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“Statistics for the Terrified” – An Introduction to Medical Statistics

Date: Wednesday 12 th January
Time: 09.30 – 12.30
Venue: Microsoft Teams

This workshop is directed at those with no knowledge of statistics who require a better understanding of how statistics can be used to describe and summarise data. The level of presentation is very basic and we use examples throughout to illustrate the procedures and concepts. At the end of the 3-hour workshop those attending should be able to:

- Describe different data types
- Describe measures of ‘location’ (also known as ‘central tendency’) and variability (spread) appropriate to the distribution of the data
- Describe the features of the Normal distribution and the t-distribution together with aspects of their application
- Understand the ‘standard deviation’
Derive and interpret confidence intervals for continuous data and proportions

“Making Sense of Numbers” (Interpretation of Data)”

Date: Wednesday 26 th January
Time: 9.30 – 12.30
Venue: Microsoft Teams

This workshop runs twice a year and is directed at those who need to interpret numbers but have little or no knowledge of statistics. The content is appropriate for those who may need to critically appraise published (quantitative) articles. The focus is on interpreting rather than generating the results of a statistical analysis. Examples are used throughout and at the end of the workshop those attending should be able to:

- Distinguish between absolute and relative measures
- Describe and interpret a confidence interval
- Explain the distinction between confidence intervals and P-values
- Interpret the results of one-sample, unmatched and paired t-tests
- Understand the limitations of the t-test
- Make sense of data presented in graphical presentations
- Understand the concept of linear correlation
- Interpret the chi-square test for comparing proportions
- Interpret and make sense of the results from a randomised control trial.

❖ R&D Education Programme

“Full GCP Training (Good Clinical Practice)”

Date: Wednesday 02 nd February
Time: 9.30 – 16.30
Venue: Common Room, QMH

This full day workshop is appropriate for staff who need to be familiar with Good Clinical Practice (for research) and may need to be fully trained in the more rigorous requirements of a clinical trial of an investigational medicinal product (CTIMP). The course is aimed at those staff undertaking both low risk projects (e.g. studies using questionnaires only) and high risk projects such as drug trials. At the end of the course those attending should be able to:

- *Appreciate the need for regulation of clinical research*
- *Understand the UK legislative framework for CTIMPs*
- *Be familiar with the principles & conditions of Good Clinical Practice*
- *Understand the practicalities of demonstrating GCP compliance.*

“Critical Appraisal: Making Sense of Other People’s Research”

Date: Thursday 17 th February
Time: 9.30 – 12.30
Venue: Microsoft Teams

This workshop is designed to help health care staff identify the strengths and weaknesses of research papers. This is particularly important for staff planning services and deciding when to change practice as these decisions should be based on robust evidence. The course will also help those designing their own projects and writing up their results in ad hoc reports and peer-reviewed papers. At the end of the course those attending should be able to:

- *Define what is meant by critical appraisal*
- *Describe the key features of quantitative & qualitative research*
- *Understand the strengths & weaknesses of different quantitative studies / designs*
- *Identify the correct study design for a given research question*
- *Be familiar with the hierarchy of evidence*
- *Be familiar with critical appraisal check lists*
- *Have an understanding of sources of bias*
- *Gain practical experience in critical appraisal of a research paper*

Reproductive Health & Childbirth



REPRODUCTIVE HEALTH
AND CHILDBIRTH

Update from NRS Reproductive Health and Childbirth Specialty Group November 2021

The Northern Lights (*Aurora borealis*) are best viewed on clear
autumn and winter nights in Northern Scotland



NIHR | National Institute
for Health Research

Managed Recovery Performance Monitoring

Delivery of commercial contract NIHR CRN Portfolio studies is a key focus for the NIHR CRN, with a significant spotlight on studies within managed recovery. The NIHR CRN should provide support to deliver commercial managed recovery studies in line with sponsor agreed national targets and timelines. To see full document, please copy this link in your browser:

<https://docs.google.com/document/d/1sNYVJkMs2Xqv3f7UCRAm4XPI8eRRixXYaQzbuXOLH3I/edit>

Roll out of the Non-commercial Portfolio Application service to social care and public health studies

From the 10 November 2021 non-commercial studies that do not require HRA Approval (i.e. those taking place in public health and social care settings) should apply for CRN support via the Non-commercial Portfolio Application service in CPMS. To see full document that outlines the new service and the changes, please copy this link in your browser:

<https://docs.google.com/document/d/1fjwHnhacVDM-8R1V4OcVAnH-zKqn4zIDDiHa0LKY-pQ/edit>

Associate PI Scheme Launch Event, 3rd Nov 2021. Recording available

Please find below the link to the recording, please forward to colleagues who may be interested in participating in the scheme.

Website: associatepilaunch.com

Password: AssociatePI

New guidance published on set up of interventional research activity at NHS/HSC organisations



The Health Research Authority (HRA), alongside the devolved administrations, have published new guidance to support the set-up of interventional research projects research activity at NHS/HSC organisations.

[IRAS Help - Preparing & submitting applications - Interventional Research \(myresearchproject.org.uk\)](https://myresearchproject.org.uk)

The NIHR 2021 Reproductive Health and Childbirth Symposium: Growth, progress and positive change, 5th Nov 2021. Recording available

NIHR | National Institute
for Health Research

The recorded symposium can be accessed on www.rhandcvirtual.co.uk; Password – Symposium21

This Symposium was organised by the NIHR Reproductive Health and Childbirth National Research Champions (RHC-NRC) group, this group is a national network of midwives and nurses representing all Clinical Research Network regions and the devolved nations. [Please see vacancy below if you are interested in being part of this group.](#)

Reproductive Health & Childbirth



REPRODUCTIVE HEALTH
AND CHILDBIRTH

NRS Reproductive Health and Childbirth Advisory Group

Vacancy: Lead Research Midwife/ Nurse

The NRS Reproductive Health and Childbirth Advisory Group consists of local champions from each Health Board and representatives from Sexual and Reproductive Health, Midwifery, Nursing and Trainees.

The NRS Clinical Research Lead (Professor Abha Maheshwari) will put forward the NRS lead midwife/nurse candidate for membership to the National NIHR RHC-NRC Group to represent Scotland.

If you are a research midwife/ nurse interested in joining the Advisory group please let Abha (abha.maheshwari@abdn.ac.uk) or Txaro (maria.amezaga@nhs.net) know and we will send you the details.

Please include a brief CV and a short paragraph indicating why you would like to join the group.



REPRODUCTIVE HEALTH
AND CHILDBIRTH

“Healthcare professionals’ experiences on delivering unexpected news in pregnancy” Survey

Please complete/ disseminate this short survey as appropriate and share with relevant members of your team. This should take *less than 3 minutes* to complete.

The aim of this survey is to find out how healthcare professionals (HCPs) who work in the field of Fetal Medicine within the NHS deal with delivering unexpected news to pregnant women and their significant others.

CSO Launches New Postdoctoral scheme to support Early Career Health Researchers

– Chief Scientist Office (scot.nhs.uk) Deadline 16th March 2022

For full details please visit [Early Postdoctoral Fellowship – Chief Scientist Office \(scot.nhs.uk\)](http://Early Postdoctoral Fellowship – Chief Scientist Office (scot.nhs.uk))



GOOD NEWS STORIES

NHS Grampian will be the first recruiting site to open the CERM Trial in Scotland

The CERM Trial. Chronic Endometritis and Recurrent Miscarriage.

CPMS ID 42757, IRAS 251756.

Chief Investigator: Professor Siobhan Quenby, University Hospitals Coventry & Warwickshire NHS Trust. Funder: NIHR EME Programme.

For more information please visit:

<https://warwick.ac.uk/fac/sci/med/research/ctu/trials/cerm/>



Grampian team, from left: Dr Andrea Woolner (PI), research nurses Laura Naylor and Nataleigh McGonagle



Reproductive Health & Childbirth

“The Power of Collaboration”



Dr Sohinee Bhattacharya (University of Aberdeen) and team, in collaboration with centres in Finland and Malta have recently published three papers, using routinely collected perinatal data from Aberdeen, Finland and Malta.

In the first publication the effects of changes in risk factors between the first two pregnancies on the occurrence of placental abruption were evaluated. [Full article- PLOS ONE.](#)

A second paper aimed to assess the effect of interpregnancy BMI change on the risk of perinatal complications in the second pregnancy. [Full article- Int J.Obes.](#)

The third paper “Risk of Recurrent Stillbirth in Subsequent Pregnancies” which compares the prospective risk of stillbirth between women with and without a stillbirth in their first pregnancy, is scheduled to be published in the January 2022 issue of *Obstetrics & Gynecology*. It will be published ahead of print on December 2, 2021 (after 5:00 pm ET). At that time, you will find the article online at <http://journals.lww.com/greenjournal/toc/publishahead>.



NEW NRS REPRODUCTIVE HEALTH AND CHILDBIRTH WEBPAGE



We have updated the NRS webpage for the Specialty, please visit: [Reproductive Health and Childbirth | NHS Research Scotland | NHS Research Scotland.](#)

There is a [Study Portfolio Section](#), which features in collapsible tabs some of the current Portfolio studies in different areas of research.

In addition, please find Eligible Studies Active in Scotland per Health Board [here](#), data cut 25/11/2021.

Please note that Eligible studies are supported by a funder which appears on the [CSO Eligible Funders list](#).

The monthly Newsletter can be accessed via the webpage in collapsible tabs:

[Newsletters and Resources Section](#)

For queries and feedback please contact:

Abha (abha.maheshwari@abdn.ac.uk), NRS Clinical Research Lead, or

Txaro (maria.amezaga@nhs.scot), NRS Champion Support Manager





NHS RESEARCH SCOTLAND

Research Bulletin - November 2021 (Issue 69)

Patients and participants are the foundation of clinical research. Without them research can't happen, and healthcare can't improve. This is a cornerstone of the [UK vision for clinical research](#) and a range of important developments are underway to create a patient-centred clinical research environment.

Working with the Health Research Authority (HRA) and devolved administrations, [new guidance to support the set up of interventional research projects](#) at NHS and health and social care organisations has been published. The guidance is designed to bring research to patients by helping sponsors design and manage studies around the patient, and empower those who design research to put the participant, not the site, at the heart of study delivery. [The first Make It Public annual report](#) has also been published by HRA, committing to driving change across four pillars of research transparency: registering research; reporting results; informing participants; and sharing tissue and data; and NHS Research Scotland has also joined with HRA and partners across the sector to [help fully integrate public involvement](#) into all UK health and social care research.

Also this month, the Glasgow Clinical Research Facility (GCRF) has won [the 'Student Placement of the Year: Hospital'](#) award at the Student Nursing Times Awards 2021; [New members are wanted for the NHS Research Ethics Committees](#), including both health professionals and members of the public; CSO has launched a [new Postdoctoral scheme](#) to support early career health researchers; a [series of CTIMP webinars](#) will take place in December for the different user groups involved; NIHR are seeking to appoint a [Transitional Supportive and Palliative Care Lead](#), as well as [Nursing and Midwifery Fellows](#); the National Cancer Research Institute is [offering proposal guidance meetings](#) to help investigators improve their proposals; and new reports on CSO funded research projects published this month include the [CISCO-19 project looking at heart damage amongst those with COVID-19](#), and research into [new anti-infective agents at the University of Strathclyde](#).

We hope you find this issue useful and as always, your ideas, feedback and contributions are welcome



New Guidance - Interventional research projects

New guidance to support the set-up of interventional research projects at NHS/HSC organisations has been published. This UK-wide guidance is a collaborative production between the Health Research Authority (HRA), the devolved administrations and the Medicines and Healthcare products Regulatory Agency (MHRA). [Read more](#)



CTIMP Webinars now available

The Health Research Authority are running a series of free, live webinars during December. They are designed to help different user groups involved in CTIMPs prepare for the transition to combined review. [Read more and register](#)

❖ NHS Scotland Research Bulletin



NIHR Transitional Supportive and Palliative Care Lead now open for applications

NIHR are looking to appoint a Care Lead who will have the specific role of supporting research in supportive, palliative, end-of-life and bereavement care in the hospice and community setting. [Read more and apply](#)



NIHR seeks Nursing & Midwifery Clinical Fellows

The National Institute for Health Research is seeking three outstanding leaders to shape and deliver strategic career initiatives for nurses and midwives as part of the ongoing evolution of the NIHR. [Read more and apply](#)



CSO Launches New Postdoctoral scheme to support Early Career Health Researchers

The scheme is looking for applications from both clinical and non clinical researchers who propose a project within CSO's overall remit. The application deadline is Wednesday 16th March 2022. [Read more](#)



New Members Wanted for NHS RECs

NHS Research Ethics Committees (RECs) are recruiting new members to review applications for research studies. Both registered healthcare professionals and interested members of the public are encouraged to apply. [Read more and apply](#)



GCRF wins Student Nursing Times Award 2021

The Glasgow Clinical Research Facility (GCRF) has been credited for its exceptional student placement programme, winning the "Student Placement of the Year: Hospital" at the Student Nursing Times Awards 2021. [Read more](#)



Make It Public - Annual Report now published

The first Make it Public annual report has been published. The strategy commits to driving change across the four pillars of research transparency: registering research, reporting results, informing participants, and sharing tissue and data. [Read more](#)

❖ NHS Scotland Research Bulletin



Improving Public Involvement

NHS Research Scotland has joined with the Health Research Authority (HRA) and key players from across the research sector to help fully integrate public involvement into all UK health and social care research. The group is working together to help address key findings from the Public Involvement in a Pandemic report. [Read more](#)



NCRI offers proposal guidance meetings

National Cancer Research Institute Proposal Guidance meetings offer investigators the opportunity to submit their study proposals for review and receive detailed written feedback to assist them. [Read more](#)



Research Published: Strathclyde Minor Groove Binders

Chemists at the University of Strathclyde have published research into Strathclyde Minor Groove Binders (S-MGBs), a completely new class of anti-infective agent, which may have clinically relevant activity against COVID-19. [Read More](#)



Research Published: Cardiac Imaging in SARS Coronavirus disease-19 (CISCO-19):

Researchers at the University of Glasgow have found that heart injury is common amongst patients with COVID-19, with around 1 in 8 suffering heart injury. [Read more](#)



[View this newsletter online](#)



Newsletter—November 2021

Welcome to our monthly newsletter

Funded through the Chief Scientist’s Office, Health Innovation South East Scotland (HISES) forms part of national network created to deliver the Scottish Government’s vision to utilise the innovation process to deliver a healthier and wealthier nation for the future.

Formed through a collaboration of three NHS Boards — Borders, Fife and Lothian, with the latter taking on the role of lead host Board, HISES has a pivotal role in delivering innovative solutions to the health and social challenges, both regionally and nationally. Need to contact us? Get in touch

Innovations@nhslothian.scot.nhs.uk



Innovation Call: Sustainability

Do you have an innovative idea?

to help NHS Scotland adapt, develop and strengthen

in response to climate change?

Submit now at www.shil.co.uk/sustainability

[SHIL Sustainability innovation call - now live!](#)

Scottish Health Innovations Ltd (SHIL) is seeking sustainable, forward-thinking ideas from health and social care professionals that can help support NHS Scotland to adapt, develop and strengthen in response to climate change.

The innovation call is open to anyone working across NHS Scotland and offers a package of support including:

- up to £25,000 of initial funding
- regulatory support
- project management
- extensive innovation expertise

A virtual briefing event will run on Thursday 9 December at 10am – register your attendance [here](#).

❖ Health Innovation South East Scotland



[Scottish Knowledge Exchange Awards launched](#)

The Scottish Knowledge Exchange Awards recently launched to find and celebrate the exceptional work achieved through academic and business partnerships.

Hosted by Interface, the business-academic match-maker in Scotland, the awards ceremony will be held on 17th March 2022.

Applications are being invited in eight categories – from businesses, social enterprises, public sector organisations, third sector, universities, research institutes, innovation centres and colleges that are leading the way towards economic growth, societal improvements, and environmental advances in Scotland and beyond.

Either academics or businesses can apply. Deadline for applications is 5pm on Friday 14th January 2022.

[Register now](#)



[Scottish Government and COSLA launch their refreshed Digital Health & Care Strategy](#)

The refreshed Digital Health and Care Strategy has recently been released which sets out how we will work together to improve the care and wellbeing of people in Scotland by making best use of digital technologies in the design and delivery of services, in a way, place and time that works best for them.

[Read more](#)



[Baby steps to cutting NHS Scotland's carbon footprint](#)

NHS Lothian Midwives at St John's hospital are using a new machine, developed in Sweden, to destroy the nitrous oxide and convert it back into harmless gases.

Current practice is to pump the waste gases out of the hospital and release them into the atmosphere. But in St John's four operating theatres, another innovation is being used to reduce those emissions as the new system captures the excess gases and stops them from escaping. This maternity unit is the only one in Scotland, and the second in the UK, to trial the technology. The hope is that it will be more widely used in future.

[Read more](#)

❖ Health Innovation South East Scotland



[Latest funding opportunities](#)

Check out the latest health and care funding opportunities from across the sector on the funding section of our website.

[Read more](#)



[Connect with HISES](#)

Keep up-to-date with our latest news and follow us by [Twitter](#).

To feedback or submit content for our e-newsletter, [email us](#) before the last Friday of each month.

If you like our newsletter, share it with colleagues, friends or family who would benefit from knowing what is going on in the world of innovation in health and care.

[View this email in your browser](#)



Whilst the staging of [COP26](#) in Glasgow might now be over, focus now turns to ensuring a positive legacy from the 26th UN Climate Change Conference.

'A **climate crisis is a health crisis**' and we must all reflect on how we can leave a legacy of a sustainable health service for future generations. Keeping our communities healthy is why the NHS exists and to do this we need a world where we protect our environment and reflect on how we use natural resources. This approach is the foundation for [SHIL's latest innovation call on sustainability](#).

"Innovation that achieves sustainable outcomes can, and should be, entirely complementary to the enduring everyday drive for healthcare excellence. That's why our sustainability call is so important at this time."

Graham Watson, Executive Chairman, SHIL

The innovation call is open to anyone working across NHS Scotland and offers a package of funding, regulatory and project management support. An [online briefing event](#) will be held on 9 December to explain the call, provide inspiration and answer questions. With the backing of sustainability leads across Scotland, and supporting ambitions of the [NHS Scotland climate emergency and sustainability strategy](#), (currently open for consultation), we encourage you to register and consider forward-thinking ideas that can help support NHS Scotland to adapt, develop and strengthen in response to climate change.

Also this month, SHIL teamed up with NHS Greater Glasgow and Clyde's Medical Devices Unit to host [Understanding medical device regulation: An introduction for innovators](#) – if you missed it you can now watch on demand. The SHIL-supported [SARUS-CPR hood has to be formally adopted into clinical practice](#) after a positive report by the Scottish Health Technologies Group (SHTG) and writing for [FutureScot on Global Entrepreneurship week](#). Graham Watson, Executive Chairman at SHIL salutes the skills, energy and drive of the NHS workforce describing them as the lifeblood of NHS Scotland's innovation-led future.

We hope you enjoy this issue of INSIGHT. As always we develop our publications based on your feedback, so please get in touch via info@shil.co.uk and don't forget to follow @ScotHealthInno for daily health innovation news and insight.

www.shil.co.uk

@ScotHealthInno

info@shil.co.uk

YouTube



Learn more about SHIL's latest innovation call at a [briefing event](#) on 9 December. It will provide inspiration, support and guidance to encourage health and social care professionals to develop innovative, green and more environmentally sustainable health solutions. [Register](#)



Shining the spotlight on the [need for a more sustainably-focussed healthcare system](#), Graham Watson, Executive Chairman at SHIL talks to Holyrood about improving vital patient care, while achieving major lasting environmental and financial benefits. [Read more](#)

❖ INSIGHT

<https://mailchi.mp/2436cf442d05/insight-by-shil-6802366>



Think early about how devices, apps or diagnostic tools **can meet the expectations of regulators** is the message from Elaine Gemmell, Head of Regulatory Affairs at SHIL. Read more in [Healthandcare.scot](#) and [MedTech Innovation News](#)



If you missed our recent webinar - **Understanding medical device regulation: An introduction for innovators** – you can now watch on demand. Full of useful content from SHIL and NHS Greater Glasgow and Clyde's Medical Devices Unit. [Watch now](#)



Dr Neil Patel, Consultant Neonatologist at Glasgow's Royal Hospital for Children, writes for The Herald about inspiring the next generation of **innovation in women's and children's care**. [Read more](#)



The second session of the **Inspiring Innovation in Women's and Children's Care** event will be held virtually on Tuesday 7 December, featuring national and international speakers. [Register now](#)



The **SARUS-CPR hood is to be formally adopted into clinical practice** after positive report by the Scottish Health Technologies Group (SHTG). The SARUS-CPR hood was invented by NHS Tayside, in collaboration with SHIL and Keela International. [Read more](#)



During **Global Entrepreneurship Week**, Graham Watson, Executive Chairman at SHIL takes the opportunity to salute our NHS intrapreneurs' skills, energy, and drive describing them as the lifeblood of NHS Scotland's innovation-led future. [Read more](#)

❖ SHARE Symposium



Dear Researchers,

NHS SHARE, The Scottish Health Research Register and Biobank, is pleased to invite you to our inaugural symposium on **Wednesday 19th January 2022, 1pm to 3pm**. The theme of this event is 'Tomorrow's Medical World'. You will shortly receive a Teams Calendar Invite with the link to join the event; please share this link with your colleagues.

SHARE is a valuable resource for researchers, assisting recruitment to studies by providing suitable volunteers matching eligibility criteria. Researchers can also apply to obtain anonymised samples and genomic information to assist with projects.

We are pleased to announce five guest speakers in the field of research are willing to share their experiences; please see the attached Programme.

A Certificate of Attendance will be issued; this may be used towards any CPD points.

We look forward to seeing you on Wednesday 19th January 2022.

With kind regards,

The SHARE Team

SHARE, The Scottish Health Research Register and Biobank
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SHARE Symposium

SHARE ONLINE SYMPOSIUM SERIES:

Tomorrow's Medical World

Wednesday 19th January 2022, 1 – 3pm



Welcome to SHARE's inaugural online Symposium event; thank you for your participation.

- 13:00** **Chairperson's welcome**
Chloë Cowan
Senior R&I Manager, Research & Innovation, NHS GGC
- 13:10** **EpitopePredikt – Artificial Intelligence in development of game-changing COVID antibody test**
Professor Mirela Delibegovic
Dean for Industrial Engagement in Research & Knowledge Transfer, UoA
- 13:30** **'The Living Laboratory for Precision Medicine': A flagship initiative for delivering health improvement and inclusive growth**
Dr Carol Clugston
Dean of Corporate Engagement and Enterprise, UoG
- 13:50** **SHARE – the Scottish Health Research Register and Biobank**
Professor Brian McKinstry
Professor Emeritus Primary Care eHealth, UoE & SHARE Director
Professor Colin Palmer
Associate Dean for Research, Chair of Pharmacogenomics, UoD & SHARE Director
- 14:10** **'Mental health research and the electronic health record'**
Professor Andrew McIntosh
Professor of Biological Psychiatry, Centre for Clinical Brain Sciences, UoE
- 14:30** **Computed Tomography Coronary Angiography for the Prevention of Myocardial Infarction (The SCOT-HEART 2 Trial)**
Professor David Newby
BHF Duke of Edinburgh Chair of Cardiology, UoE
- 14:50** **Chairperson's closing remarks**
- 15:00** **Close**

If you have a project you would like to seek SHARE's assistance on, or if you are interested in speaking at a future SHARE Symposium event, please get in touch to discuss further on 01382 383230.

www.registerforshare.org enquiries@registerforshare.org

