

Research Update



Dr Peter Sneddon
Clinical Research Office
Director

Implementation of the STHFT Research Strategy and POF



Aim of the STHFT Research Strategy

To increase the **quantity, quality and impact of clinical research** so that it is viewed as essential and valued activity by all members of the organisation and the wider Sheffield community

Implementation of the STHFT Research Strategy

Create a Clinical Research Academy with the University of Sheffield

- Call for applications - January 2015
- Interview candidates 18th June 2015
- First Fellows selected - June/July 2015
- Fellowships begin - September 2015
- Award of 2 PAs per fellow
- Up to 5 fellows supported by STHFT

Review of Academic Directorates

- Academic Directorates will act as role models in:
 - Meeting NIHR national metrics
 - Increasing research capacity and output
 - Generating NIHR grant and other income
- Formal reviews of each Directorate's research performance were conducted in March/April 2015
- A Research Sub-committee reviewed each Directorate's application and made recommendations to the STHFT Research Committee

Academic Directorate Review outcomes for 2015/16:

Academic Directorate status renewed:

1. Cardiology and Cardiothoracic Surgery
2. Communicable Diseases
3. Diabetes and Endocrinology
4. Neurosciences
5. Oral and Dental
6. Respiratory Medicine
7. Specialised Cancer
8. Specialised Medicine

Academic Directorate status awarded for the first time to 5 Directorates:

1. Accident and Emergency
2. Obstetrics, Gynaecology and Neonatology
3. Professional Services
4. Renal Services
5. Urology

Example of a new application for Academic Directorate status

Executive Summary

The Directorate of Professional Services has developed a research strategy to build on our distinct expertise; to advance clinical practice and provide benefits to patients. It is our ambition over the next year to become an academic directorate whose reputation for high quality clinical research is recognised at a national and international level. Therefore we aim to maintain the impetus we have achieved and build on our track record of engaging with patients, nurturing early career researchers, developing collaborations with academic partners, and supporting research leadership.

During 2014–15 the Directorate has achieved an increase in research productivity including bid writing and submissions, grant capture, patient and public engagement and collaborations with a range of University partners. We have exceeded our planned research activity targets during this period in key areas including the value of grants awarded and income to the Trust.

In 2014 Professional Services was the third largest generator of research income to the hospitals. Over 10% of our workforce are research active and we have a sustainable infra-structure, including an Academic Board with its associated Professoriate and representatives from our PPI panel and external research bodies. We partner with patient representatives on our PPI panel and reference their views and advice in our planning for research and development in the Directorate.

For 2015–18 we have set five strategic aims that will guide our annual plans and specific projects for the next three years. These aims are:

1. **To increase benefit to patients through research delivery that engages staff and transforms services**
2. **To grow research capacity and capability**
3. **To maintain research infrastructure in the Directorate to demonstrate the strategic commitment to research and support collaborative delivery**
4. **To build on strengths and identify clinical /research expertise in order to generate themes/ priorities which have the potential to improve patient outcomes**
5. **To build research reputation and generate clear outputs in relation to organisational goals.**

*Rev. Dr. Mark Cobb (Clinical Director of Professional Services) and
Dr. Sue Pownall (Professional Services Directorate Research Lead)*

Example of a new application for Academic Directorate status

PROFESSIONAL SERVICES DIRECTORATE						
Objectives	2014/15 Target	2014/15 performance				Year to date
		Q1	Q2	Q3	Q4	
1 Number of research active staff	62			62		62
2 Number of research publications	37			37		37
3 Number of grant applications submitted	10	3	1	1		5
4 Number of grants awarded	6	0	0	2		2
5 Total value of successful grant applications	£250k	£0	£0	£459, 255		£495, 255
6 Amount of income to STH	£240k	£0	£0	£349, 157		£349,157
7 Number of active portfolio studies	9	7	9	9		9
8 Total number of patient accruals to studies	20	11	0			11
9 70 day benchmark (%)	100	100 (1/1)				100%
10 Recruitment to time and target (%)	100					
11 Directorate specific KPIs	4					
12 Patient and public benefits		PPI co-ordinator post established 0.2wte, PPI panel recruited and active including reviewing applications at all stages. Patient representatives reporting benefits to engagement and undertaking Co-applications (x2). Video of PPI promotion made and on STH Intranet				
Directorate commentary on performance		The grant and portfolio study data is taken from Quarter 1, 2 and 3 of the 2014/15 financial year. The number of research active staff and research publications is taken from 2013/14 data. Grants awarded include Chartered Society of Physiotherapy as well as NIHR- Grants submitted include; STH 16376, 18420 18552,18524,18520, 18458, 18381 , 18154, 18001, 17076, Grants successful include STH18420, 18552, 18524, 18381, 18154, 18001. Accrual figures; STH 18255 Palmer (3) STH 16299 has recruited this year (11) but we have yet to confirm accruals to PSD under Annalena Venneri (neurosciences) Cat Hayden STH15945 (Specialised cancer) 50% accruals agreed for STH 18524 (Murray Co-I)that will recruit in 4th Q. Directorate Specific KPIs; 1) Secure match funding for capacity building post from SHU (Research Development Officer), 2)PPI Panel established and Academic Board in place. 3) Collaborative research events and collaborations to promote AHP and psychology research. 4) Commercial studies- Target 2 (Boehringer, Aymes,) amounting to total £26k				

Contribution of the Academic Directorates to STH research outputs

- Next slide shows the contribution that each Directorate makes to each STH POF metric
- Also shows the combined contribution that the 13 Academic Directorates make to each STH POF metric (bottom lines).
- The data indicates that the 13 Academic Directorates deliver most of STH's research outputs; 80% to 90% of publications, grants and clinical trials

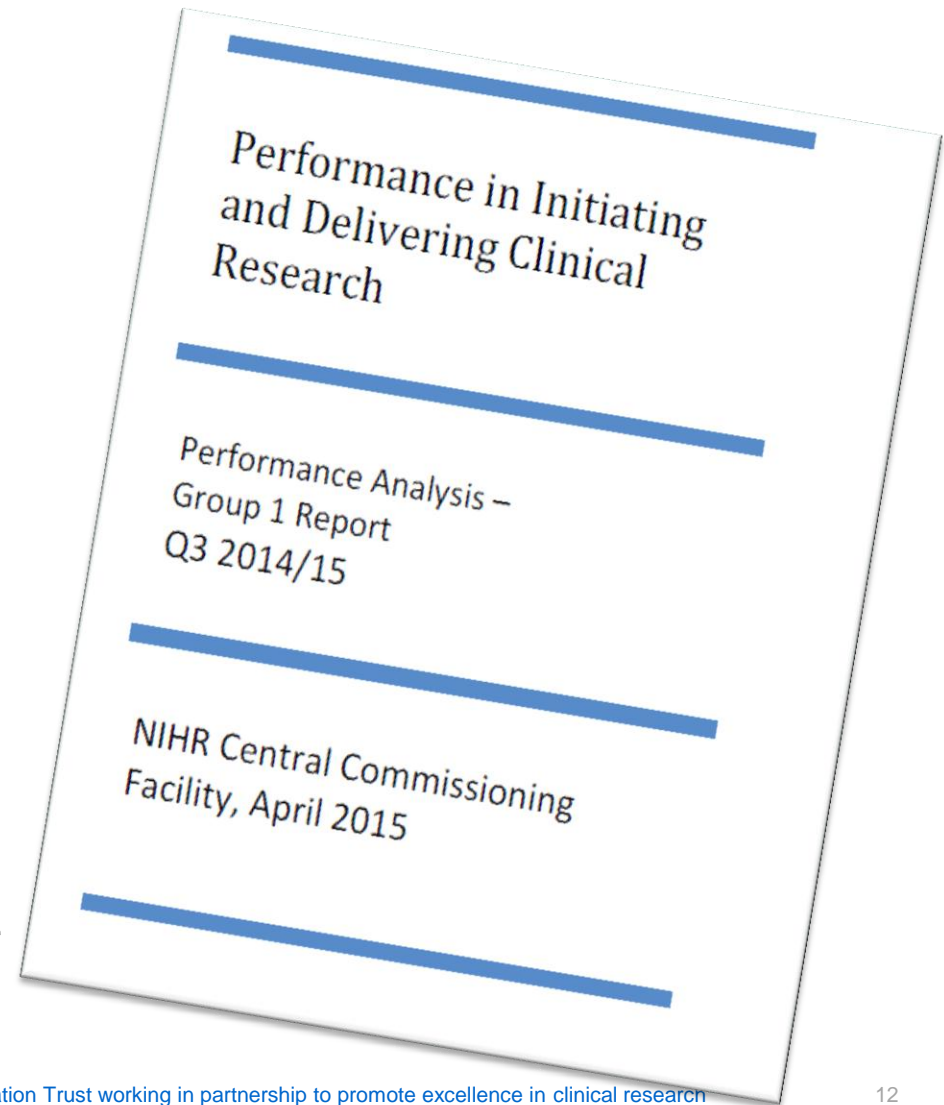
Directorate	Research Staff	Publications ¹	Grants Submitted	Grants Awarded	Value of Successful Grants	Income to STH	Active Portfolio Studies	Patient Accruals	70 day Benchmark	Recruitment to Time & Target
Accident & Emergency	10 (10)	19 (19)	0 (0)	3 (2)	£3.25m (2.0m)	£50k (£55k)	8 (7)	16 (25)	50% (50%)	-
Cardiology & Cardiothoracic Surgery	41 (44)	52 (57)	6 (7)	6 (5)	£2.37m (633k)	£124k (£124k)	33 (25)	395 (350)	100% (90%)	33.3% (40%)
Communicable Diseases	18 (18)	45 (45)	10 (10)	4 (4)	£1.09m (£1.09m)	£25.5k (£25.5k)	30 (28)	585 (585)	50% (50%)	0% (40%)
Diabetes & Endocrinology	28 (32)	44 (48)	5 (4)	2 (1)	£1.9m (£250k)	£15.8k (25k)	40 (38)	156 (125)	100% (80%)	28.6% (70%)
Neurosciences	136 (136)	84 (110)	46 (60)	21 (25)	£5.8m (-)	£137k (-)	80 (64)	841 (1200)	87.5% (80%)	64% (80%)
OGN	46 (46)	51 (51)	6 (8)	3 (3)	£1.37m (£1.37m)	£550k (£550k)	36 (36)	492 (589)	100% (80%)	0% (80%)
Oral & Dental	62 (62)	88 (70)	7 (5)	0 (1)	£0 (£250k)	£0 (£5k)	11 (10)	604 (500)	100% (80%)	-
Professional Services	62 (62)	37 (37)	11 (10)	5 (6)	£498k (£250k)	£368k (£240k)	6 (9)	14 (20)	100% (80%)	100% (80%)
Renal Services	23 (20)	14 (10)	1 (1)	3 (1)	£514k (£400k)	£180k (£150k)	27 (20)	184 (200)	100% (80%)	66.7% (60%)
Respiratory Medicine	33 (33)	30 (30)	4 (3)	8 (7)	£3.0m (£3.0m)	£470k (£470k)	28 (28)	129 (100)	66.7% (80%)	42.9% (80%)
Specialised Cancer	117 (120)	39 (50)	2 (2)	1 (2)	£0 (£0)	£0 (-)	174 (150)	412 (500)	96.7% (90%)	46.2% (60%)
Specialised Medicine	50 (50)	92 (92)	21 (23)	6 (8)	£3.6m (£3.6m)	£0 (£0)	90 (90)	401 (397)	66.7% (80%)	27.3% (80%)
Urology	15 (18)	49 (62)	1 (12)	3 (7)	£2.39m (£1.89m)	£21k (£169k)	15 (14)	13 (33)	100% (50%)	0% (50%)
Academic Directorate Totals	641	644	120	*64	*£24.04 million	£1.94 million	578	4242	**92.5%	**43.3%
Trust Totals	844	815	133	*70	*£24.78 million	£2.14 million	665	5531	**92.2%	**42.2%
Contribution to Trust Total²	75.95%	79.02%	90.23%	91.43%	97.01%	90.56%	86.92%	76.69%	N/A	N/A

National R&D performance



STHFT performance for 2014/15

- NIHR Performance and Operating Framework
- Quarterly comparison of performance metrics of all Trusts in England
- Allows NIHR funding allocations to be based on performance

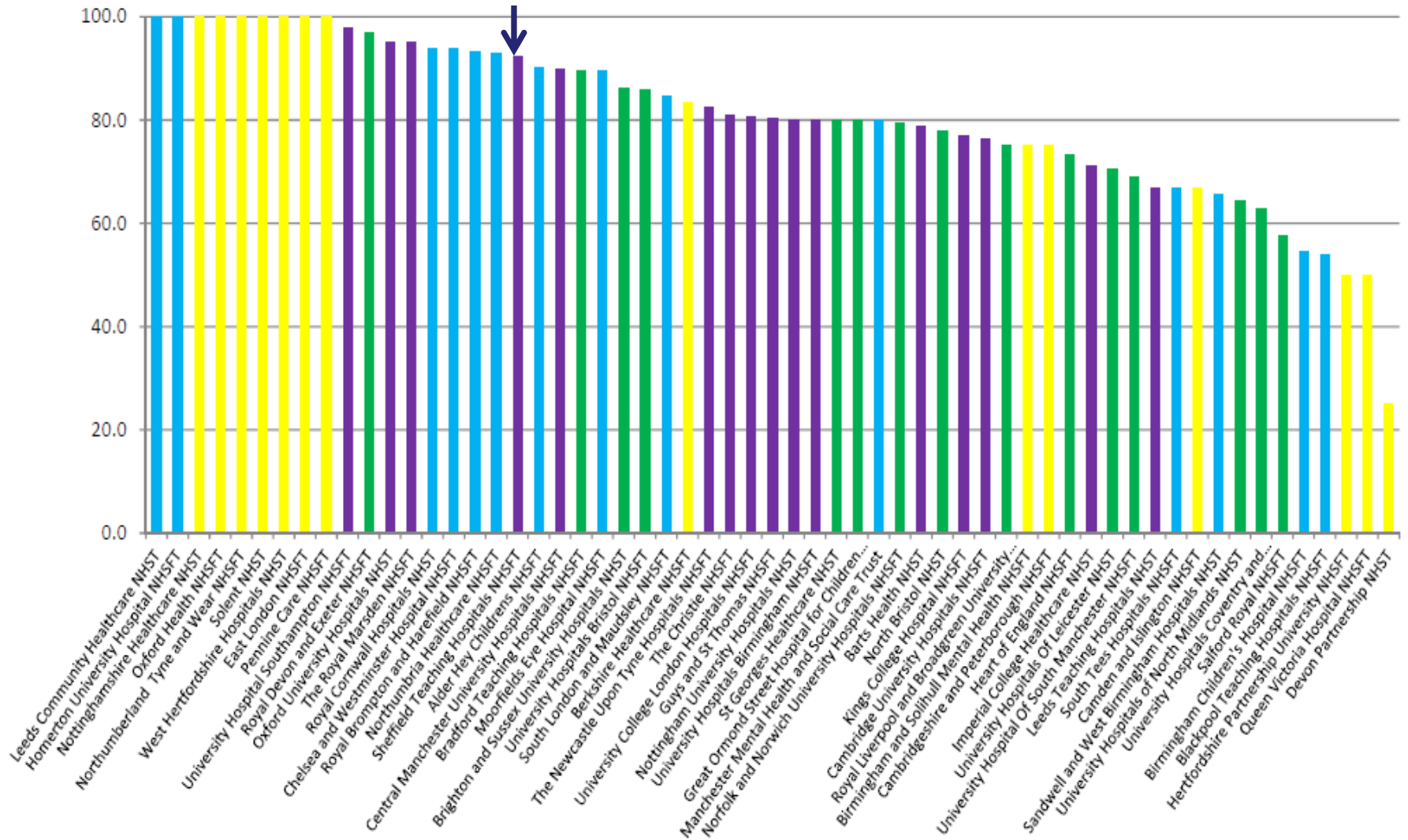


Key messages from the national metrics

- The number of STHFT patients recruited to trials in 2014-15 was 7786 (98% of our target)
- STHFT currently meets 70 day Benchmark for 92% of trials (national target 80%)
- All key STH metrics continue to improve
- POF metrics are important for funding from NIHR CRN, RCF and commercial partners
- STHFT will not incur financial penalties introduced by DH

STHFT performance in national metrics

Adjusted Percentage of Trials Meeting the Benchmark



70 Day (Valid application to First patient recruitment) Metric

STH Trials
meeting target
(vs National
performance)*

STH
Performance
Trend

National
Performance
Trend

FY13-14

60.3% (51.8%)

Q1 20.5% →
Q4 88.3%

Q1 28.3% →
Q4 56.8%

FY14-15

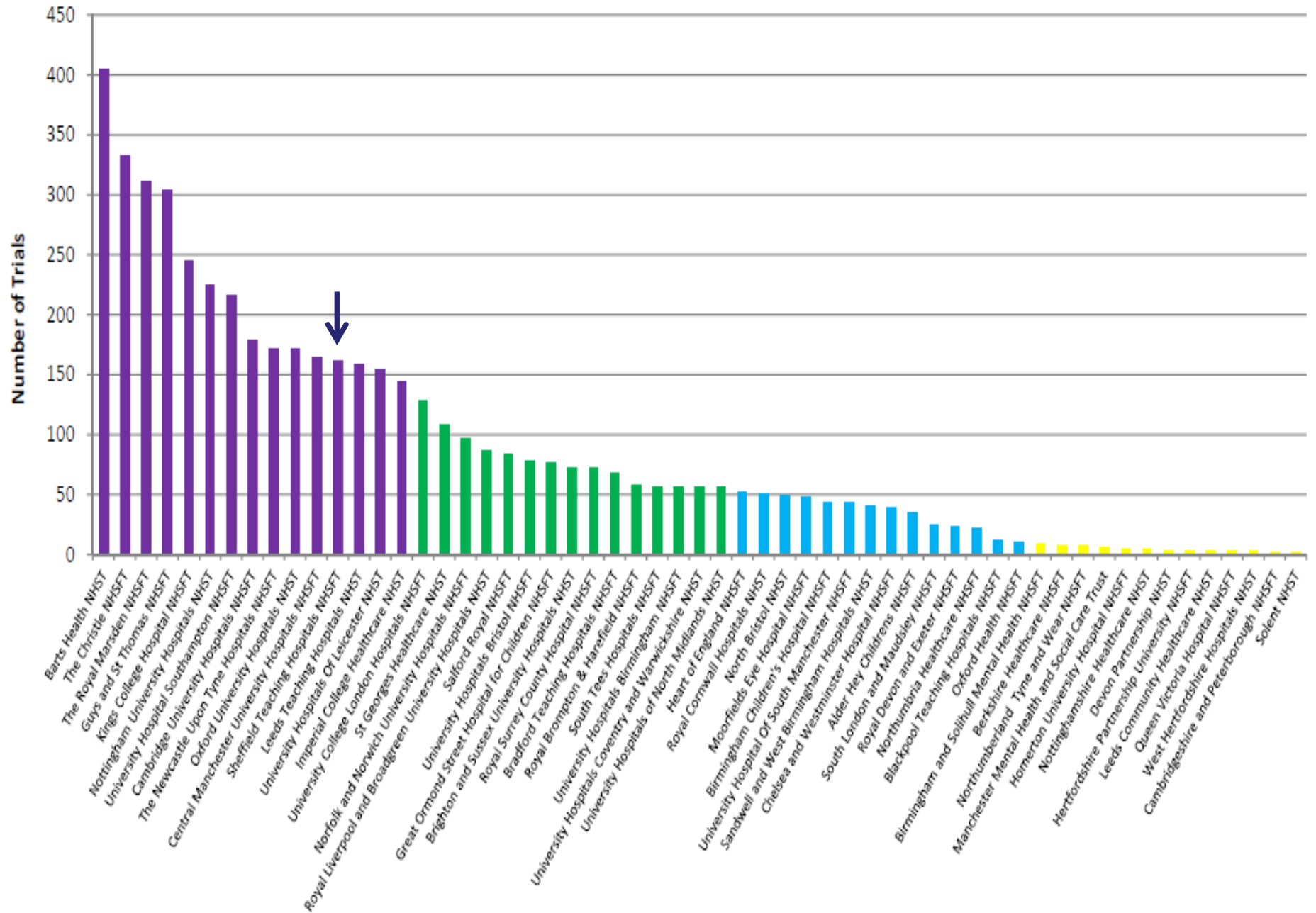
92.2% (65.6%)

Q1 92.2% →
Q3 92.2%

Q1 65.3% →
Q3 79.9%

*Median figures

Number of Reported Commercial Trials from All Group 1 Providers



NIHR Clinical Research Network Yorkshire and Humber



STHFT role as host of NIHR YH CRN

- All Host's objectives have been delivered on schedule
 - STHFT provided HR support and appointed key staff
 - Appointed a leadership team distributed across the region
 - Provide financial management for the Network
 - Funding allocation for 2015/16 is £28.1 million
 - Procured an IT system for research portfolio management
- YH CRN Annual Report for 2014/15 submitted
- YH CRN Annual Plan and Financial plan for 2015/16 submitted
- **Main challenge ahead - deliver 2015/16 Annual Plan, particularly the efficient recruitment of patients onto clinical trials**

Key messages from the YH CRN national metrics

- YH CRN is recruiting the third largest number of patients of the 15 CRNs in England (9.9% of national total)
- YH CRN is currently achieving only 80% of its NIHR recruitment target
- YH CRN recruitment performance is below the national average of CRNs in England
- **YH CRN must address the variation in the performance of the 22 Partner Organisations**
- **YH CRN must develop its clinical research strategy, particularly in some key clinical specialties**

Other Developments in Research...

- New proposal to support Infrastructure for Innovation within STHFT (Wendy Tindale and Simon Heller)
- New Clinical Research web site with 3 sections for;
 - Researchers, Patients & Public and for Industry

www.sheffieldclinicalresearch.org
- NIHR Yorkshire and Humber CLAHRC – Lord Willis chairs Strategy Board Meeting on 25th June 2015

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