

Chief Scientist Office Outturn Summary 2016-17

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1. Summary of Information Provided

Extract of annual figures from official internal monitoring documents. Although largely unaltered minor presentational changes may have applied to non numerical information such as text descriptions.

2. Purpose of the Information Provided

To provide a more detailed insight into how the budgets delegated to the Scottish Government Chief Scientist Office are utilised.

3. Annual Outturn Summary 2016-17

Programme line		
	Budget £000s	Expenditure £000s
Research Royalties Received	(55)	(91)
NIHR Research Programmes	7,680	9,827
Research Initiatives	13,879	11,763
Research Support	40,240	40,167
Precision	3,000	3,000
Total	64,744	64,666

3.1 Programme Line Detail - Research Royalties Received

Expenditure	
	Total for Year
Royalties Received	(243,559)
Royalties Shared with MRS	152,225
Total	(91,335)

3.2 Programme Line Detail - NIHR Research Programmes

Expenditure	
	Total for Year
NIHR / NETSCC Managed Programmes - Devolved Administration Contribution	9,826,880
Total	9,826,880

3.3 Programme Line Detail - Research Initiatives

Expenditure	
	Total for Year
Grant - ETM	1,819,116
Grant - TCS	190,925
Grant - HSP	2,639,811
Grant - HIPS	175,738
NHS National Services Scotland - ISD Statisticians Services	58,948
Grant - Catalytic Grants	324,048
Grant - Policy Priorities Grants	0
Grant - Charities co-funding	104,513
Unit - SPHSU	800,000
Unit - HERU	835,456
Unit - HSRU	874,452
Unit - NMAHPRU	731,840
Unit - IHR	356,152
Unit - SCPHRU	326,789
Fellowships - CAF, PDF, DTF	914,837
Fellowships - AUKCAR	104,880
Fellowships - CHARITY	146,080
Fellowships - SCAF	210,291
SCREDS	(3,361)
SISCC	200,000
UKCC	66,850
EHIRC [E-Health Informatics Research Centres]	50,000
NCRI	42,613
NPRI [National Prevention Research Initiative]	20,000
TIRI [Translational Infection Research Initiative]	1,493
Lifelong Health & Wellbeing	23,157
BfAM [Board for Academic Medicine]*	0
UKCRC [UK Clinical Research Collaboration] - Tissue Directory	20,000
SINAPSE	10,000
Scottish Genomics Partnership	500,000
PEG and Committee Meeting Costs	5,408
Dissemination (inc OSCHR Management Charge)	76,961
Ethics Support (HRA)	88,190
Journal Corrections	(501)
Correction to HF basedata	(943)
Total	11,713,742

* CSO makes a £25k contribution to BfAM by way of internal budget transfer.

NHS Board Allocations	
	Total for Year
ScotlandAREC - NHS Lothian	33,000
Total	33,000

3.4 Programme Line Detail - Research Support

NHS Board Allocations	
	Total for Year
NRS - NHS Ayr & Arran	679,000
NRS - NHS Borders	194,000
NRS - NHS Dumfries & Galloway	259,000
NRS - NHS Fife	673,000
NRS - NHS Forth Valley	495,000
NRS - NHS Grampian	5,563,000
NRS - NHS Greater Glasgow	12,507,000
NRS - NHS National Waiting Times Centre Board	219,000
NRS - NHS Highland	565,000
NRS - NHS Lanarkshire	586,000
NRS - NHS Lothian	9,135,000
NRS - NHS Tayside	7,275,000
NRS Permissions CC - NHS Grampian	205,000
SHARE - NHS Tayside	294,000
ISD Safe Haven - NHS National Services Scotland	150,000
NRS Biorepositories Accreditation - Healthcare Improvement Scotland	53,391
Ophthalmology and PC PhD	7,000
Total	38,859,391

Expenditure	
	Total for Year
NRS Central Management Team	424,118
SHIL Running Costs	367,000
Excess Treatment Costs [via SHIL]	446,874
Portfolio Adoption Support	23,268
UK CRF Network	10,000
NRS Conference	15,882
NEW - Shil Website Grant	20,000
Total	1,307,142

Note: some secondees staff costs have been excluded from these tables but are reflected in the total for research Support in the Annual outturn Summary.

3.5 Programme Line Detail – Precision

Expenditure	
	Total for Year
Precision Medicine Ecosystem	3,000,000
Total	3,000,000

4. Abbreviations Used

ETM	- [Experimental and Translational Medicine]
TCS	- [Translational Clinical Studies]
HSP	- [Health Services & Population Health]
HIPS	- [Response Mode Funding [Health Improvement, Protection and Services]
HICG	- [Health Informatics Challenge Grants]
ASM	- [Applied Stratified Medicine]
SPHSU	- [Social and Public Health Sciences Unit]
HERU	- [Health Economics Research Unit]
HSRU	- [Health Services Research Unit]
NMAHPRU	- [Nursing, Midwifery and Allied Health Professions Research Unit]
IHR	- [Institute for Hearing Research]
SCPHRP	- [Scottish Collaboration for Public Health Research and Policy]
SCREDS	- [Scottish Clinical Research Excellence Development Scheme]
SGP	- [Scottish Genomics Partnership]
CGA	- [Catalytic Grant Award]
SCAF	- [Senior Clinical Academic Fellowship]
PDF	- [Postdoctoral Training Fellowship]
DTF	- [Doctoral Fellowship]
AUKCAR	- [Asthma UK Clinical Academic Researcher]
SCREDS	- [Scottish Clinical Research Excellence Development Scheme]
CZP	- [Primary Care Research Career Award]
CZB	- [Biomedical and Therapeutic Research]
CZF	- [Research Training Fellowship]
CZG	- [Small Grant Application]
CZH	- [Health Services Research]
CZS	- [Postgraduate Studentship in Health Services Research]
SCD	- [Senior Clinical Fellowship]
PCRCA	- [Primary Care Research Award]
ARPG	- [Applied Research Programme Grant]
SCPH	- [Scottish Collaboration for Public Health Research & Policy]
SISCC	- [Scottish Improvement Science Collaborating Centre]
UKCC	- [UK Cochrane Centres]
EHIRC	- [E-Health Informatics Research Centres]
NCRI	- [National Cancer Research Institute]
ECMC	- [Experimental Cancer Research Medicine Centres]
NPRI	- [National Prevention Research Initiative]
TIRI	- [Translational Infection Research Initiative]
BfAM	- [Board for Academic Medicine]
UKCRC	- [UK Clinical Research Collaboration]
SINAPSE	- [Scottish Imaging Network: A Platform for Scientific Excellence]
PEG	- [Public Engagement Group Dissemination] (inc OSCHR Management Charge)
HRA	- [Health Research Authority]
OSCHR	- [Office for Strategic Coordination of Health Research]
AREC	- [Research Ethics Committee A]
SHiL	- [Scottish Health Innovations Ltd]
i4i	- [NIHR Invention for Innovation]
MRS	- [Medical Research Scotland]
MRC	- [Medical Research Council]
NIHR	- [National Institute for Health Research]
NETCC	- [NIHR Evaluation, Trials and Studies Coordinating Centre]

5. Explanatory notes

ETM

Experimental and Translational Research Committee – a response mode funding committee covering experimental and translational medicine. Active from 2010 to 2015.

TCS

Translational Clinical Studies Research Committee – replaced the ETM committee. Active 2016 – present
The TCS Committee considers applications for research aimed at improving treatments and / or diagnostic approaches for conditions of clinical importance to the population of Scotland.

Applications must demonstrate the clinical relevance of the research and its potential for translation into clinical practice. Applications that seek to address questions of clinical importance in small patient groups (e.g. rare diseases) are welcomed.

Development, feasibility or pilot studies providing essential data to underpin applications for definitive studies to other funders form a major proportion of the portfolio.

<http://www.cso.scot.nhs.uk/funding-2/response-mode-funding-schemes/translational-clinical-studies-research-committee/>

HSP

Health Services and Population Health Research Committee – a response mode funding committee covering health services and population health. Active from 2010 to 2015.

HIPS

Health Improvements, protection and Services Committee – replaced the HSP committee. Active 2016 – present.

The HIPS Committee considers applications for research aimed at improving or protecting population health or improving the quality, safety and/or effectiveness of healthcare in Scotland. Applications must demonstrate the relevance and importance of the research and its potential for significant impact on health in Scotland. A clear pathway for translation of the results into policy and/or practice must be presented. Development, feasibility or pilot studies that will provide essential data to underpin applications for definitive studies to other funders are expected to form a major proportion of the portfolio.

<http://www.cso.scot.nhs.uk/funding-2/response-mode-funding-schemes/health-improvement-protection-and-services-research-committee/>

Policy Priorities grants

From time-to-time, CSO may issue open competition calls for research focused on addressing important policy questions identified within the Scottish Government Health and Social Care Directorates. The scope of the calls will be defined by Scottish Government policy teams in collaboration with CSO and will be informed by the needs for research at the time. Successful applications will be funded by policy team budgets.

<http://www.cso.scot.nhs.uk/funding-2/policyresearch/>

Charities co-funding

Partnership arrangements between CSO and medical research charities to support research projects and fellowships.

<http://www.cso.scot.nhs.uk/outputs/cso-funded-research/charity-collaborations/>

NSS – ISD Statisticians Service

Until 2015 CSO provided funding directly to ISD (eDRIS <http://www.isdscotland.org/Products-and-Services/eDRIS/>) to support work on CSO grants. This funding has ceased with eDRIS support on grants funded directly through the grants themselves.

ASM

Applied Stratified Medicine – a call was issued in 2014 inviting applications looking at the potential for the introduction of stratified medicine approaches into clinical practice. A total of 4 projects were funded.

<http://www.cso.scot.nhs.uk/outputs/cso-funded-research/asm/>

HICG

Health Informatics Challenge Grants – a call that was issued in 2014 inviting applications for research to address NHS challenges through health informatics approaches.

<http://www.cso.scot.nhs.uk/outputs/cso-funded-research/higs/>

HERU

Health Economics Research Unit at the University of Aberdeen is a health economics research centre, to deliver applied and methodological work across a broad range of policy-relevant fields including technology assessment, workforce, person-centred care and public health.

<https://www.abdn.ac.uk/heru/>

HSRU

Health Services Research Unit at the University of Aberdeen is a health services research centre that studies and evaluates clinical activities with a view to improving effectiveness and efficiency in health care and to build capacity in health services research through training and other development activities.

<https://www.abdn.ac.uk/hsru/>

NMAHPRU

Nursing, Midwifery and Allied Health Professions Research Unit (NMAHP RU) is a multidisciplinary national research unit with academic bases within Glasgow Caledonian University and the University of Stirling.

<http://www.nmahp-ru.ac.uk/>

IHR

The MRC/CSO Institute of Hearing Research - Scottish Section is a strategic partnership between the Medical Research Council, the Chief Scientist Office and The University of Nottingham.

<http://www.nottingham.ac.uk/mrcihr/>

SPHSU

The MRC/CSO Social and Public Health Science Unit is a partnership between the Medical Research Council, CSO and the University of Glasgow to undertake public health research.

<http://www.gla.ac.uk/researchinstitutes/healthwellbeing/research/mrccsosocialandpublichealthsciencesunit/>

SCPHRP

Scottish Collaboration for Public Health research and Policy is a partnership between the Medical Research Council, CSO and the University of Edinburgh to undertake public health research.

<http://www.scphrp.ac.uk/>

SISCC

Scottish Improvement Science Collaborating Centre is a partnership between Scottish Funding Council, CSO, NHSEducation for Scotland and the Health Foundation to support improvement science in health and social care.

<http://siscc.dundee.ac.uk/>

EHIRC

A partnership between MRC, CSO and other funders to support the development of health informatics research that laid the foundation for the development of the Farr Institute in Scotland

(<http://www.farrinstitute.org/>)

NPRI

National Prevention Research Initiative was a partnership between MRC, CSO and other funders to support research into chronic disease prevention. The initiative started in 2005 and has now completed.

<https://www.mrc.ac.uk/research/initiatives/national-prevention-research-initiative-npri/>

TIRI

UK Clinical Research Collaboration Translational Infection Research Initiative was a partnership of funders to support research into microbiology and infectious diseases in the UK.

<http://www.ukcrc.org/research-coordination/joint-funding-initiatives/microbiology-and-infectious-diseases-research-funding/>

Lifelong Health & Wellbeing

St Andrew's House, Regent Road, Edinburgh EH1 3DG

www.gov.scot



The Lifelong Health and Wellbeing was a partnership between, MRC, CSO and other funders has now completed in 2015 to support research addressing factors throughout life that influenced health and wellbeing in older age.

<https://www.mrc.ac.uk/research/initiatives/lifelong-health-wellbeing/>

CGA

Catalytic Grant Awards – scheme launched in 2016. Provides funding of up to £35,000 for short projects to provide key supporting evidence to underpin already well formulated plans for subsequent applications to other research funders.

<http://www.cso.scot.nhs.uk/funding-2/development-work/>

Scottish Genomes Partnership

A partnership for Scottish Universities and the NHS Scotland genetics services funded by CSO and the Medical Research Council to support genomics research in Scotland and a rare disease genomics collaboration with Genomics England.

<https://www.scottishgenomespartnership.org/>

NIHR/NETSCC

Contribution to four National Institute of Health Research (<https://www.nihr.ac.uk/>) programmes managed by the NIHR Evaluation, Trials and Studies Coordinating Centre. This allows research based in Scotland to apply for funding for the following schemes:

- [Efficacy and Mechanism Evaluation Programme](#)
- [Health Services and Delivery Research Programme](#) (researcher led scheme only)
- [Health Technology Assessment Programme](#)
- [Public Health Research Programme](#)

SHARE

The Scottish Health Research Register - a register of people interested in participating in health research and who agree to allow SHARE to use the coded data in their various NHS computer records to check whether they might be suitable for health research studies.

<https://www.registerforshare.org/>

ISD Safe Haven – NSS

To support a national data safe haven for the safe and secure provision and linkage of deidentified data from national health data sets for approved research.

NRS Biorepositories accreditation – Healthcare Improvement Scotland

To support Healthcare Improvement Scotland-run accreditation scheme for NHS human tissue banks in Scotland to provide assurance to the public and research community that human tissue is collected, stored and used appropriately for health research.

http://www.healthcareimprovementscotland.org/our_work/governance_and_assurance/human_tissue_bank_s.aspx

Allocations to Health Boards

CSO invests ~£40m each year to support NHS Research Scotland to conduct research. The purpose of the principal funding streams is set-out below:

- NRS Researcher Support – this is used to “buy-out” clinician time to enable them to conduct research.
- NRS Service Support – is used to reimburse the additional patient care costs to the NHS arising as a result of supporting external research.
- NRS Infrastructure – this pays for underpinning NHS infrastructure staff to support studies (e.g. research nurses, pharmacists, radiologists, statisticians etc.). It also funds the NRS disease

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specific research networks in areas such as cancer, dementia and diabetes as well as NRS biorepositories and data safe havens.

- NRS Career Research Fellowships – this funding stream provides protected time for new research active NHS clinicians to engage in clinical research.
- NRS R&D Management – this funds the staff who manage studies (e.g. costing, liaising with funders, monitoring etc.).

Change Log

V1.0	4 August 2017	Initial Version
V1.1	4 August 2017	Explanatory notes added – AmcN and TB