM staff and the police in particular:
  o the initial alerts by SLaM staff made to the police;
  o briefing by SLaM to the police upon their arrival;
  o communication pathways between command and control staff, the police and the SLaM staff involved in the incident; and
  o the timings of the interventions that followed.

• Summarise and comment on the interface between SLaM staff and the London Ambulance Service.

• Summarise and comment on the interface between SLaM staff and the London Fire Service.

Part four: Post incident actions

• Summarise and comment on the management of the patients immediately after the disturbances were contained.

• Summarise and comment on the support offered and provided to those staff and patients who were involved in the disturbances.

• Summarise and comment on any issues relating to crime scene preservation.

The investigation team will also consider the content and findings of any parallel reviews which have been commissioned.

The investigation team will complete and submit a written report. The report will fully assist further scrutiny of the events preceding and immediately following the disturbances.

The report will also:

• Identify strengths and good practice.

• Identify any care, security and service delivery problems and locate the underlying causes of these.

• Make SMART recommendations which can be used by the Behavioural and Developmental Psychiatry CAG to improve and develop services and reduce the risk of recurrence of similar incidents. Where appropriate the investigation team will also identify those recommendations which should be shared with other trust services to assist in service development.
Appendix 2 Trust-wide, Behavioural and developmental Clinical Academic Group and Forensic Medium Secure Services Policies and Procedures

Trust-wide

1. Incident Policy (September 2011)
2. Investigation of Incidents, Claims & Complaints (September 2011)
3. Promoting Safe & Therapeutic Services – Preventing and Managing Violence and Aggression (September 2011)
4. Safeguarding Adults (September 2008)
5. Secure environments Policy (September 2011)
6. Draft CPA Policy 2012 under review
7. Engagement & Observation policy (September 2011)
8. Clinical Risk Assessment & Management of Harm (October 2011)
9. Learning & Embedding Lessons arising from Incidents, Claims & Complaints (September 2011)
10. Supporting staff involved in Incidents, Complaints & Claims (September 2011)
12. Safety Induction for Contractors working on Trust Premises (May 2012)
13. Staff Supervision Policy (October 2011)

Forensic Medium Secure Services

1. River House Operational Policy (undated)
2. Norbury Ward Operational Policy (undated, but review dated stated as December 2012)
3. Alarm Testing procedure (April 2012)
4. Anti-Barricade Doors (January 2012)
5. ASCOM Induction Package (undated)
6. Daily Perimeter Checks Protocol (June 2012)
7. Emergency Response (October 2011)
8. Environmental Checks Procedure (August 2012)
9. Lock Down Procedure (May 2012)
10. Major Incident Protocol and Appendix (February 2012)
12. Role of the Ward Based Security Nurse (October 2011)
13. Zoning Guidelines (June 2012)
15. Police Liaison Protocol BRH (September 2000)
16. Forensic Emergency Assessment Form (July 2011)- Late evidence
17. Norbury Brief operational outline & internal transfer protocol (Undated) – Late evidence
Appendix 3 – List of evidence considered

<table>
<thead>
<tr>
<th>Evidence Item 1</th>
<th>Evidence Item 2</th>
<th>Evidence Item 3</th>
<th>Evidence Item 4</th>
<th>Evidence Item 5</th>
<th>Evidence Item 6</th>
<th>Evidence Item 7</th>
<th>Evidence Item 8</th>
<th>Evidence Item 9</th>
<th>Evidence Item 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evidence Item 11</td>
<td>Evidence Item 12</td>
<td>Evidence Item 13</td>
<td>Evidence Item 14</td>
<td>Evidence Item 15</td>
<td>Evidence Item 16</td>
<td>Evidence Item 17</td>
<td>Evidence Item 18</td>
<td>Evidence Item 19</td>
<td>Evidence Item 20</td>
</tr>
<tr>
<td>Evidence Item 31</td>
<td>Evidence Item 32</td>
<td>Evidence Item 33</td>
<td>Evidence Item 34</td>
<td>Evidence Item 35</td>
<td>Evidence Item 36</td>
<td>Evidence Item 37</td>
<td>Evidence Item 38</td>
<td>Evidence Item 39</td>
<td>Evidence Item 40</td>
</tr>
<tr>
<td>Evidence Item 41</td>
<td>Evidence Item 42</td>
<td>Evidence Item 43</td>
<td>Evidence Item 44</td>
<td>Evidence Item 45</td>
<td>Evidence Item 46</td>
<td>Evidence Item 47</td>
<td>Evidence Item 48</td>
<td>Evidence Item 49</td>
<td>Evidence Item 50</td>
</tr>
<tr>
<td>Evidence Item 51</td>
<td>Evidence Item 52</td>
<td>Evidence Item 53</td>
<td>Evidence Item 54</td>
<td>Evidence Item 55</td>
<td>Evidence Item 56</td>
<td>Evidence Item 57</td>
<td>Evidence Item 58</td>
<td>Evidence Item 59</td>
<td>Evidence Item 60</td>
</tr>
<tr>
<td>Evidence Item 61</td>
<td>Evidence Item 62</td>
<td>Evidence Item 63</td>
<td>Evidence Item 64</td>
<td>Evidence Item 65</td>
<td>Evidence Item 66</td>
<td>Evidence Item 67</td>
<td>Evidence Item 68</td>
<td>Evidence Item 69</td>
<td>Evidence Item 70</td>
</tr>
<tr>
<td>Evidence Item 71</td>
<td>Evidence Item 72</td>
<td>Evidence Item 73</td>
<td>Evidence Item 74</td>
<td>Evidence Item 75</td>
<td>Evidence Item 76</td>
<td>Evidence Item 77</td>
<td>Evidence Item 78</td>
<td>Evidence Item 79</td>
<td>Evidence Item 80</td>
</tr>
<tr>
<td>Evidence Item 81</td>
<td>Evidence Item 82</td>
<td>Evidence Item 83</td>
<td>Evidence Item 84</td>
<td>Evidence Item 85</td>
<td>Evidence Item 86</td>
<td>Evidence Item 87</td>
<td>Evidence Item 88</td>
<td>Evidence Item 89</td>
<td>Evidence Item 90</td>
</tr>
<tr>
<td>Evidence Item 91</td>
<td>Evidence Item 92</td>
<td>Evidence Item 93</td>
<td>Evidence Item 94</td>
<td>Evidence Item 95</td>
<td>Evidence Item 96</td>
<td>Evidence Item 97</td>
<td>Evidence Item 98</td>
<td>Evidence Item 99</td>
<td>Evidence Item 100</td>
</tr>
</tbody>
</table>

Please note that the table is truncated for brevity, and the full list of evidence considered is provided in the document.
Appendix 4 – Acronyms, abbreviations and terms

ASCOM - Tailor made integrated mission critical wireless communication system

BDI - Beck Depression Inventory

BDP - Behavioural & Developmental Psychiatry

BRH - Bethlem Royal Hospital

CAD - Computer aided dispatch – designated incident number, allocated by emergency services

CAG - Clinical Academic Group

CCC - Central control room (Metropolitan Police)

CT - Post registration core trainee doctor

Datix - Incident & adverse events software reporting system

DHU - Denis Hill Unit

ECT - Electric convulsive therapy

ePJS - Electronic Patient Journey System

ETL - Emergency Team Leader

GMC – General Medical Council

Grab Packs – Packs held on each ward containing vital information in the event of incidents

HCA - Healthcare Assistant

HCR 20 – An assessment tool used by mental health professionals to estimate probability of violence

ICA - Intensive Care Area

NIC - Nurse in charge

NHSP - National Health Service Professionals

NMC - Nursing Midwifery Council

Pathways - Weekly meeting to discuss admissions, internal transfers and waiting lists

PEDIC - Patient experience data information

PRN - Pro re nata – medication given as circumstances arise, when needed

PSTS - Promoting safe & therapeutic services