

THE STATE HOSPITALS BOARD FOR SCOTLAND

**ANNUAL REPORT**

***Research Committee and Research Funding Committee***

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## 1 Core purpose of Committee

Within the NHS, it has been shown that research not only furthers knowledge but improves staff morale, recruitment and retention, and patient care. Research is therefore core to the business of The State Hospital and to our pursuit of evidence based practice. The skills obtained by those engaged in research are directly transferable to other areas of health care such as service planning, teaching and management. The State Hospital has shown a considerable commitment to research and has a proven track record.

The research committee aims to support the use of data and research evidence as part of an evidence based culture aimed at improving both patient care and the patient experience of care, though a focus on continuously improving practice. The ongoing development of an evidence based culture will be achieved through a focus on training, developing staff competencies in transferable research skills and increasing research capacity.

## 2 Current Resource Commitment

<b>Allocation per Financial plan</b>	<b>2021/22</b>
<b>Recurring Funding</b>	<b>95,000</b>

<b>Research Grants Committed</b>	<b>2021/22</b>
Management of Violence and Aggression study	<b>23,209</b>
TRACE	<b>2,124</b>
Newly Qualified Clinicians study	<b>7,612</b>
Recovery Research in Action	<b>37,059</b>
<b>TOTAL</b>	<b>70,004</b>

<b>Funds remaining to be allocated</b>	<b>24,996</b>
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<b>Research Grants Spent - to date</b>	<b>2021/22</b>
<b>Major</b>	
Management of Violence and Aggression study	<b>23,209</b>
TRACE	<b>3,126</b>
Newly Qualified Clinicians study	<b>7,612</b>
Recovery Research in Action	<b>37,035</b>
<b>TOTAL</b>	<b>70,982</b>

<b>Funds available less spend: Under / (over spend)</b>	<b>24,018</b>
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## 3 Summary of Core Activity for the last 12 months

### 3.1 Forensic Network Research Special Interest Group Conference 2021

The Forensic Network Research Special Interest group (FNRSIG) held our Eighth national Forensic Network Research Conference on the 4<sup>th</sup> of November 2021. As was the case in 2020 the conference was provided using a remote online format through MS Teams due to the restrictions in place, and was subsequently reduced from a full day to a half day.

The morning was chaired by Dr Daniel Bennett, current chair of the FNRSIG, and featured a keynote speech from **Professor Pamela J Taylor CBE**, Professor of Forensic Psychiatry, School of Medicine, Cardiff University & **Donald Findlater**, Director, Stop It Now! Helpline, Lucy

Faithfull Foundation. The keynote presentation was titled; **‘Preventing child sexual abuse: the Stop it Now! helpline in practice’**.

This national conference included significant contribution from State Hospital staff displaying work conducted within the hospital including:

Key outcomes following a process evaluation to determine the barriers and facilitators to implementation of a cognitive behavioural therapy for psychosis treatment programme in a high secure setting. **Dr Patricia Cawthorne**

Examining the Validity of the CORE-OM as a Measure of Distress in a Forensic Population with Severe and Enduring Mental Illness. **Dr Maxine MacDonald**

An exploration of the management of significant violence and aggression in high and medium secure forensic psychiatric hospitals in Scotland and Northern Ireland. **Lindsay Tulloch & Rebecca Carr**

An analysis of consecutive referrals to Scotland’s State Hospital over a 1-year period: predictors of admission to high-security care. **Dr Lindsey Gilling McIntosh**

A fortnightly multi-disciplinary Reflective Practice Group for Mull 1 – a review on the first 6 months and plans for the future. **Dr Adam Polnay & Kim McLelland**

Evaluation of a Workshop ‘Essential Relational Aspects of Care’ for clinicians in a high secure setting. **Dr Adam Polnay**

An evaluation of the impact of measures adopted to promote positive staff health and wellbeing during the COVID-19 outbreak. Results and Recommendations. **Dr Amelia Cooper & Dr Patricia Cawthorne**

“Nothing about us without us”: engaging high secure patients as research collaborators. **Cheryl Rees**

The Facilitators and Barriers to Providing Physical Healthcare in a High-Secure Forensic Setting: A Framework Analysis Using the Theoretical Domains Framework and COM-B model. **Kimberley Walker**

The conference received excellent feedback from delegates in relation to both content and the online format that made the conference possible during a global pandemic. The 2022 FNRSIG Research Conference is scheduled to take place on the 3<sup>rd</sup> of November 2022, and is aiming to revert to a face-to-face format.

### **3.2 Priority Research Themes**

This section provides details of the priority areas for research identified within the Research Portfolio Workshop, which took place on the 29<sup>th</sup> of April 2021. The priority areas for research as identified below will feed into the process of developing a new updated Research Strategy for 2022-2025. Future annual reports will provide details of the activity related to these specific areas of research.

**Table 3.1: Priority Research Themes**

<b>Priority Research Theme as identified in Research Portfolio Workshop 2021</b>
Staff Wellbeing
Intellectual Disability
Neuro Developmental Disorder
Impact of Research on Clinical Practice
Links to Realistic Medicine

### 3.3 Research Study Implementation.

A number of studies have made varying contributions to the ongoing development and improvement of practice.

Examples:

**Dr Patricia Cawthorne, Dr Amelia Cooper;** An evaluation of the impact of measures adopted to promote positive staff health and wellbeing during the COVID-19 outbreak.

The Staff Health and Wellbeing survey (Part 2) has continued to inform TSH's ongoing response to the COVID-19 pandemic and staff wellbeing in general. The survey has provided detailed and consistent data and staff feedback to support the ongoing development of the permanent staff wellbeing centre, and the wide range of wellbeing support that has been made available to State Hospital staff.

**Dr Lindsey McIntosh and Professor Lindsay Thomson;** A feasibility randomised controlled trial (fRCT) of the On the Road to Recovery program.

Data from this project has been used to inform work on the future of psychological therapies in forensic services in Scotland. This work has been hosted by the Forensic Network, with significant input from Dr McIntosh and Professor Thomson.

**Dr Adam Polnay and Dr Helen Walker;** The Relational Aspects of CarE scale (TRACE).

The TRACE study was focused on the development of a tool to allow forensic wards and services to assess their current level of reflection about interpersonal dynamics. The TRACE self report tool was developed and validated as part of this work. In order to support forensic services the TRACE tool has been made available free of charge to all interested parties and sits on the State Hospital website with further instructions for use. A number of queries have been made from external parties about introducing the TRACE tool into practice.

## 4. Performance against Key Performance Indicators

Number of study proposal reviews:	12 (8 new studies)
Number of study progress reports:	10
Number of study final reports:	8
Number of studies approved:	8
Number of peer reviewed publications:	12
Number of ongoing studies:	15

The figures given above comprise the key performance indicators as required within the Clinical Governance annual report. They give an indication of the level of research activity monitored by the Research Committee. Appendix 1 provides further details on the range of studies completed and the way in which the TSH research activity has been disseminated on a local, national and international basis.

Please see Section 7.1 of this report, which highlights the way in which a range of research studies have directly influenced practice both within the State Hospital and across the wider Forensic Managed Care Network.

The key performance indicators outlined within the table below have largely remained consistent with the performance of the committee over recent years when considering the reduced number of Research Committee meetings that took place within the previous 2020/21 period.

**Table 4.1: Annual KPI Performance**

KPI	2020/21	2021/22
Number of study proposal reviews	15	12
Number of study progress reports	7	10
Number of studies approved	7	8
Number of peer reviewed publications (Total number of publications)	11 (15)	12 (14)

**Table 4.2: Research by Professional group 2021/22\*.**

Profession	Completed studies	Ongoing Studies	Total
Psychiatry	9	4	13
Psychology	2	8	10
Nursing	2	4	6
SW	0	0	0
AHP	1	0	1
Other	1	2	3

*\*Figures are affected by the Multi-disciplinary nature of some study teams.*

## 5. Quality Assurance Activity

The Research Committee undertook a review of the State Hospital Research Portfolio on the 29<sup>th</sup> of April 2021. The Research Portfolio review focused on the ongoing development of a high-quality research programme in forensic mental health, that addresses the evidence and information needs of the organisation.

Further assurance over the quality of State Hospital research comes in the form of Research awards. Two studies have received awards within 2021/22:

**Dr Lindsey Gilling McIntosh** was joint winner of the Royal College of Psychiatry Forensic Faculty Conference Research prize for her presentation on: **Reporting of unwanted events in evaluations of psychological and psychosocial interventions with forensic patients: a systematic review of current practice.**

**Laura McCafferty** was also a winner of the award for Innovation and Excellence, at the Mental Health Nursing Forum Scotland, Practice Excellence Awards. The award was for her study: **Triple Jeopardy: a learning partnership to enhance care for people who are ageing, with mental disorders and dementia, in high secure settings.**

## 6. Quality Improvement Activity

The range and quality of research conducted at the State Hospital, is of great credit to the busy clinical and non-clinical staff who conduct research, evaluation and quality improvement activity alongside their key roles. However, the issue of time to conduct research has remained an issue. The Research Committee has taken this position seriously and has agreed the appointment and funding of a part time generic research assistant role to ensure that studies that require some additional support can make a request to the committee to access some of this dedicated time. This role has been put in place for a 12-month pilot period at the end of which the research committee will review the efficacy of this approach and make decisions on the best way to provide study support in the future.

## 7. Stakeholder Experience

The Research Committee is committed to the development and delivery of studies focused on the patient perspective of the programmes and initiatives that they are asked to participate in. The feedback that is received from patients is extremely valuable in informing the ongoing development of treatment programmes and other initiatives designed to support patients.

Involving Forensic in-patients in all aspects of research has traditionally been seen as a difficult thing to do. However the importance and value of including patients at every possible stage, and taking an inclusive co-productive approach is now well documented, and this approach is entirely supported by the Research Committee.

**Example: Recovery Research into Action New Patient Booklet:**  
**Professor Lindsay Thomson, Medical Director, The State Hospital, Professor of Forensic Psychiatry, University of Edinburgh, Cheryl Rees, Research Assistant, University of Edinburgh.**

The Recovery research into action (RRiA) project has been working with existing patients to identify ways in which the learning from previous State Hospital research can be used to support new patients. A booklet has been created by patients (TSH) working with the study team for use by patients, specifically new admissions. The purpose of the booklet is to encourage and support new admissions to start their recovery off on the best footing. The booklet is being finalised by the patient collaborators before going to the RRIA team for approval. The booklet will then undergo further consultation with the PCIT, RC and Hospital Management Team as appropriate before being provided as a resource to all new admissions.

## 8. Planned Quality Assurance/Quality Improvement for the next year

### 8.1 Research Strategy Update

The State Hospital Research Strategy is due to be replaced by a new updated 2022-2025 version. The development of the strategy, which will reflect both the priority areas for research as identified by the State Hospital research portfolio review and the implications of the outcomes of the Scottish Government review of the Barron report recommendations, will be a key quality improvement activity for the work of the research committee. The review of the previous strategies workplan against the recorded activity which has taken place over the life of the strategy; will provide an opportunity for the revised strategy to identify and mitigate against any barriers to research activity or the implementation of research findings into practice.

### 8.2 Responding to the outcome of the Scottish Government SLWG on the review of Forensic MH Services

While the Barron report was very positive about the research and data management work conducted by State Hospital, Forensic Network and the School of Forensic Mental Health, the outcome of the Scottish Governments Short Life Working Group on the recommendation of the Barron report will need to be carefully considered. While the decisions made by Scottish Government could impact upon the way in research is conducted at the State Hospital, or more likely on cross Forensic Network research activity, the decisions may also offer opportunities to support an increase in multisite national research and to utilise the longitudinal national forensic dataset being developed through the FN Database.

## 9. Next review date: 11<sup>th</sup> May 2023

## **Appendix 1: Governance Arrangement for Committee**

### **1 Committee Membership**

#### **Research Committee**

##### **Membership:**

Professor Lindsay Thomson	Chair, Medical Director and Professor of Forensic Psychiatry, University of Edinburgh
Mrs Patricia Cawthorne	Consultant Nurse
Mrs Patricia Coia	Senior Charge Nurse
Mrs Hannah Connor	Lead Occupational Therapist
Ms Rebecca Hart	Librarian, The State Hospital
Dr Sheila Howitt	Consultant Forensic Psychiatrist
Dr Suzanne O'Rourke	Consultant Forensic Clinical Neuropsychologist, Lecturer in Forensic Clinical Psychology, University of Edinburgh
Mr Jamie Pitcairn	Research and Development Manager
Dr Kerry Jo Smith	Forensic Clinical Psychologist (To March 2022)
Ms Anine Summarby	Occupational Therapist
Ms Lindsay Tulloch	Clinical Research Nurse, Lead Nurse
Dr Helen Walker	Consultant Nurse, Forensic Network; Senior Lecturer, University of the West of Scotland (UWS)
Ms Jacqueline McDade	Committee Secretary

### **2 Role of the Committee**

#### **Research Committee**

The role of the Research Committee is to support, encourage and promote research, and to ensure the quality and dissemination of research projects associated with the State Hospital. It seeks to ensure that the Board can have confidence in the quality of research with high scientific and ethical standards, with transparent decision making, and clear monitoring arrangements. The committee also plays a key role in the statutory Research Governance responsibilities of The State Hospitals Board for Scotland, and conducts this role in line with the Research Governance framework of the Chief Scientist Office. The Research Committee also manages the Research Budget, with monthly review of the budget, commitments and funds remaining to be allocated within the current financial year.

The members of this committee also provide a resource for staff undertaking research by providing support, advice and education on research matters. Additionally the committee can assist the hospital through the appraisal and development of evidence or research findings generated through research external to TSH, and promote the practise of evidence based medicine.

### **3 Aims and objectives**

The aims and objectives of the Research Committee, as outlined below mirror those within The State Hospital Research Strategy 2016-2021. The aims and progress made against them will be reviewed as part of developing the new updated Research Strategy.

1. Support the use of data and research evidence as part of an evidence based culture aimed at improving both patient care and the patient experience of care, though a focus on continuously improving practice.



2. Place the research conducted in TSH within the context of the national strategic approach to research in health and the governance required as part of this process.
3. Identify research needs and priorities; and to commission research accordingly.
4. Improve research infrastructure, capacity and management systems.
5. Support evidence based culture through focus on training, developing staff competencies in transferable research skills and increasing research capacity.

#### 4 Meeting frequency and dates met

The research committee meets monthly on the first Thursday of every month (except January). It considers new research proposals, timetabled project reviews, final report reviews and any other research related issues. A series of forms have been developed for the initial research proposal, full research proposal and proposal and final report reviews. All ongoing research projects are reviewed six-monthly and a standardised progress report form is completed. The Research Funding Committee convenes on an ad hoc basis as and when required to review a research related funding request that has been supported by the Research Committee.

#### 5 Research Committee Strategy and Work plan

The current State Hospital Research Strategy covers the period 2016-2021. Work will commence alongside the Research Portfolio review to develop a new updated Research Strategy 2022-2025 for the hospital.

The research committee work plan provides a month by month outline of the priority items of work throughout the year, and shows how actions related to these are structured to meet the deadlines associated with each. The work plan is included below.

Month	Activity
January	No committee meeting
February	Research Committee
March	Research Committee
April	Research Committee
	Completion of RC Annual Report
May	Research Committee
	Presentation of Research Committee Annual report to the Clinical Governance Committee.
	Research and Clinical Effectiveness Conference (TBC)
June	Research Committee
July	Research Committee
August	Research Committee
September	Research Committee
	Specific focus on the prioritisation of the uncommitted funds remaining within the Research budget for following financial period.
October	Research Committee

	Research Committee review of all Open Access Journal article submissions for funding, and decision on successful candidate
<b>November</b>	Research Committee
	Early planning period for following years R&CE conference.
	Forensic Network Research Conference
<b>December</b>	Research Committee
	Final Planning period for R&CE conference.
	Specific focus on the end of financial year budgetary management.

## Appendix 2: Research Activity

### 1. Completed Studies

**Leanne Banks.** The Relationship between Adverse Childhood Experiences, Violence, Empathy and Psychosis within Forensic Settings

**Fraser Breed.** Exploring the strategic approach taken as a result of COVID-19 within a learning organisation (a quantitative study).

**Dr Patricia Cawthorne, Dr Amelia Cooper.** An evaluation of the impact of measures adopted to promote positive staff health and wellbeing during the COVID-19 outbreak.

**Jake Easto.** Exploring the social contagion effect of violence and aggression.

**Alice Fawdrey.** Patient directed aggression or violence in a forensic mental health setting: The nature of patient directed incidents and variables associated with being subjected to aggression or violence

**Kirsten Ferguson.** A study to highlight the prevalence of abnormal neurodevelopment (AN-D) in the Scottish Forensic Estate and to explore the relationship between AN-D and offending characteristics, using multivariate analysis.

**Rhiannon Lammie.** 'A Critical Evaluation of the Impact of COVID-19 on Perceptions of Employee Wellbeing at The State Hospital Since the Beginning of the Pandemic'

**Professor Lindsay Thomson, Dr Lindsey McIntosh, Dr Duncan Alcock.** Pathways into and out of high-security: Systematic analysis of referrals to the State Hospital and transfer referrals out of the State Hospital over one-year period.

**Professor Lindsay Thomson, Dr Gordon Skilling, Dr Lindsey McIntosh.** Unusually Persistent Complaints against the Police in Scotland: developing management, education and clinical solutions. Validation of developed tool by SPSO.

**Dr Helen Walker.** Measuring the Effect of Introducing Formulation into Nursing Care Plans through use of Repertory Grid.

**Kimberly Walker:** The Facilitators and Barriers to Providing Physical Healthcare in a High-Secure Forensic Setting: A Framework Analysis Using the Theoretical Domains Framework and COM-B model.

**Kimberly Walker:** Facilitators and Barriers to Weight Loss Maintenance Among Patients with Severe Mental Illness: A Qualitative Project Assessing the Views of Patients in a Forensic Hospital.

## 2. Journal Articles

Johnstone, O.K., Marshall, J. J., & **McIntosh, L.G.** (2021). A review comparing dialectical behaviour therapy and mentalization for adolescents with borderline personality traits, suicide and self-harming behaviour. *Adolescent Research Review*. <https://doi.org/10.1007/s40894-020-00147-w>

**Gilling McIntosh, L., Rees, C., Kelly, C., Howitt, S. and Thomson, L.D.G.** (2022) Understanding the Mental Health Needs of Scotland's Prison Population. Report for The Scottish Government Health and Social Care, Edinburgh.

"Without limit of time" Living as a restricted patient in Scotland: An interpretative phenomenological analysis

Barnett, V., MacMahon, K., Allan, K., Quayle, E. & **O'Rourke, S.**, 28 Feb 2022, In: *Journal of Theoretical and Philosophical Criminology*. 14, p. 1-32 32 p.

Suicidal ideation in offenders convicted of child pornography offences

Steel, C. M. S., Newman, E., **O'Rourke, S.** & Quayle, E., 18 Jan 2022, (E-pub ahead of print) In: *Behavioral Sciences and the Law*. 14 p.

Technical behaviours of child sexual exploitation material offenders

Steel, C., Newman, E., **O'Rourke, S.** & Quayle, E., 7 Jan 2022, In: *Journal of Digital Forensics, Security and Law*. 17

Public perceptions of child pornography and child pornography consumers

Steel, C. M. S., Newman, E., **O'Rourke, S.** & Quayle, E., 6 Jan 2022, (E-pub ahead of print) In: *Archives of sexual behavior*.

Self perceptions and cognitions of child sexual exploitation material offenders

Steel, C. M. S., Newman, E., **O'Rourke, S.** & Quayle, E., 1 Dec 2021, (E-pub ahead of print) In: *International Journal of Offender Therapy and Comparative Criminology*. 20 p.

Predicting risk of reoffending in persons with child sexual exploitation material offense histories: The use of Child Pornography Offender Risk Tool (CPORT) in a Scottish population  
Savoie, V., Quayle, E., Flynn, E. & **O'Rourke, S.**, 2 Oct 2021, (E-pub ahead of print) In: *Sexual Abuse*.

Collecting and viewing behaviors of child sexual exploitation material offenders

Steel, C. M. S., Newman, E., **O'Rourke, S.** & Quayle, E., Aug 2021, In: *Child Abuse and Neglect*. 118, 105133.

Accuracy of the Hospital Anxiety and Depression Scale Depression subscale (HADS-D) to screen for major depression: Systematic review and individual participant data meta-analysis  
Wu, Y., Levis, B., Sun, Y., He, C., Krishnan, A., Neupane, D., Bhandari, P. M., Negeri, Z., Benedetti, A., Thombs, B. D. & **O'Rourke, S.**, 10 May 2021, In: *BMJ*. 12 p.

**Skilling, G, Gilling McIntosh, L and Thomson, L.D.G.** (2021) The Review of Initial Complainant Conduct (RICC): a tool to assist in the early identification of unusually persistent complainants. *British Journal of Healthcare Management (bjhc.2021.0020R1)*

Asherson,P, Johannson, L, Holland,R, Forrester, A, Gianulli, L, Ginsberg,Y, **Howitt,S**, Kretzschmar,I, Lawrie,S, Marsh,C, **Kelly,C**, Mansfield,M, **McCafferty,C**, **Khan,K**, Muller-

Sedwick,U, Strang,J, Williamson,G, Wilson,L, Young,S, Landau,S and **Thomson, L.D.G.** (in press) Randomised controlled trial of the short-term effects of OROS-methylphenidate on ADHD symptoms and behavioural outcomes in young male prisoners with attention deficit hyperactivity disorder (CIAO-II). *BJPsych*

**Thomson, L.D.G.** (in press) Community Forensic Psychiatry including Liaison with Health, Criminal Justice and Public Protection Agencies. In *Seminars in Forensic Psychiatry*, Chapter 8. Editors: Kennedy H. and Davoren, M. Pubs: Royal College of Psychiatrists.

**Walker, H., Mann, H., Pitcairn, J. and Thomson, L.D.G.** (2021) A National Census of Forensic in Patients with intellectual disability and 5 year follow up. *Journal of Policy and Practice in Intellectual Disability*. <https://doi.org/10.1111/jppi.12407>

### 3. Presentations

**May 2021 – Cheryl Rees:** “Nothing about us without us”: engaging high secure patients as research collaborators presented at Forensic Psychiatry Research Society Meeting.

**June 2021 – Cheryl Rees:** Suicide is not the answer: an exploration of the morbidity and mortality of a Scottish forensic cohort over 20+ years presented at International Association of Forensic Mental Health Services (IAFMHS).

**16 June 2021 – Professor Lindsay Thomson:** Models of care symposium  
International Association of Forensic Mental Health Services Online Conference

**16 June 2021 - Lindsey Gilling McIntosh.** An analysis of consecutive referrals to Scotland’s State Hospital over a 1-year period: predictors of admission to high-security care. International Association of Forensic Mental Health Services Conference, virtual.

**17 June 2021 – Professor Lindsay Thomson:** Key note panel on Covid-19 in Forensic Mental Health Services. International Association of Forensic Mental Health Services Online Conference

**16 September 2021 – Professor Lindsay Thomson:** “The right to be fat in forensic mental health services” McMaster University, Canada

**October 2021 – Cheryl Rees:** Exploration of recovery among patients experiencing high secure care seminar presentation Recovery in Forensic Mental Health: Reality and Reach hosted by Crime in Mind.

**12 October 2021 – Professor Lindsay Thomson:** Recovery in Forensic Mental Health: Reality and Reach. Crime in Mind Seminar on Recovery

**4<sup>th</sup> November 2021 – Cheryl Rees:** “Nothing about us without us”: engaging high secure patients as research collaborators Presented at FNRSIG.

**4<sup>th</sup> November 2021 Lindsey Gilling McIntosh.** An analysis of consecutive referrals to Scotland’s State Hospital over a 1-year period: predictors of admission to high-security care. Forensic Network Research Special Interest Group Conference, virtual.

**3<sup>rd</sup> March 2022 Professor Lindsay Thomson:** Independent Review into Delivery of Forensic Mental Health Services Symposium – a View from the Scottish Forensic Network  
Royal College of Psychiatrists Forensic Faculty Conference

**4<sup>th</sup> March 2022, Dr Lindsey Gilling McIntosh.** Reporting of unwanted events in evaluations of psychological and psychosocial interventions with forensic patients: a systematic review of current practice. Royal College of Psychiatrists Forensic Faculty Conference, virtual.

#### **4. Ongoing Research Studies**

**Patricia Coia.** Staff experience from a clinical student to newly qualified practitioner in a high secure forensic mental health service and any impact of CV-19 educational arrangements on final year preparation for practice.

**Barry Hill.** Embedding Data in Routine Practice. ScIL QI Programme Thesis

**Laura McCafferty.** An evaluation of the impact of an educational programme on dementia care in secure settings.

**Dr Suzanne O'Rourke.** Can physiological monitoring identify imminent violence in mentally ill offenders

**Dr Suzanne O'Rourke, Donal Campbell.** Trajectories of forensic treatment response.

**Professor Lindsay Thomson, Jamie Pitcairn.** Understanding Needs, Securing Public Safety: The Forensic Network Census and Database – annual

**Professor Lindsay Thomson, Cheryl Rees.** Recovery Research into Action

**Professor Lindsay Thomson, Cheryl Rees.** Progression through services: data linkage and analysis of transitions and overall pathway of the 2013 Scottish forensic inpatient population.

**Professor Lindsay Thomson, Daniel Bennett.** Outcomes of Appeals Against Excessive Security in High and Medium Security

**Professor Lindsay Thomson.** Improving the health and well-being of people with dementia and cognitive frailty in prison (Rhoda MacRae, Tom Russ, Helen Walker, James Taylor)

**Professor Lindsay Thomson, Cheryl Rees, Dr Lindsey Gilling McIntosh.** Progression through services: data linkage and analysis of transitions and overall pathway of the 2013 Scottish forensic inpatient population (

**Professor Lindsay Thomson Cheryl Rees, Dr Lindsey Gilling McIntosh, Caroline Kelly, Dr Sheila Howitt.** Prison Mental Health needs assessment – tender for Scottish Government Health and Social Care.

**Lindsay Tulloch, Dr Helen Walker, Rebecca Carr:** .An exploration of the management of significant violence and aggression in high and medium secure forensic psychiatric hospitals in Scotland and Northern Ireland

**Dr Helen Walker.** Staff perception of change following the introduction of an education programme; New to Forensic – Essentials of Psychological Care

**Dr Helen Walker, Dr Adam Polnay.** Examining the effectiveness of Reflective Practice Groups using The Relational Aspect of CarE scale (TRACE).