

BOARD OF DIRECTORS MEETING (Open)

Date: 12th April

Item Ref:

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TITLE OF PAPER	Research Update
TO BE PRESENTED BY	Dr Mike Hunter, Executive Medical Director.
ACTION REQUIRED	For the Board of Directors to be informed of the performance of the Trust against research metrics; to be aware of changes in research finances and; be updated on the progress of key research studies, including how they will benefit service users and support Trust objectives.
OUTCOME	For the Board of Directors to be assured of Trust research performance, that research benefits service users and contributes towards delivery of the Trust vision and mission statement.
TIMETABLE FOR DECISION	To be discussed at April's Board of Directors meeting.
LINKS TO OTHER KEY REPORTS / DECISIONS	Research is linked to quality improvement, service delivery, efficiency and productivity.
LINKS TO OTHER RELEVANT FRAMEWORKS BAF, RISK, OUTCOMES	1.1 Quality of Care Level of research activity in NHS trusts has been shown to correlate to improved outcomes for service users and higher productivity.
IMPLICATIONS FOR SERVICE DELIVERY AND FINANCIAL IMPACT	Increases in Research Capability funding will enable the further development of Trust Research.
CONSIDERATION OF LEGAL ISSUES	N/A

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Designation	Director, Research Development Unit
Date of Report	4 th April 2017



SUMMARY REPORT

Report to: Trust Board

Date: 12th April 2017

Subject: Research Update

Presented by: Dr Mike Hunter - Executive Medical Director

Author: Nicholas Bell - Director, Research Development Unit

1. Purpose

To update the Board of Directors on research performance, activity, finance and developments.

2. Summary

The Trust continues to meet all the high level objectives set by the Yorkshire & Humber Clinical Research Network (CRN) related to research performance, these are:

- Work with the Health Research Authority (HRA) to confirm ethical approval, capability and capacity for delivering research projects within 40 days of valid applications.
- Recruit first patient to research projects within 30 days of HRA approval.
- 70 day benchmark from valid application from application to first participant recruited.
- Meet agreed recruitment target.
- Engagement in commercial trials.

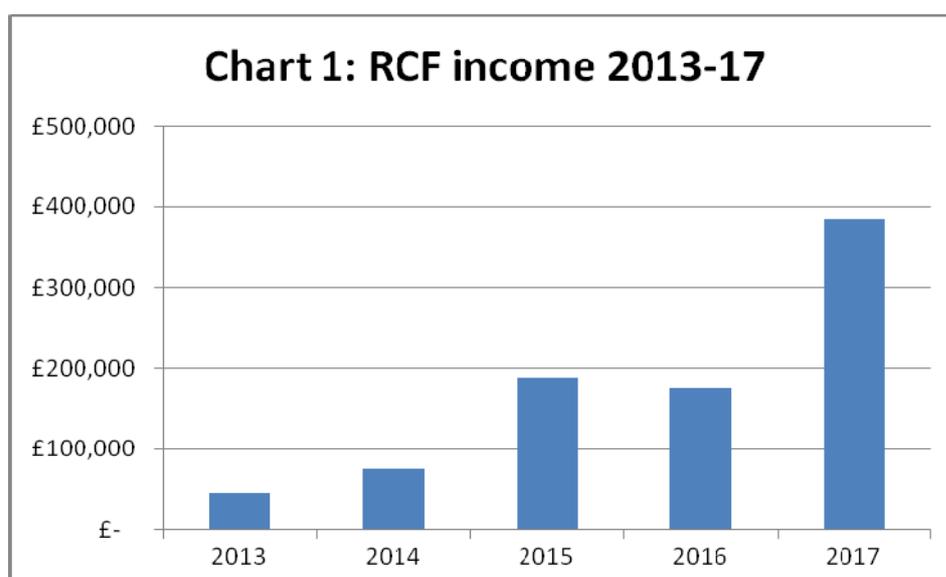
SHSC is rated green across all these KPIs, the only other mental health trust in the region to do so is Leeds and York Partnership NHS FT. The Trust recruitment to portfolio studies in 2016/17 is 855 (up to the most recent data cut of 10/03/2017.) This exceeds the target agreed with CRN of 450 and makes SHSC the highest recruiting mental health trust in Yorkshire and Humber.

Table 1: Mental Health Research Recruitment (1/4/2016-10/3/2017)	
Sheffield Health & Social Care NHS FT	855
Leeds and York Partnership NHS FT	736
Bradford District Care NHS FT	725
Humber NHS FT	711
South West Yorkshire Partnership NHS FT	623
Rotherham Doncaster and South Humber NHS FT	597

Research income will also increase significantly in 2017/18. This is due to a significant increase in Research Capability Funding (RCF) from £176K in 2016 to £385K in 2017.

Table 2: Research Capability Funding Allocations 2017		
Sheffield Health & Social Care NHS FT	£	384,995
Leeds and York Partnership NHS FT	£	102,164
Humber NHS FT	£	34,742
Bradford District Care NHS FT	£	26,412
South West Yorkshire Partnership NHS FT	£	20,000
Rotherham Doncaster and South Humber NHS FT	£	20,000

RCF is allocated to research-active NHS trusts in proportion to the total amount of other NIHR income received by that trust. The RCF to SHSC has increased significantly over the last five years (see graph below) as we have developed our capability to generate and host research projects funded by the National Institute for Health Research (NIHR).



The studies that determine our RCF income are:

Table 3: NIHR funded studies hosted by SHSC			
Title	Funder	Recruitment	Award value
STEPWISE - Trial of a structured educational intervention to prevent weight gain in schizophrenia	NIHR- Health Technology Assessment	414	£ 2,010,680
STEPWISE extension	NIHR- Health Technology Assessment	N/A	£ 282,996
Journeying through Dementia - Trial of a self-help intervention in mild/moderate alzheimer's disease	NIHR- Health Technology Assessment	Underway	£ 1,964,310
FISCU -Exploring the Feasibility of Implementing a Supervised Exercise Training and Compression Hosiery Intervention in Patients with Venous Ulceration	NIHR - Research for Patient Benefit	N/A	£ 287,135

We use our RCF income in the ways allowed by the NIHR; to support key staff in the unit not funded by other income streams (primarily the CRN and Sheffield CCG) and strategically to align with Trust objectives and generate future RCF to ensure the sustainability of Trust research. Grant applications supported by SHSC RCF include:

- A programme grant (submitted) to support service-users discharged after an in-patient admission to remain smoke-free
- Development of optimal physical activity interventions to promote good mental health
- Development of a Trial of a CBT intervention for the management of low back pain
- Integrating mental health interventions within community and district nursing.

The high profile projects that SHSC hosts have also performed well. The Journeying

through Dementia study (details in table above) has recently started recruiting service users across the ten participating sites, while the STEPWISE study (details in table 3 above) has closed recruitment having exceeded the recruitment target and with a retention rate of 82% (100% in SHSC.) Such has been the success in recruitment and retention to the STEPWISE study that the NIHR has agreed to fund a 16 month extension to the study, should the results after the first 12 months prove positive. Our commercial trials are in the memory service and are shown in the table 4 below. Other important areas for research are smoking cessation, counselling vs cognitive behavioural therapy, non-commercial memory service trials, DNA polymorphisms in Schizophrenia, Bipolar Disorder and Alcohol Dependence and the physical / mental health interface.

Commercial Studies			
Title	Sponsor	Recruitment target	Recruitment
Randomized, double-blind, placebo controlled, multi-centre registrational trail to evaluate the efficacy and safety of TTP488	vTv Therapeutics LLC	6	3 in screening
A Phase 3, double-blind, randomized study of RVT-101 versus placebo when added to existing stable donepezil treatment in subjects with mild to moderate alzheimers disease	Axovant Sciences Ltd	5	8 (now closed)
multicenter, randomized, double-blind, placebo-controlled, parallel-group study will evaluate the efficacy and safety of gantenerumab in participants with mild Alzheimer disease	Hoffman-La Roche	4	4 (now closed)

Research clearly enables SHSC to deliver its values and mission statement. Under Partnership, Trust values include “I work flexibly with others to identify and achieve the best outcomes” this a good description on the aim of research in the NHS and is clearly what we are achieving by working with our research partners; while under Ambition our values state “I look for ways to continuously improve services” and research will be one of the ways we can achieve this. Research contributes to our vision of providing high quality care and improved outcomes, especially having the evidence to show we are doing this and, increasingly, our reputation in research is leading to national recognition.

Our links with the Yorkshire and Humber Collaboration for Leadership in Applied Health Research and Care (CLAHRC) and our support for research arising from the Trust smoke-free initiative have generated a NIHR programme grant application which is in the final stages of the evaluation process. This is the SCEPTRE application (promoting smoking cessation and preventing relapse to tobacco use following a smoke free mental health inpatient stay) it is for £2.6million and incudes three SHSC co-applicants and additional clinical expertise. While links with research teams in the University of Sheffield School for Health and Related Research are generating new applications around using patient experience data to improve the quality of inpatient mental health

care and an application to the NIHR i4i's Mental Health Challenge call using artificial intelligence to embed a computer-delivered psychological therapy.

A new research and innovation group is being established to improve links with clinical areas and monitor research performance. The terms of reference of this group are currently being drafted and will be developed with the Director of Corporate Governance. It is anticipated that this group will report to the Quality Assurance Committee.

Recent publications:

- Paul C, Sally Brabyn S, Cooke F, Leahy M, Ohlsen S, Peckham E, Stevens S, Wylde M. Rolling Out a Staff Survey Across Organisations, in the Context of Implementing Smoke-Free Guidance in NHS Services SAGE Research Methods Cases. January 2017
- Peckham E, Leahy M, Paul C, Ohlsen et al. Going totally smoke-free in mental health services: results of a staff survey to support implementation and evaluation. to BMC Public Health, currently under review
- Franklin, M., Davis, S., Horspool, M., Kua WS., Julious S. Economic Evaluations Alongside Efficient Study Designs Using Large Observational Datasets: the PLEASANT Trial Case Study. PharmacoEconomics (2017). doi:10.1007/s40273-016-0484-y; published online 21 January 2017

3 Next Steps

For the Board of Directors to note this update and any questions or issues to be addressed.

4 Actions

For the Board of Directors to receive this report.

5 Monitoring Arrangements

Via the Research & Innovation group reporting to QAC (subject to approval).

6 Contact Details

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