



Research Networking Event

26th November 2025



When you arrive, please put your name, role and organisation in the chat box



Dr Sharin Baldwin | iHV Senior Health Visiting Research Lead

Dr Louisa Clifford-Taylor | iHV Research Associate

Welcome

On arrival, please add your name, role and organisation to the chat box



Time for you - Enjoy!



Share experiences and network

- Unmute yourself to engage in the discussions anytime. Please stay muted when you are not speaking to avoid background noises.
- We encourage you to have your camera on so we can connect with each other.
- Type questions in the chat box during the presentations. We can use these to shape discussions.



Feedback

- Participate in the poll
- Contact sharin.baldwin@ihv.org.uk



Agenda

09:30 Welcome and introductions

Sharin Baldwin | Senior Health Visitor Research Lead, IHV

09:35 Research Presentation

Christopher Sweeney, Health Visitor and Clinical Academic Fellow, Edinburgh University

10:05 Networking: Research highlights for 2025 and priorities for 2026

All

10:40 Break

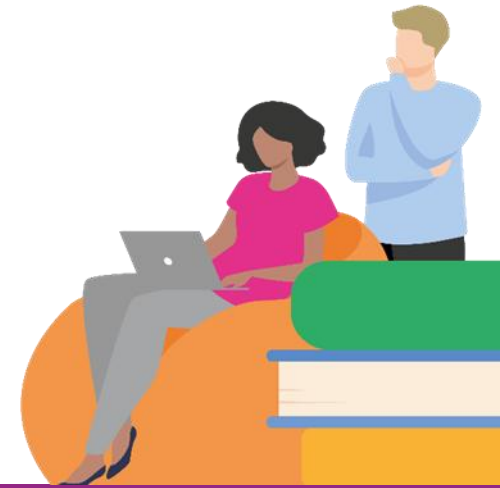
10:50 Presentation

Professor Ruth Endacott, Director of Nursing and Midwifery, NIHR

11:20 AOB and close



Parachute study



You can ask questions by using the chat function or simply raising your hand.

Christopher Sweeney

Health Visitor and Clinical Academic Fellow,
Edinburgh University

Parachute study

Parental advice and urgent care

Christopher Sweeney

cjhsweeney@gmail.com

Health visitor and clinical academic fellow

How **new parents** use their **personal networks** when responding to childhood illness and accessing **urgent care**



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Why this topic matters



- UK A&E attendances are rising faster than population growth (Baker, 2017)
- Children under 1 are the most likely to attend A&E and receive treatment, advice, or a referral they could have received elsewhere (Simpson et al., 2022)
- Deciding when to seek UUC is a social process; friends and family before the ED (Hendry and Beattie, 2005; Neill et al., 2013; McKenna et al., 2020)



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Aims



1. Explore how new parents in Scotland seek support when their infant is unwell.
2. Examine how parents use personal networks when deciding to access unscheduled care.
3. **Assess the impact of NHS home visiting programmes on parental support networks.**



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Participants

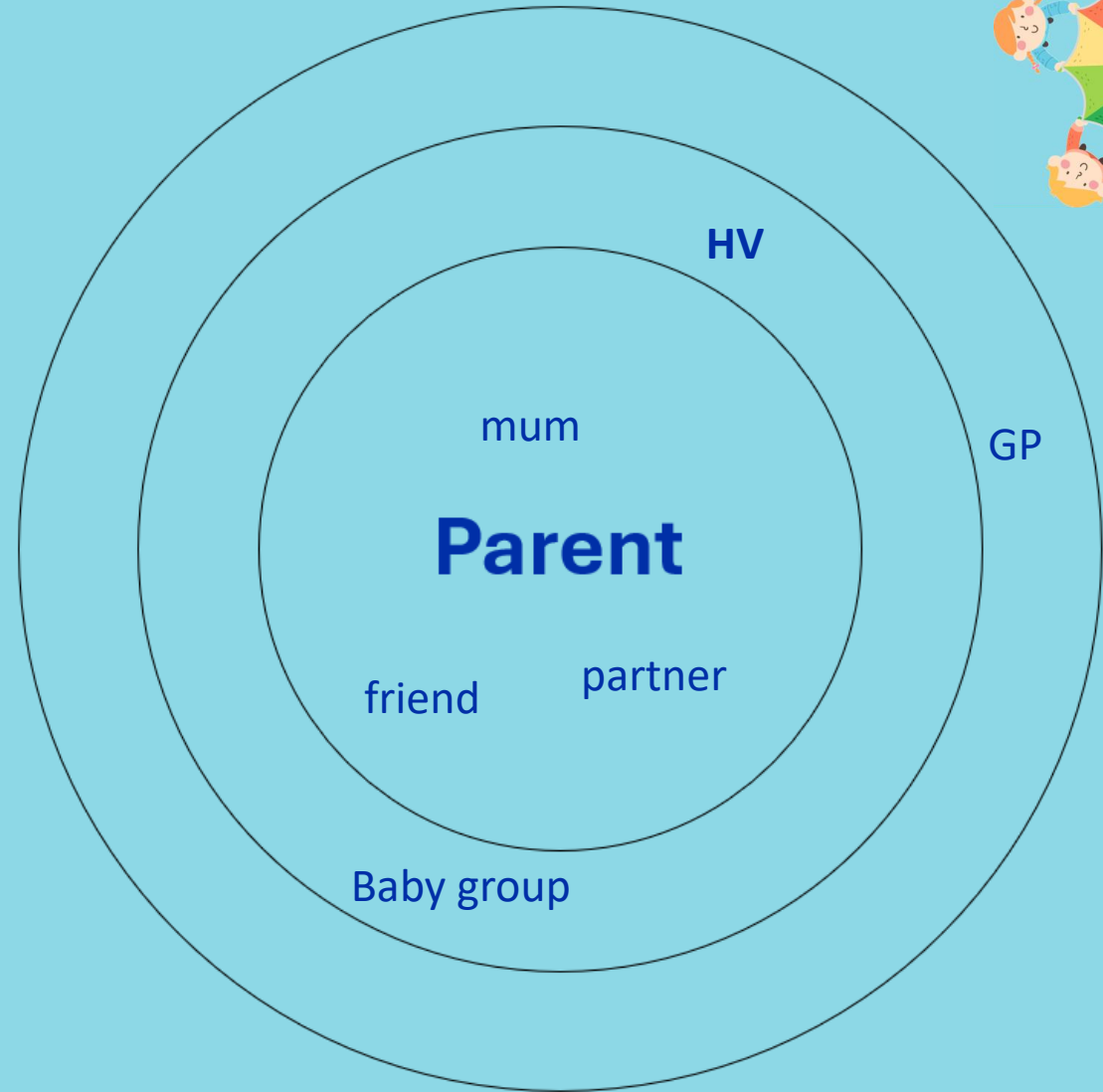


- 18 new parents whose child was under one year at time of interview
- 8 fathers, 10 mothers
- Recruited from parenting groups and charities



Parachute study Interview

- List who they talk to about their child's health
- Describe last time they spoke to someone
- Scenarios; well and unwell child



Parachute study Analysis



- Structural data
- Inductive coding (patterns from text)
- Deductive coding (social support theory)



Parachute study

Structural data - who is in parents' networks



- 18 parents named 146 people
- Family (n=69), friends (n=21), parent peers (n=19)
- Most people named were parents (74%)
- Mothers had larger networks (n=9.3) compared to fathers (n=6.63)
- Mothers more likely to name a HV and GP (n=9/10, 8/10) compared to fathers (n=2/8, 5/8)



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Inductive coding (patterns from text)



“My health visitors have changed all the time, I don't really have like, a specific contact ...when I've phoned, it's gone to like the answer machine and they eventually called me back... if I was worried and they're [in an] acute situation, I'd phone the GP first. Because I could know I could speak to them sooner than the health visitor.”

Charlotte, mother of an 8-month-old

Codes; **‘continuity of care’** and **‘availability’**

Theme; **‘trust’**



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Deductive coding (social support theory)



“Sometimes when we're unsure you know we take a picture [and ask the health visitor] is this normal?”

Rory, father of a 7-month-old

Code; ‘reassurance’

Theme; ‘emotional support’



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How I conceptualise trust



- Traditional definitions focus on confidence in professionals, organisations, and health insurance
- My interest is in *how* trust is built between health visitors and parent
- Shapiro et al. (1992) identify mechanisms of trust-building:
 - Deterrence-based
 - Knowledge-based



Building trust



Deterrence based:

- Repeated interactions (continuity of care)
- Multifaceted relationships (NHS is connected)

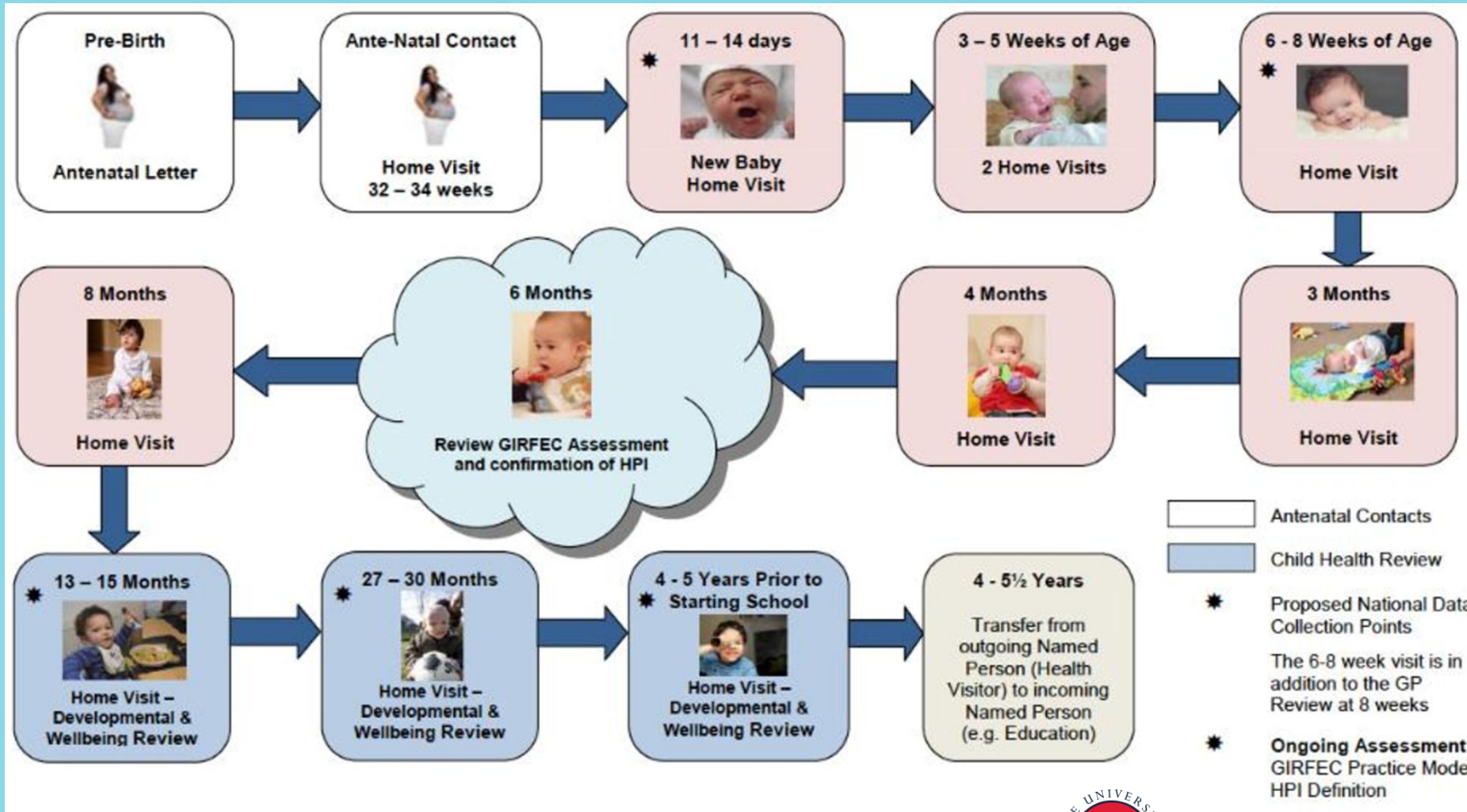
Knowledge based:

- Regular communication (meeting outside of a problem)
- Courtship (learning about the other person)



Parachute study

Knowledge based trust – regular communication



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When trust is not established



...she doesn't reply to messages, so I'd message her, and I probably wouldn't hear back from her for a while...I know I can contact my health visitor, I just probably wouldn't...it would probably more be, like, my mum, my sister-in-law, obviously my sister, the doctor, and then obviously the hospital, I suppose"

(Ava, mother of an 11 month old)



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When trust is established



*“it's just that breaking the ice and that kind of friendliness that makes you warm to them and makes **you feel more comfortable to say, OK, actually, he's got a rash. What do I do about that?**”*

(Hannah, mother of a 6-month-old)



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What trust does

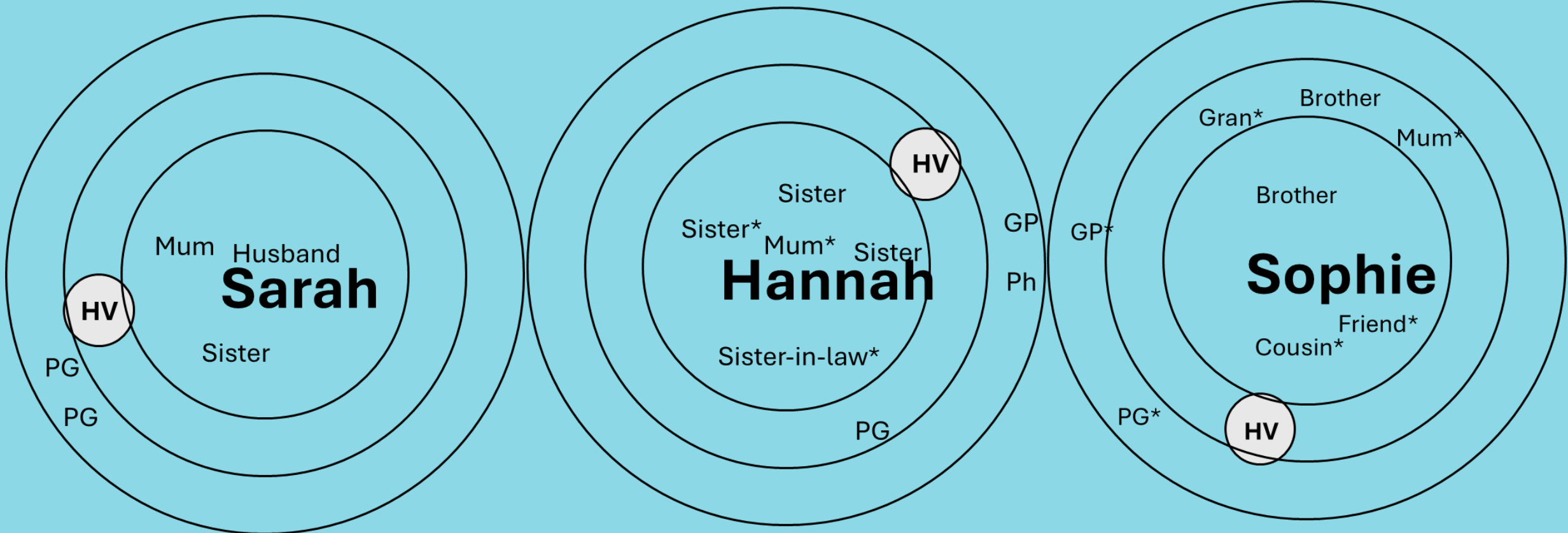


- Encourages parents to approach the health visitor over other services
- Shifts the health visitors position in the network
- Expands support within the network



Parachute study

When trust is established



Parachute study

Health visitors - support



- When trust is established, health visitors can increase the availability of social support
- **Provide** direct emotional and appraisal support
- **Mobilise** parents to access support
- **Broker** links to peer groups and services



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Thematic analysis – provide support



“Sometimes when we're unsure you know we take a picture [and ask the health visitor] is this normal?”

Rory, father of a 7-month-old



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Health visitors - mobilise support



“So I phoned the health visitor who got back to me and advised probably to make a GP appointment”

(Charlotte, mother of an 8-month-old)



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Health visitors - broker support



“...she's kind of connected me to like other local services and things like that. And other groups where we can go to support”.

(Alice, mother of a 5-month-old)



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Parachute study Implications



- Mobilisation and brokerage allowed parent to learn when and how to navigate unscheduled care
- This support also provided legitimacy, protecting parents from feeling judged or criticised for doing so

“Maybe if she was a bit younger... we sort of know what we are doing now and we can deal with it ourselves... health visitors are great to start with.”

(Oliver, father of an 11-month-old)



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Summary

Trust enables health visitors to:



- **Provide** emotional and appraisal support directly
- **Mobilise** support by encouraging parents to access services
- **Broker** support by referring parents to appropriate sources
- **Model** how and when to approach urgent care
- **Offer legitimacy** when parents need to access services, reducing fear of judgement
- **Expand** the support available to parents through their networks



Recommendations for practice

Creating trust with parents



Prioritise continuity of care (deterrence-based trust):

- Where appropriate, consider whether a contact can wait until the usual HV returns

Increase opportunities for knowledge-based trust:

- Create contact outside of problems: brief check-ins, phone calls, presence at parenting groups
- Consider a set advice line, duty phone, or telephone hub when remote working or hot-desking
- Clearly communicate how and when parents can make contact



Recommendations for practice

Creating trust amongst professionals



Prioritise continuity of care (deterrence-based trust):

- Working with the same people; social workers, GP's etc.

Increase opportunities for knowledge-based trust:

- Create contact outside of problems: proximity, shared spaces, training
- Clearly communicate roles and contact routes across teams



Conclusion



- Deterrence- and knowledge-based trust shape whether parents engage with their health visitor
- When trust is established, HVs can provide, mobilise, and broker support
- Through these interactions, parents learn how and when to approach urgent care
- HV endorsement gives parents legitimacy when accessing services, reducing fear of judgement
- Together, these processes help parents use urgent and unscheduled care appropriately and confidently



Q&A



Networking: Research highlights for 2025 and priorities for 2026

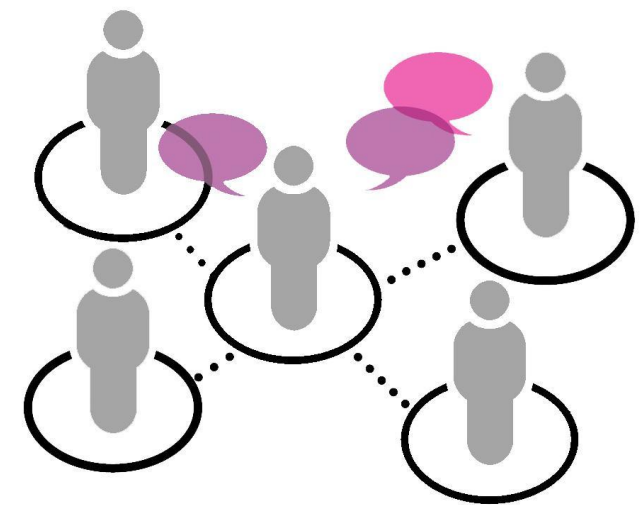


You can ask questions by using the chat function or simply raising your hand.

Facilitated Discussion

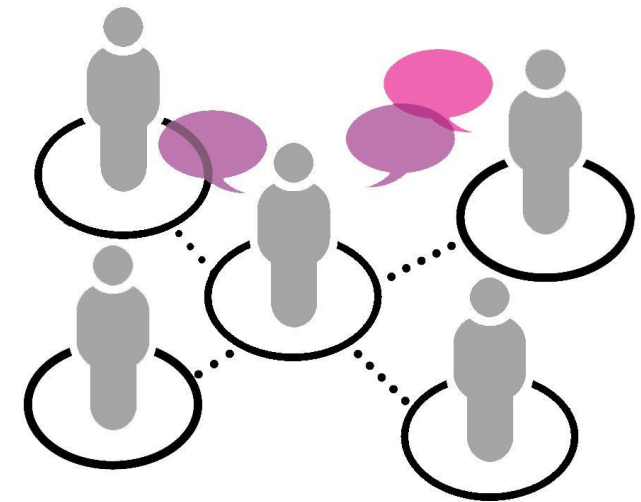
You will now be directed to breakout rooms.

Facilitators will be asked to feedback key discussion points when we return to the main session

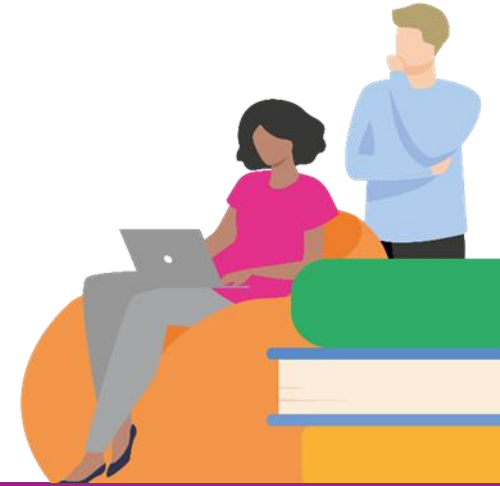


Welcome back

Facilitators will be asked to feedback key discussion points when we return to the main session



Writing a conference abstract and designing a poster



You can ask questions by using the chat function or simply raising your hand.

Professor Ruth Endacott
Director of Nursing and Midwifery, NIHR

Writing a conference abstract⁺ and designing a poster



Professor Ruth Endacott, NIHR Director of Nursing and Midwifery



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Health and Care Research

Do not use

Objectives



Appreciate the key decisions to be made before writing a conference abstract



Understand how to make an impact in 250 words



Review a range of approaches to poster design

Do not use

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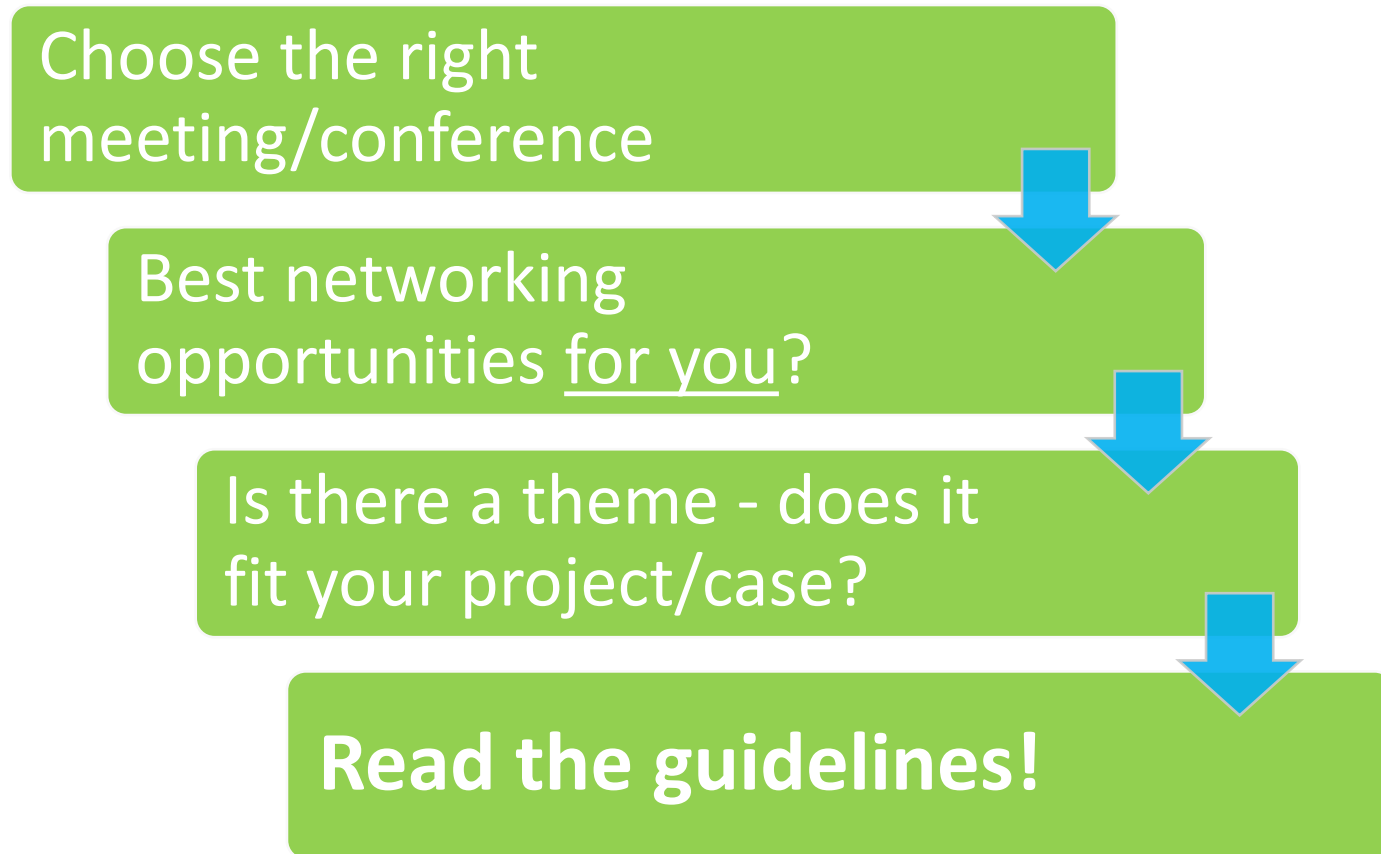
NIHR

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Why submit a conference abstract

- Promote your work, share good practice
- Opportunity to discuss your work with colleagues and leaders in the field
- Justify funding for conference attendance
- Abstract and poster/slides can be used for other purposes ...

Key decisions before you start writing



Remember:

Unlike journal abstracts, conference abstracts are presented alone to conference organisers. **You will not get a chance for a rewrite.....**

Poor abstracts are very unlikely to be accepted.

Do not use


Fact-Finding

Instructions for Oral Presentations

Instruction for Poster Presentations

Abstract Topics

Call for Abstracts

Register
Now! 

- Submission of an abstract for the pediatric congress acknowledges your acceptance for the abstract to be published in the official meeting publications.
- Presenting authors of abstracts must be registered participants. Registration must be received by the Secretariat by July 27, 2011 to ensure inclusion of the abstract in the meeting publications and in order to be scheduled for presentation.
- Abstracts must be original and must not be or have been published or presented at any other meeting prior to the 22nd ESPNIC Medical and Nursing Annual Congress.
- Abstracts must be submitted in English.
- Abstracts over 250 words will not be accepted.
- Abstracts must be received by the announced deadline. Abstracts received after the deadline will not be considered.
- The Scientific Committee will determine whether the abstract will be accepted as an oral presentation, an e-Poster presentation, or a poster presentation, with consideration given to the author's preference.
- The presenting author is required to ensure that all co-authors are aware of the content of the abstract before submission to the Secretariat.

Practical aspects

 The title and themes of the conference

 Check format: is the count in words or characters

 Who are the audience?

 What is the format? Access sample of previous abstracts

 Deadline and format of submission?

 Who will write the abstract, order of authors

Do not use

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Writing the abstract: Title

🔊 Make this simple; use sound-bites wisely

⚠️ Not too long or too complicated

🔍 Make it easy to search in e-databases








✍️ Include study design

😊 Do make it succinct

! Do catch the reader's attention

Do not use

Writing the abstract: main body

-  Use simple standard English
-  State aims of presentation
-  Use short sentences
-  If reporting statistical data, make it clear and simple
-  Leave out jargon and avoid abbreviations
-  Make conclusions logical and clear
-  Stick to word count and references

Do not use

Final messages for abstract writing



Find a critical friend to review



Reviewers get tired – your abstract needs to stand out



Quality is important

Do not use

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Some great advice from **Naomi Hickey**,
UKCRF Network Education Theme Chair
Education and Quality Lead, Glasgow CRF



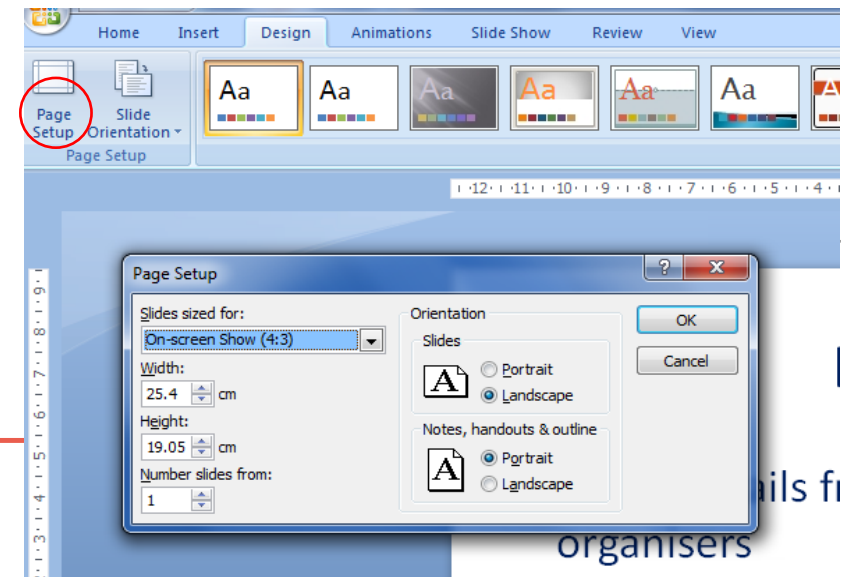
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Page Set up

- Check details from organisers (and your own organisation ...)
- PowerPoint (others available)
- Orientation
- Page size
- Background



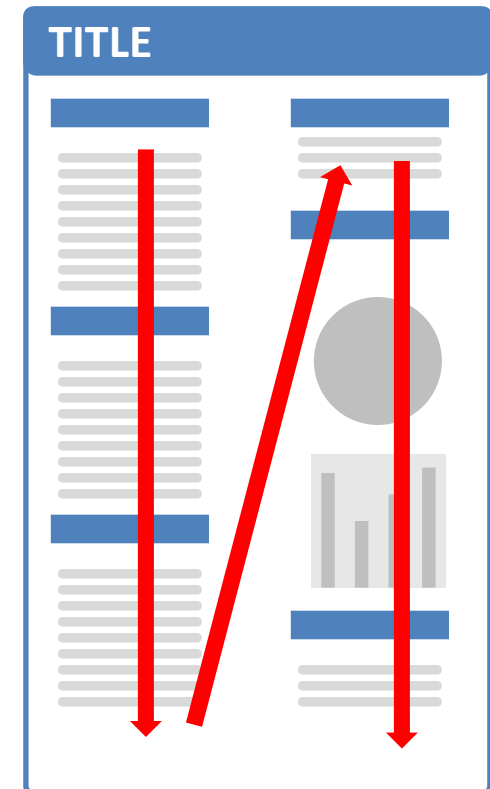
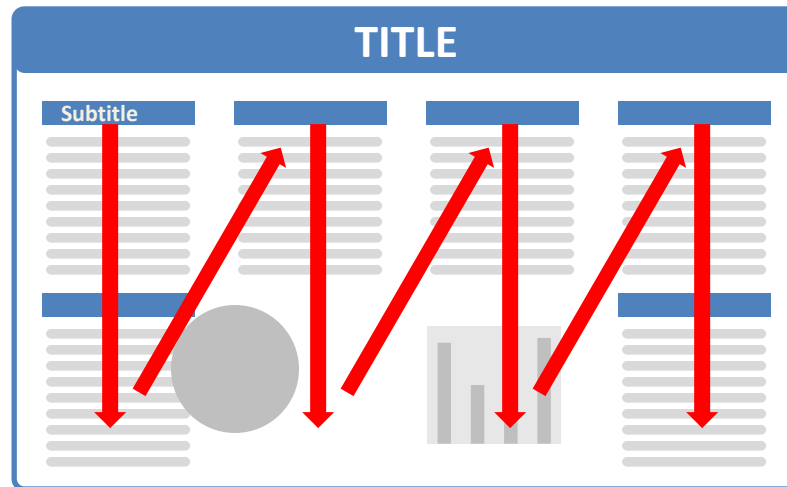
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ails fr
organisers

Layout

- Title
- Clear path
- Reading style
- Headings



RECRUITMENT CHALLENGES TO RECORDING COUGH SOUNDS IN PATIENTS WITH AND WITHOUT LUNG CANCER

Clark P¹, Kidd AC^{2,3}, Hickey N¹

¹Glasgow Clinical Research Facility, NHSGG&C; ²Institute of Infection Immunity & Inflammation, University of Glasgow; ³Queen Elizabeth University Hospital, Glasgow.

Introduction

Screening patients for eligibility is essential to the successful recruitment of a research trial. Recording this information on a screening log can significantly impact the recruitment by identifying recurring and repeating patterns for non-recruitment.

Methods

As a Senior Research Nurse at Glasgow Clinical Research Facility, I lead on research study involving patients diagnosed with lung cancer. Recruitment for this study was at the time of patients' diagnosis; a very emotional time for patients who are approached about participating in research.

During the study, participants were required to wear a recording device for 24 hours to record their cough sounds, but in addition to this, all conversations and sounds would be recorded during this period.

This required a considered approach concerning data protection as the device would record all conversations around the participant, not just their own voice. At the end of the recording, the participant was required to return the device to GCRF as if posted, it would still be recording conversations of the general population.

Recruitment Methods

Eligible patients were approached at outpatient clinics for pre-screening. These visits were to discuss biopsy or imaging results and were often stressful episodes for patients and carers.

Participants were educated on microphone placement and on recording device. This involved developing a good rapport with patients and communicating effectively to ensure that they were able to make informed decisions about the study and to discuss any concerns they may have had about extended visits or 24-hour audio recording.

Due to Data Protection laws, participants were advised to inform everyone they spoke to during the 24 hours to inform them that conversations could have been recorded.

Screening Log

Despite this, recruitment was challenging. Screening log data recorded 89 patients, of which 17 were recruited. The main reasons documented for non-recruitment were 'declined' - no reason was recorded as shown in figure 1 below.

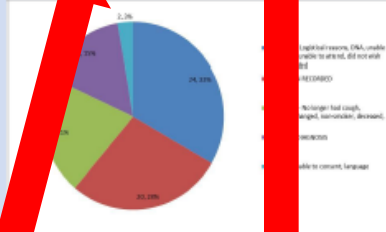


Figure 1: Reasons for screen failure

The screening information could have been better informed if the reason for declining had been recorded. The research nurse often discussed these concerns with the patient, including such as being recorded for 24 hours and being distressed at diagnosis. This level of detail, however, was not recorded on the screening log.

Screening log data can highlight issues such as limitations to protocol and exclusion criteria. They can also inform future studies, to improve recruitment from the outset. However, in reality, time pressures often curb the detail of data collected.

From researcher experience, this is unique to this study and often screening logs do not require basic information if a patient declines to participate.

Going Forward

Valuable lessons have been learned about recording screening data. Information about why patients decline can have a significant impact on recruitment for research studies by allowing researchers to address recurrent issues for non-recruitment.

Also insight has been gained about running a cough detection study in the middle of a lung cancer pathway.

The F Word...Where's the money?

EDGE-ing our way to improved financial management in Glasgow CRF



Steven Barre¹, Kirsty Gardiner¹, Sandra Quinn², Chloë Cowan¹
NHS Greater Glasgow and Clyde; ¹Glasgow CRF; ²R&D Accounts

Purpose Early 2018 and tracking research activity for billing commercial research sponsors had become a web of Microsoft Excel spreadsheets lost in an interdepartmental Bermuda Triangle. Commercial contracts have been increasing complex and study teams are not familiar with what is included in study budgets. In combination with a new clause for final invoicing from sponsors, the risk of under-reporting activity to R&D accounts team has grown. Glasgow CRF rely heavily on project income to maintain a high standard of service but required a much more robust method of reporting costed activity to R&D accounts.



Method EDGE is the Research Management Application used by Glasgow CRF for managing a busy portfolio of ~450 active studies, and the participant enrolment and appointment information is readily available and reported. The capability to capture financial data on EDGE has always been available, but it was not implemented in Glasgow CRF.

A multidisciplinary finance working group was brought together to discuss how we could use EDGE more effectively. The GCRF Information System Developer built a macro to convert the NIHR costing template directly over to EDGE without the risk of transcription error, or lengthy manual data entry. The NIHR costing templates uploaded to EDGE. The research teams and CT pharmacists, receptionists, HCSWs, research nurses, project assistants and team managers were then instructed to enter their research activity directly into the relevant costing fields.



The key to success for implementing the template completion has been sharing the data entry responsibility across all teams. The instantaneous accumulation of costs on the ledger has encouraged teams to enter the data, and feedback to the R&D Coordinator team where costs require adjusted in the contract with the sponsor. R&D Accounts run reports directly from EDGE and can see real-time data, rather than relying on responses from the study teams.

Results Implementation began in April 2018 and with several tweaks to the process since, this development has enhanced interdepartmental communication and improved financial transparency and budget accountability. The ability to reconcile taxi accounts, numbers of archiving boxes, number of duration of monitoring visits, re-consent and unscheduled visits, patient and carer sustenance, additional costs - all previously under-reported to R&D Accounts team - has greatly reduced the risk of under-charging.

As a direct result of this work, the Information Systems Developer has formed a UK-Wide Super-user group for EDGE, and has won an award for EGDE advocacy.

Next Steps Work is underway to upload the costing templates for academic studies but this is currently a bespoke build for each study. With the introduction of SoECAT there is opportunity to look at using a similar import tool which would make this more efficient. The NIHR costing template is becoming a web-based interactive costing tool (iCT). Translating the final export from iCT into a format for import to EDGE will be a priority to allow continuous, efficient financial management for Glasgow CRF.



Text Rules

- Font
 - maximum of 2
 - Serif font
 - Sans Serif
- Size
 - Recommended for different components of poster
 - Read main body from 1 metre
- Spacing
 - Line spacing
 - k e r n i n g / kerning
 - Left align

The diagram illustrates a poster layout with the following text rules:

- Title: 96pt
- Authors: 56pt
- Headings: 36pt
- Text: 24pt
- References: 18pt
- Captions: 18pt

The layout is contained within a blue-bordered box. The title and authors are in a dark blue header. The headings are in a smaller blue box. The text is represented by three horizontal bars. The references and captions are shown as a bar chart with four bars of varying heights.

Alignment and White Space

- Well aligned
 - Grid pattern/lines
 - Charts/images same size
- White space
 - Prevents overcrowding
 - Helps to draw attention



Colour

- Simple Colour palate
- Repeat 2-3 colours
- Headings/graphs/
images
- Red/green colour blind



A Compartment Model for the Transport and Storage of Folate

Mentor: Dr. H. Frederik Nijhout Biology Department, Duke University
Tiffany J. Chen

Objectives:

- To estimate the average pool sizes of folate distributed within the plasma, the cell, and the mitochondria.
- To develop mathematical models that represent these pool sizes and mimic real bodily responses to day-to-day changes in diet and metabolism.
- To test these models against experimental data, as well as make predictions.

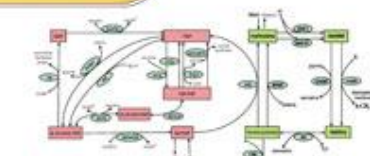


Figure 1. Folate metabolism and transport. Dietary folate is converted to various polyglutamate forms in the plasma, cell, and mitochondria. The polyglutamates are then converted to monoglutamate, which is used for DNA synthesis and methionine synthesis. The diagram also shows the conversion of polyglutamates to monoglutamate and the role of N-methyltransferase (NMT) in methionine synthesis.

Background:

Folate, or vitamin B9, is important for the synthesis of thymidine, a pyrimidine, and purines. Deficiency in folate is associated with megaloblastic anemia, cancer, cardiovascular disease, neurological disorders, and neural tube defects in infants. Folate metabolism provides the rate-limiting step for DNA synthesis and DNA and histone methylation (Fig. 1). Reduced folate status affects these critical cellular activities and also increases the level of homocysteine, a highly reactive amino acid that is associated with cell damage. It has been shown that increased folate intake by pregnant women can help reduce the risk of infant neural tube defects, presumably due to a reduction in plasma homocysteine levels. Folate metabolism occurs within cells, but their levels are typically measured in the plasma. It is therefore critical to understand the relationship between the concentrations of folate in the plasma and the cell.

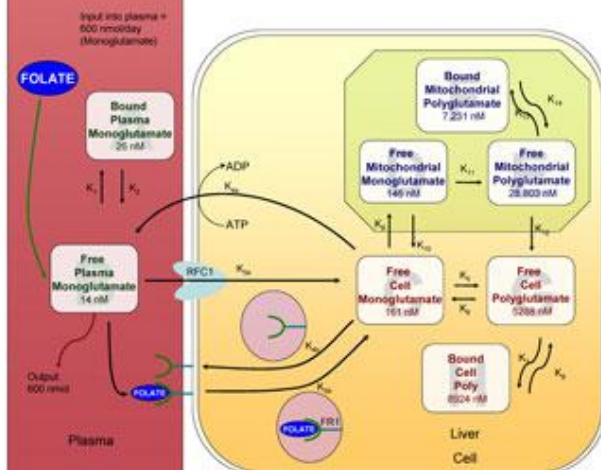


Figure 2. Estimated pool concentrations of folate in the plasma and in the liver cell. The approximate sizes of individual transport and binding.

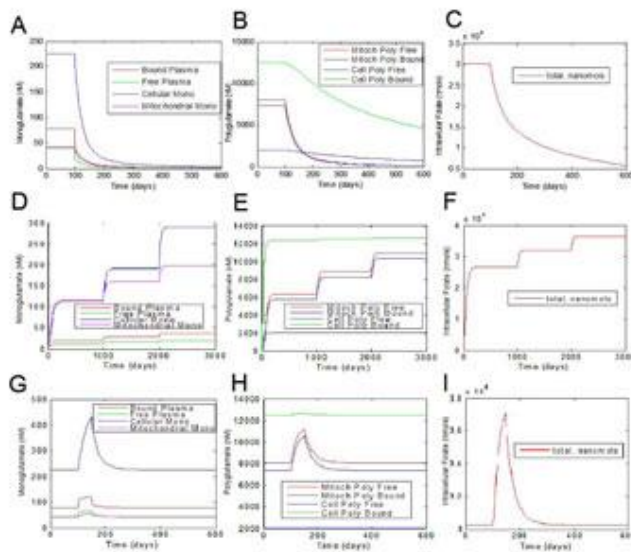


Figure 3. The time course of folate pools in response to different input conditions. The time course is shown for folate pools which are modeled in response to constant (A-C) and pulsed (D-F) input of 600 nmol/day and 1000 nmol/day, and to a pulsed input of 1000 nmol/day for 50 days (G-I). The graphs show the response of folate pools to different input conditions. The graphs show the response of folate pools to different input conditions. The graphs show the response of folate pools to different input conditions.

Methods:

Various pool values for plasma and intracellular folate were collected from experimental data (Figure 2). We made predictions for pool values that are not readily available. These predictions were based on known distribution of the various folate pools within the body. For example, 50% of body folate is stored in the liver – the liver contains 2 compartments. These are the cytosol and the mitochondria, each containing three general pools, monoglutamate, free polyglutamate, and bound polyglutamates. These individual pools have different proportions in the cytosol and the mitochondria.

After pool values were established, we assumed that transport of molecules between pools were based on first-order mass-action kinetics. We used Michaelis-Menten equations for the bound polyglutamate pools, because there is a limited amount of protein that will bind to folate – mainly glycine N-methyltransferase (GNMT), one of the enzymes in the methionine cycle (Fig. 1). In addition, we used Michaelis-Menten kinetics for the transport of folates in and out of the cell via Reduced Folate Carrier 1 (RFC1), Folate Receptor 1 (FR1), and an ATP-dependent exporter (Fig. 2).

Rate constants, or k -values, were calculated by assuming certain fluxes between pools. These fluxes were determined by known rates of gain and loss of folate in different compartments where these rates were known, and by adjusting the relative rates of input and output to obtain the right pool sizes between compartments in cases where the absolute rates were not known.

Experiments were performed by varying folate input. These were performed to determine half-lives of the pools, as well as to determine how the pools reacted to example experimental conditions from the literature.

Results:

1. The Model

The model correctly simulates the sizes of the folate pools in the various compartments, including the cytosol, the mitochondria and the fractions bound to proteins in those compartments.

2. Predicted half-life of folate.

After we removed the constant input of folate into the system, all pools diminished over time, some more quickly than others (Figures 3A, 3B). We can also see in figure 3C that the approximate half-life for total intracellular folate is 80 days, which is close to predicted values of around 80-100. Bound polyglutamate seems to decrease at a much slower rate than the other pools.

3. Reaching steady-state values.

The time for the total intracellular pools to reach steady-state typically ranged from 300 to 500 days, which corresponds well with data from the literature. Consistent with the idea that there is a correlation between intracellular folate pool size, polyglutamation, and protein binding, all types of polyglutamate pools do in fact take longer to reach a steady-state value (Figures 3D, 3E).

4. Response to pulsed folate input.

The input of folate was increased to 1000 nmol/day for 50 days. Model plasma levels were quick to rise and fall with the sudden changes, which predicts that free as well as loosely bound monoglutamates will react quickly to changes in folate intake (Fig. 3G). Out of the polyglutamate pools, the model predicts that both bound pools will take longer to return to steady-state, although the mitochondrial bound polyglutamate will take the longest of all of the pools (Fig. 3H).

Conclusions:

We have constructed a mathematical compartment model for folate that takes into account the different methods of transport, as well as retention in the plasma, cell, and mitochondria. We have compared the output of this model with results from current experiments, and have found that the model accurately simulates data from the literature. This model will form the foundation for future studies on the metabolism, transport and sequestration of folates under various genetic and environmental conditions.

Many thanks to Dr. H.F. Nijhout for his guidance and his patience, as well to both Dr. Nijhout and Dr. M.C. Reed for the use of their folate and methionine cycle programs and diagrams. Initial research was supported (in part) by a Howard Hughes Summer Research Fellowship.

Authorship: Tiffany Chen, H. Frederik Nijhout, and Howard Hughes Summer Research Fellowship. (2008) *bioRxiv* preprint doi: <https://doi.org/10.1101/2008.08.01.131111>; this version posted August 1, 2008. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.



The F Word...Where's the money?

EDGE-ing our way to improved financial management in Glasgow CRF



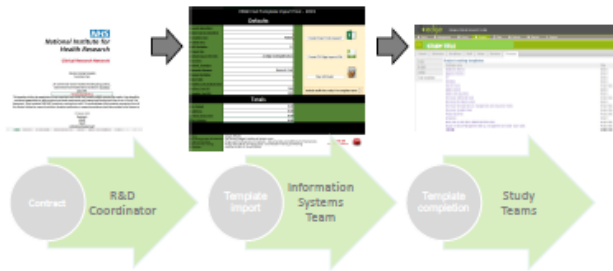
Steven Barre¹, Kirsty Gardiner¹, Sandra Quinn², Chloë Cowan¹
 NHS Greater Glasgow and Clyde ¹Glasgow CRF ²R&D Accounts

Purpose Early 2018 and tracking research activity for billing commercial research sponsors had become a web of Microsoft Excel spreadsheets lost in an interdepartmental Bermuda Triangle. Commercial contracts have become increasingly complex and study teams are not familiar with what is included in study budgets. In combination with a new clause for final invoicing from study close-out, the risk to under-reporting activity to R&D accounts team has grown. Glasgow CRF rely heavily on project income to maintain a high standard of service but required a much more robust method of reporting costed activity to R&D accounts.



Method EDGE is the Research Management Application used by Glasgow CRF for managing a busy portfolio of ~450 active studies, and the participant enrolment and appointment information is readily available and reportable. The capability to capture financial data on EDGE has always been available, but because each study requires a bespoke build for the cost fields, it had not been implemented in Glasgow CRF.

A multidisciplinary finance working group was brought together to explore how we could use EDGE more effectively. The GCRF Information System Developer built a macro to convert the NIHR costing template directly to the EDGE import template. This allowed all NIHR template costs to be drawn directly over to EDGE without the risk of transcription error, or lengthy man-power hours to build the fields. Once tested, every active commercial study had the NIHR costing templates uploaded to EDGE. The research teams including CT pharmacists, receptionists, HCWs, research nurses, project assistants and team managers were then instructed to enter their research activity data in the relevant costing fields.



The key to success for implementing the template completion has been sharing the data entry responsibility across all teams. The instantaneous accumulation of costs on the ledger has encouraged teams to enter the data, and feedback to the R&D Coordinator team where costs require adjusted in the contract with the sponsor. R&D Accounts run reports directly from EDGE and can see real-time data, rather than relying on responses from the study teams.



Results Implementation began in April 2018 and with several tweaks to processes since, this development has enhanced interdepartmental communication and improved financial transparency and budget accountability. The ability to reconcile taxi accounts, numbers of archiving boxes, number and duration of monitoring visits, re-consent and unscheduled visits, patient and carer sustenance, additional tests – all previously under-reported to R&D Accounts team - has greatly reduced the risk of under-charging.

As a direct result of this work, the Information Systems Developer now Chairs a UK-Wide Super-user group for EDGE, and has won an award for EDGE advocacy.

Next Steps Work is underway to upload costing templates for academic studies but this is currently a bespoke build for each study. With the introduction of SoECAT there is opportunity to look at using a similar import tool which would make this more efficient.

The NIHR costing template is becoming a web-based interactive costing tool (iCT). Translating the final export from iCT into a format for import to EDGE will be a priority to allow continuous, efficient financial management for Glasgow CRF.

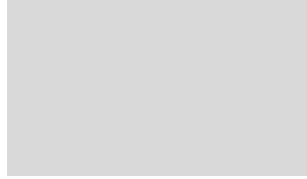
Contact
www.glasgowcrf.ac.uk
 Glasgow CRF Glasgow and Clyde
 @GlasgowCRF

Glasgow
 Clinical Research Facility

CHIEF
 SCIENTIST
 OFFICE

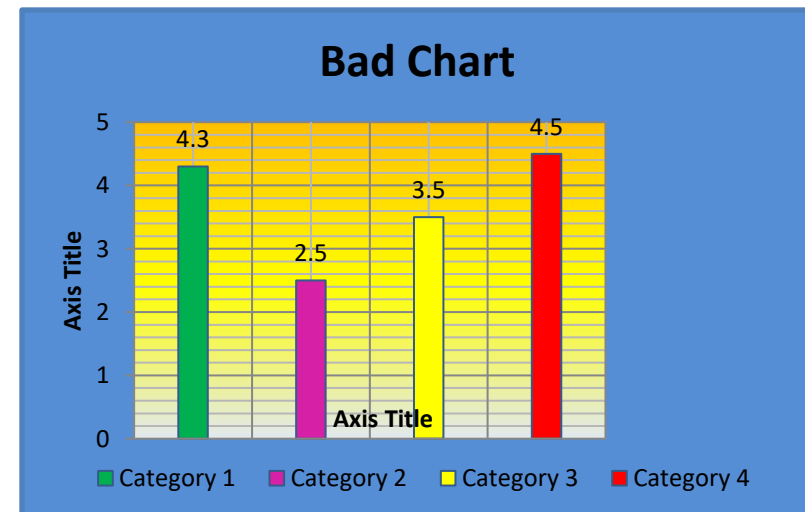
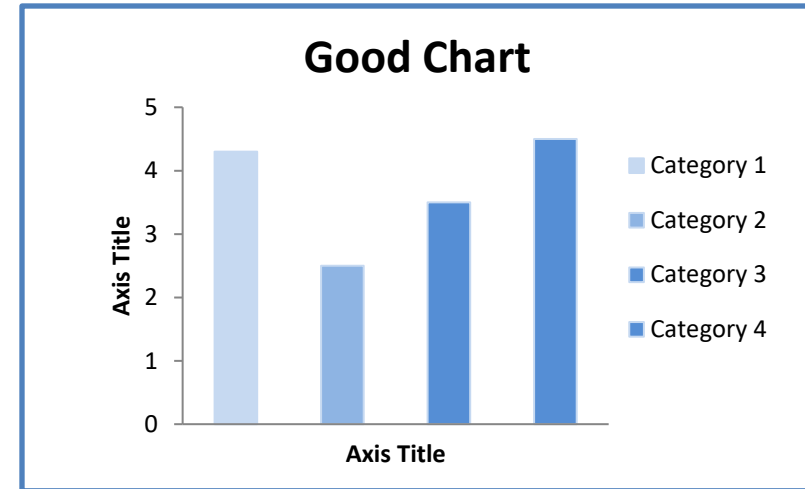
NHS
 Greater Glasgow
 and Clyde

University
 of Glasgow



Images and Graphs

- Relevant
- Resolution
- Graphs/charts
 - Simple to understand
- Icons





Overview

The InSAR Scientific Computing Environment (ISCE) is a web-based framework for accurate, efficient processing of interferometric and polarimetric synthetic aperture radar (SAR) data. ISCE was developed at NASA/JPL and launched under a NASA Advanced Information Systems and Technology program effort in 2011. Integration with cloud computing is continuing through an effort called Cloud Enabled Scientific Computing Research Environment (CESCRE), under the NASA Computational Modeling Algorithms and Other Technologies program. ISCE provides a computing environment for geospatial image processing for InSAR users that will enable scientists to reduce measurement errors, reduce volume and storage costs, and view geospatial products without first requiring them to develop detailed expertise in radar processing methods. The environment serves as the core of a commercial processing center to bring Level-0 raw radar data up to Level-1 data products, but is adaptable to alternative processing approaches for science users interested in raw and different ways to exploit raw data. ISCE enables a new class of analyses that take greater advantage of the long time and large spatial scales of raw data via fast internet approaches.

There is a large quantity of radar data being acquired over the globe from the international constellation of radar satellites. Data access operations do not have access to large computational facilities, the cloud environment offers the potential to open up the possibilities in analyzing large data sets to the community at large. The CESCRE effort will accelerate the collaboration among scientists today through an efficient integration with cloud computing leading to increased productivity of the scientists. As a first step, however, we have prototyped the mapping of ISCE to the cloud environment, and quantified performance.

InSAR Example and Processing Flow

InSAR Processing Flow

Step	Time	Volume	Complexity
Download Data	100s	100 GB	Low
Preprocess Data	100s	100 GB	Low
Generate Interferograms	100s	100 GB	Low
Generate Phase Maps	100s	100 GB	Low
Generate DEMs	100s	100 GB	Low
Generate Maps	100s	100 GB	Low
Generate Products	100s	100 GB	Low
Generate Reports	100s	100 GB	Low
Generate Archives	100s	100 GB	Low
Generate Visualizations	100s	100 GB	Low
Generate Data	100s	100 GB	Low

Visualization output shown through a web user interface.

Time Series Analysis Requires Large Amounts of Data

Time Series analysis requires the use of many radar scenes to track individual deformation and measure errors. The example at the left is from Long Valley, California, which is changing irregularly over time. The profiles at the bottom is the surface deformation for the pixels indicated with the star near the peak of the deformation. The times at which images were acquired along the horizon near the time star. In the future, there could be hundreds to thousands of images for a time series, which is a considerable amount of data.

Wide range of users and capabilities

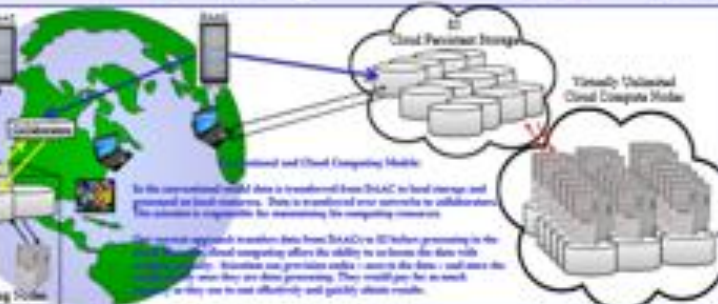
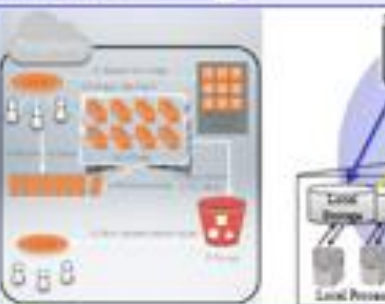
- Individual Scientists and Modules
- Science "Power User"
- Operational Agencies
- Cloud-based systems

Sample Sizing for 300,000 ALOS PALSAR scenes

Priority Key	Priority Key #	Priority Key #	Priority Key #
Level-0 Processing Step	1.00	10,000	0
Level-1 Processing Step	1.00	100,000	0
Level-2 Processing Step	1.00	1,000,000	0
Level-3 Processing Step	1.00	10,000,000	0
Level-4 Processing Step	1.00	100,000,000	0
Level-5 Processing Step	1.00	1,000,000,000	0
Level-6 Processing Step	1.00	10,000,000,000	0
Level-7 Processing Step	1.00	100,000,000,000	0
Level-8 Processing Step	1.00	1,000,000,000,000	0
Level-9 Processing Step	1.00	10,000,000,000,000	0
Level-10 Processing Step	1.00	100,000,000,000,000	0
Level-11 Processing Step	1.00	1,000,000,000,000,000	0
Level-12 Processing Step	1.00	10,000,000,000,000,000	0
Level-13 Processing Step	1.00	100,000,000,000,000,000	0
Level-14 Processing Step	1.00	1,000,000,000,000,000,000	0
Level-15 Processing Step	1.00	10,000,000,000,000,000,000	0
Level-16 Processing Step	1.00	100,000,000,000,000,000,000	0
Level-17 Processing Step	1.00	1,000,000,000,000,000,000,000	0
Level-18 Processing Step	1.00	10,000,000,000,000,000,000,000	0
Level-19 Processing Step	1.00	100,000,000,000,000,000,000,000	0
Level-20 Processing Step	1.00	1,000,000,000,000,000,000,000,000	0

This number of 100,000 scenes represents the ALOS scenes in the Alaska Satellite Facility archive for interferometric time series.

Individual users may retrieve only a portion of raw data, but will require resources beyond what their local geographic areas. Thus, the user will allow individual users to read as primary users or operational modes to explore the data efficiently in a private statistically significant manner.



Traditional Scientific Computing Environments

- Open source software is used
- Hard to discover
- Distributed via email code that has to be compiled with all dependencies
- Configured with proper resources for dependencies
- Requires complex installation process
- Lacks infrastructure for community interaction, documentation, comments, and guidance

Science Data is

- Hard to discover
- Dispersed around the world
- Growing at a staggering rate

Science Data Processing

- Requires unnecessary data transfer before processing
- Relies on local storage and compute capability
- Nontransparent execution environments with unaccounted configurations on various systems

Virtual Machines

- Level of abstraction between hardware & processing
- Isolating software developers to capture configuration of a running machine into a virtual machine image that persists
- Streamlined installation and configuration process
- Execution of software in the environment configured & tested by developers
- Reproducible results
- Easy migration between different versions of software and developers during configuration
- Can be executed on cloud or local infrastructure

Scientific Computing in the Cloud

- Offers collaborative of data and virtually limitless compute capacity
- Optimize data transfer delays, local storage, and local compute
- Enables persistence of machine images into machine images
- Users can launch image instances on demand to process data
- Performs rapid sharing of algorithms, raw data, and results
- Pay-per-use model
- Large VM image computer can be constructed, or based for as low as \$100 / hour with no commitments or minimums

Executing ISCE in Cloud

- Challenges unique to ISCE to support multiple cloud instance types
- Getting a machine with specific version of ISCE is seen as simple as a one line script on a cloud or a laptop
- Enables debugging on a single machine or situation across large capacity on a cloud-based cluster

Use of Cloud in Design of a SAR Mission

Parameter studies of DESDyn SAR missions using the ORADP software analysis software were posted to cloud. Execution of 24 element array was optimized from 4 hours to 30 minutes. This experiment demonstrates effective use of cloud computing to streamline data processing.

Config	Cost	Time
Traditional	4 Boxes	4 Hours
Cloud w/ 20 c1.large	\$20	40 min
Cloud w/ 13 CC2	\$25	20 min
Cloud w/ 26 CC2	\$30	10 min

Results

Interferogram Generation

The ISCE workflow was applied to 29 ALOS PALSAR images acquired over the Los Angeles area spanning 7 years. We formed all possible interferograms (21) interferograms, generating 428 of output data. It was used as a distributed framework and subsequent storage of results. This task initially took 1 week on local infrastructure.

- Deployed in AWS GovCloud on 50 machines w/ 3 cores and 7 GB of RAM
- 4 parallel interferograms on each machine
- Workflow orchestrated by Polyphony

\$256 – 4 hours

This demo was performed over a year ago using the AWS GovCloud. These cloud resources with faster processors, solid state disks, and use of flat-based capacity would provide greater speed and cost savings.

Management of Cloud Resources

- Cloud resources are shared in 1 hour increments
- Environmentally friendly practices can be processed faster by provisioning larger capacity
- Costs can be optimized by filling up the 1 hour slots and using flat based capacity
- Spot instances on AWS offer flat based computing
- Cloud has much less an offering per the company
- Price cost to us less as 1/10th the traditional price
- Tag AWS infrastructure can be governed by 300 base (vs 10,000 ALOS scenes data processed by ISCE)
- Future research includes user automation through use of Spot
- Cloud offers long term archival storage options for as low as 1 cent GB/month

Polyphony

- Pipeline to streamline parallel workflow development
- Based on Amazon Google Workflow
- Modular framework enabling
- Highly optimized low resource
- Dynamic provisioning of machines based on load
- Distributed file system to walk clusters
- Already proven with nearly 10K cores on AWS EC2 instances
- Works in Amazon, C, C++, Python, Java, & Ruby
- Deployed in production for
- ISIS, early target is processed through Polyphony
- CASIE (Caltech in the Arctic Reserve Volcanicity Experiment) Level-0 Full Physics algorithms
- ISCE, Data archival product
- Streamline small scale electronics across NASA
- Supports AWS S3, EC2, EBS, DynamoDB, and Sagemaker

Future Work

- Virtual Machine Image Catalog to discover algorithms
- Science data catalog to discover raw and processed data to read as execution parameters
- Reconfiguring cluster compute resources, SSDs, and high IO networks for InSAR processing
- Evaluate archival storage of InSAR results to cold storage
- Continuity failure of ISCE and improved documentation
- Tier-based coordination of bandwidth to minimize data transfer required to analyze results
- Deployment of CESCRE
- Interactive user analysis for cloud computing and comparison with internet infrastructure
- Cost of large scale processing (e.g. 100K ALOS scenes)
- Long term storage, backup, and archival costs
- Threatening results demonstrate cloud computing is cost-effective



CESCRE

Collaborative Storage and Cost-effective Compute Capacity

Cloud computing enables us to collect large-scale storage with elastic compute capacity. This situation local storage or downloading the data into the local infrastructure. Compute capacity can be dynamically provisioned in the cloud, where the stored data are available on the local network.

Preconfigured Machine Images for Streamlined Processing

CESCRE utilizes virtualization, which enables end-users to create pre-configured machine images with all the software and dependencies required by their environments. Pre-configured machine images with popular algorithms streamline the process of provisioning a machine and running the analysis.

Parallelization of Algorithms and Cloud Orchestration

CESCRE integrates capabilities with Polyphony, to enable scientists to obtain task results faster by concurrently employing large number of machines. This enables scientists to cost-effectively maximize and produce results.

Collaboration

Collection of data enables sharing of raw data as well as higher-level data products. The pre-configured machine images enable software developers and research scientists to share their implementations and algorithms with the community. This significantly reduces the overhead currently associated with sharing and evaluating new algorithms. The parallelization of algorithms in a shared environment will maximize computer processing and lead to collaborative processing of large datasets. It will further facilitate efficient sharing of computational resources across the NASA community.

End-to-End Validation of Preconfigured Capabilities with InSAR

ISCE is used as a prototype data analysis and workflow application for the development of CESCRE. CESCRE will be installed upon an end-to-end system that takes raw data through higher-level data products and feed them into modeling algorithms.

Publications

Gorelick, Eric, Gian Paolo Sarro, Paul A. Rosen, and Howard Leibler. InSAR Scientific Computing Environment. *Fourth Science Technology Forum 2013*.
 Zahner, Reinhold, Steve Hensler, Prakash Shastri, Galy Shtrikman, Gerdwinthil Acker, InSAR Data Processing (ISDP) Phase 2b Interim Report and Archive Summary. 10/2013, 2013.
 Rosen, P. A., E. Daniels, A. Wertzman, et al. "Enabling Earth Science through Cloud Computing." IEEE Geoscience and Remote Sensing Letters 9(2012): 2012.

Acknowledgement

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Content

- Max number of words - 250
- Bullet points easier to read
- Diagrams useful for method sections
- Results section - image based.

A SURVEY OF THREE PHARMACEUTICAL COMPANIES' RESOURCE UTILISATION IN COPY REVIEW ACTIVITIES AND PROPOSALS FOR BUSINESS PROCESS IMPROVEMENT

Tessa Figh, Director, PharmaReview Ltd, London
Raja Colla, Director, PharmaReview Ltd, London

INTRODUCTION

Pharmaceutical and non-pharmaceutical materials are highly visible outputs of pharmaceutical companies. They are scrutinised by competitors, regulators and domestic customers. Processes for drugs can be significant, measured in time, regulation or monetary terms.

Control of costs of copy and systems are essential to the success of pharmaceutical companies.

- Consistent with the industry's objectives
- Flexible and capable of meeting the needs of the customer
- The delivery and the cost

Control of costs of copy and systems are essential to the success of pharmaceutical companies.

- High quality, consistent and reliable
- Efficient service
- Repeatable processes

The UK industry body, ABPI, issued a code of conduct in 1998. Its current form is very similar to the European industry GPP code. Many UK pharmaceutical companies have considerable experience of adherence to the code, with large teams working on the review of materials and activities.

Copy review is a time-consuming activity for pharmaceutical companies, in the form of time, of some of the most expensive and specialist staff members of staff.

The aims of the study were to:

- quantify the time spent on copy review activities in a range of UK pharmaceutical offices, medical affairs and commercial functions
- identify the origin and location of proposals in copy review activities

We present here the medical affairs results.

RESULTS

We received 118 usable responses from 348 individuals, a response rate of 34%. 48 responses were from medical affairs and 70 from commercial and other functions. The proportion of the working week spent on copy review by pharmaceutical was a consistent 40%, the medical affairs, the proportion varied between zero and 60%. Seventy six percent (76%) of those from our target audience.

On average just over 30% of those pharmaceutical activities were preparing written submissions and claims. The remainder was spent on other copywriting activities, correspondence, grant writing, marketing materials. Results of individual items averaged 2.8.

Estimates of the proportion of jobs requiring complete months of review ranged between 30% and 50%.

% of copy time by activity, all medical affairs

% jobs needing extra reports

This results in between an end eight additional hours work per week.

Phys

Med info

SA/SOL

and related levels of review, reported on 'request' or 'system' by 85% in one organisation and in a significant level of 60%.

Practition

Several activities were selected for around one third of projects.

Medical affairs

CONCLUSIONS

Between one third and one half of the available resources in medical affairs teams in the UK is taken up reviewing materials. This varies between organisations depending upon allocation of the activity. Materials are often multiple times and a significant proportion of materials are sent again and again. This causes loss of productivity and financial losses between and within departments. Specialists and pharmacists engaged in review have positive proposals for process improvement, which are considered against the requirements of the code of conduct.

This study having identified potential best practice. The interventions proposed are not proven to reduce waste in the copy review process. However, a particularly high potential for improvement could arise from and arising by adopting some single submissions aimed at ensuring only good quality, scientifically valid material enters the review cycle, and by defining review objectives, roles and responsibilities. Physicians and specialists could be released from their work to undertake customer facing activities or consultancies. Hard to fill gaps and subsequent reliance on contractors could be reduced.

This activity has caught up on the industry. In the past now that reviewing copy has become an industry within an industry, occupying half of the working time of hundreds of medical information specialists and pharmaceutical physicians in the UK. This is not a minor critical work and is a distraction from the productive and real work of supporting patients and helping customers to understand medicines.

An industry wide prospective survey is necessary to identify actual resource allocation in this activity and benchmark best or worst practice. Process improvement observations could be formally assessed to measure the savings that can be made.

It is likely that these industry single actions could save a lot of time.

- Review the availability of resources, reviewing the review cycle.
- Define and limit responsibilities.

Contact Details and Logos

- How to contact?
- QR code
- Affiliations
- Uniform size
- Keep logos to one area
- Use 'dead space'



Glasgow
Clinical Research Facility



Final Check

- Does the poster flow logically?
- Is all text readable?
 - Spelling and grammar
- Are graphics good quality?
- Is data understandable?
- Does the most important information stand out?



Key Points

- Draw attention from the other side of the room
- Simple is good
- Line things up
- Don't over crowd
- Make important things stand out

HOW TO DESIGN AN AWARD-WINNING CONFERENCE POSTER
Dr. Tullio Rossi

#1 SCRIPTING

- YES to bullet points - NO to long paragraphs.
- Use sections with HEADERS.
- Maximum 250 words! Possibly <150.
- Don't forget your contact information.
- Make sure your poster is telling a story that includes:

Background Question Methods Results Conclusions

#2 DESIGN

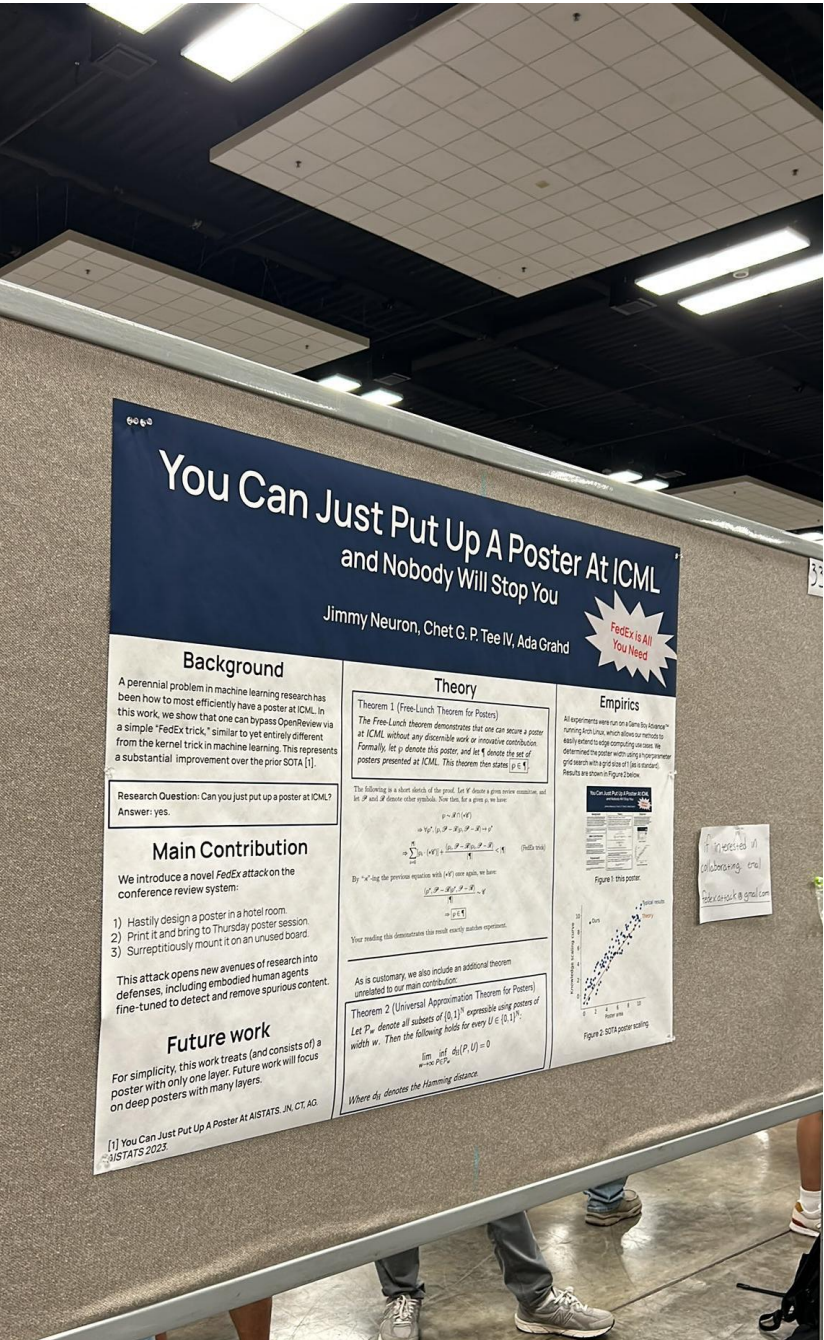
- Decide a layout before you start designing.
- Negative space is your friend. 40% should be blank.
- Use 3 to 5 colors.
- Use 1 **accent color** to draw attention.
- NO to images and patterns as background.
- Use 1 to 2 fonts - readable from 1 m.
- Feel: More like an infographic less like a scientific poster.

#3 DATA

- Display only the essential.
- Simplify graphs to make them easier to read.
- Apply the color scheme to the graphs for consistency.

Include one large eye-grabbing visual

The infographic features a central illustration of an octopus with gears, symbolizing the integration of design and data. Below the octopus are three sample graphs: a line graph showing an upward trend from 2012 to 2014, a bar chart comparing two categories in 2012 and 2014, and a complex area chart with multiple data series from 2012 to 2014.



You Can Just Put Up A Poster At ICML and Nobody Will Stop You

Jimmy Neuron, Chet G. P. Tee IV, Ada Grahd



Background
A perennial problem in machine learning research has been how to most efficiently have a poster at ICML. In this work, we show that one can bypass OpenReview via a simple "FedEx trick" similar to yet entirely different from the kernel trick in machine learning. This represents a substantial improvement over the prior SOTA [1].

Research Question: Can you just put up a poster at ICML?
Answer: yes.

Main Contribution
We introduce a novel FedEx attack on the conference review system:
1) Hastily design a poster in a hotel room
2) Print it and bring to Thursday poster session
3) Surreptitiously mount it on an unused board.

This attack opens new avenues of research into defenses, including embodied human agents fine-tuned to detect and remove spurious content.

Future work
For simplicity, this work treats (and consists of) a poster with only one layer. Future work will focus on deep posters with many layers.

[1] You Can Just Put Up A Poster At AISTATS. In: CT, AG, AISTATS 2023.

Theory
Theorem 1 (Free-Lunch Theorem for Posters)
The Free-Lunch theorem demonstrates that one can secure a poster at ICML without any discernible work or innovative contribution. Formally, let p denote this poster, and let \mathcal{M} denote the set of posters presented at ICML. This theorem then states $\{p \in \mathcal{M}\}$.

The following is a short sketch of the proof. Let \mathcal{V} denote a given review committee, and let \mathcal{P} and \mathcal{Q} denote other symbols. Now, then, for a given p , we have:

$$p = \mathcal{V}^{-1}(\mathcal{Q})$$
$$\Rightarrow \mathcal{V}(p) = \mathcal{Q} \Rightarrow \mathcal{V}(p) = \mathcal{Q} \Rightarrow p$$
$$\Rightarrow \sum_{i=1}^n \mathcal{V}(p_i) = \sum_{i=1}^n \mathcal{Q}_i \Rightarrow \mathcal{V}(p) = \mathcal{Q}$$

By "v"-ing the previous equation with \mathcal{V}^{-1} once again, we have:

$$\mathcal{V}^{-1}(\mathcal{V}(p)) = \mathcal{V}^{-1}(\mathcal{Q})$$
$$\Rightarrow p = \mathcal{Q}$$

Your resulting this demonstrates this result exactly matches expectations.

As is customary, we also include an additional theorem unrelated to our main contribution:

Theorem 2 (Universal Approximation Theorem for Posters)
Let \mathcal{P}_w denote all subsets of $\{0, 1\}^n$ expressible using posters of width w . Then the following holds for every $U \in \{0, 1\}^n$:

$$\lim_{w \rightarrow \infty} \inf_{p \in \mathcal{P}_w} d_H(p, U) = 0$$

Where d_H denotes the Hamming distance.

Empirics
All experiments were run on a "Golem Bio-Science" running Linux, which allows our methods to easily interact to supply computing resources. We determined the poster width using a hyperparameter grid search with a grid size of like a standard. Results are shown in Figure 1 below.



Figure 1: this poster

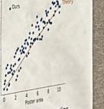


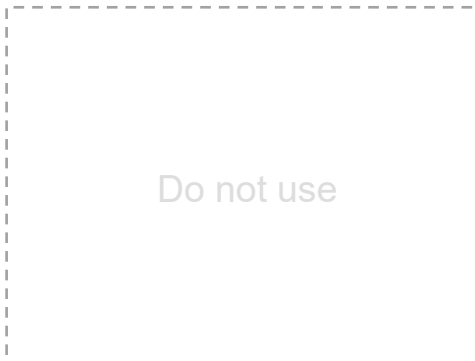
Figure 2: SOTA poster scaling

Presented at Collaborating: oral
tekd@cs.cmu.edu@gmail.com

SUPPORTED BY



National Institute for Health and Care Research



Do not use

Reflection Points

- How can you maximise the chance that your abstract will be accepted?
- From your own conference attendances, what have been the 'stand-out' conference abstracts, drawing you to go and find the poster?
- Electronic posters are becoming the mode of choice for some conferences; how do they differ from other formats?
- What are some of the ways to prepare for conference presentation, whether oral paper or poster?

Do not use

WRITING A CONFERENCE ABSTRACT AND DESIGNING A POSTER

Professor Ruth Endacott, NIHR Director of Nursing and Midwifery

WHY SUBMIT A CONFERENCE ABSTRACT?

Promote your work
 Discuss your work with colleagues and leaders in the field
 and share good practice
 Justify funding...
 Gain a CRITIQUE of your WORK
 for conference attendance
 ABSTRACT AND POSTER OR SLIDES...
 CAN BE USED FOR OTHER PURPOSES

KEY DECISIONS BEFORE WRITING

Choose the right conference!

IS THERE A THEME- does it fit your project?
 *Read the guidelines for submission!

FACT FINDING
 Order of authors? Title and themes? Previous abstracts? Who will write? Format? Audience?

Best networking opportunities

PRACTICAL ASPECTS

TITLE

Make it simple... catch the reader's attention
 Make it SEARCHABLE in e-databases
 Include study design

MAIN BODY

Stick to word count and references
 Leave out jargon and avoid abbreviations
 State aims
 If reporting statistical data, make it clear and simple
 Use simple, standard English
 Make conclusions logical and clear

...FINAL MESSAGES FOR ABSTRACT WRITING

Conference reviewers get tired
 your abstract needs to STAND out
 QUALITY IS IMPORTANT
 FIND A CRITICAL friend to REVIEW

POSTER DESIGN APPROACHES

Naomi Hickey, Glasgow Clinical Research Facility

PAGE SET UP:

There will likely be specific size requirements
 Way of reading -logical (L to R)
 free from chaos

ALIGNMENT & WHITE SPACE

make your poster PROFESSIONAL by keeping things well-aligned
 White space PREVENTS OVERCROWDING
 Helps to draw attention

IMAGES & GRAPHS

RELEVANT Not too many
 SIMPLE High Resolution
 Icons can be good to draw the eye

CONTACT DETAILS & LOGOS

QR CODE
 names, affiliations, uniform size, logos (keep in one area)

TEXT

Maximum of 2 FONTS
 Serif vs sans serif: sans serif is easier to read, clearer, etc.
 SPACING Line Spacing
 Left align Kerning

COLOUR

Simple Colour palette
 Repeat 2-3 colours
 Colours should CAPTURE attention & HIGHLIGHT important information but should NOT distract the viewer.
 Consider Red/green colour-blind

CONTENT

Max number of words
 Do not repeat Diagrams/ flowcharts useful for methods
 Bullet points easier to read
 Results-image based

FINAL CHECK

- Logical flow? ✓
- Text readable? ✓
- Spelling & grammar ✓
- Graphic quality? ✓
- Understandable data? ✓
- Important info standing out? ✓

Q&A



Updates

- **Opportunity to work at the iHV** – Research Associate post
- **Research bulletin** – Jan, May, Sept 2026
- **iHV Research Resources** – <https://ihv.org.uk/our-work/research/>
- **Collaboration form:** <https://ihv.org.uk/our-work/research/collaborate-on-a-research-study/>



Opportunity to support research

Ali Whitehouse (PhD Student and Lecturer in CYP Nursing) is looking for Health Visitors to complete a short online survey as part of the second phase of her PhD at the University of Surrey, exploring motor development in looked-after children.

As Health Visitors, you play a vital role in early child development and safeguarding – your perspective is essential to understanding how some of the most vulnerable children in our communities can be better supported.

- The survey takes around 10 minutes to complete and has been reviewed by the University Ethics Committee (Ref: 1864).
- By taking part, you'll be contributing to research that aims to strengthen practice and improve outcomes for looked-after children. Thank you for your time.

👉 Survey link: <https://forms.office.com/e/tC4VGwHUzg>



2026 Research Network Dates

- Wednesday 18 March – 9:30-11:30
- Wednesday 1 July – 9:30-11:30
- Wednesday 11 November – 9:30-11:30



Over to you

Help us to tailor our events to meet **your** needs!

- Submit your anonymised responses to the poll
- What more can we do to support you in your practice?

Email events@ihv.org.uk with any suggestions



Thank you so much for joining us

Upcome events:

- 3rd Dec** | iHV Leadership Conference
- 14th Jan** | Sp HV PIMH Special Interest Group
- 22nd Jan** | Insights – The Refresh of the Healthy Child Programme
- 29th Jan** | iHV Corporate Service Leads Network
- 3rd Feb** | SCPHN Student Network
- 12th Feb** | SEND Special Interest Group



All future Member Benefit Events dates can be found at:
<https://ihv.org.uk/training-and-events/events/>

