

# SEHSCT Trust Board

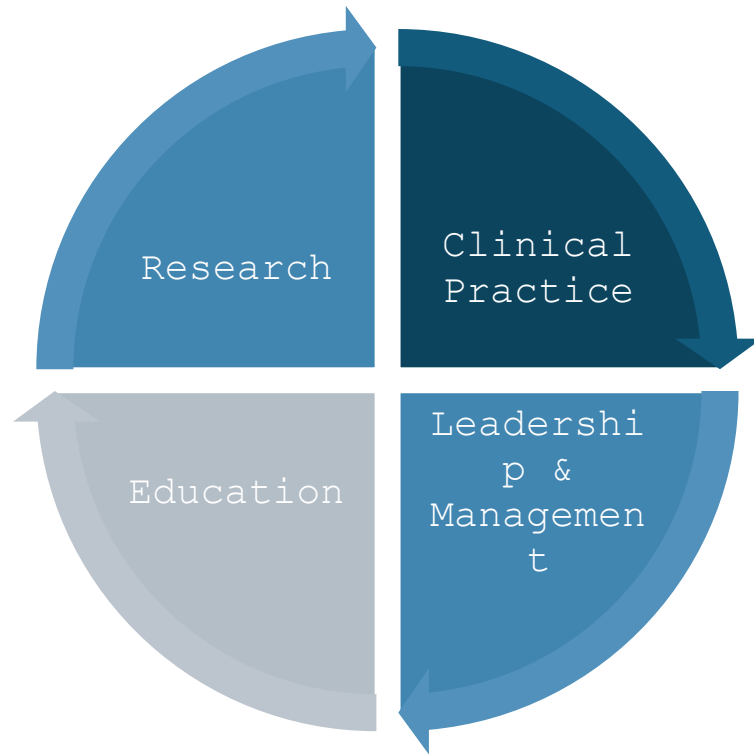
September 2024

*On Behalf of Research Development Oversight Group*

# Introduction- Research Why Bother?

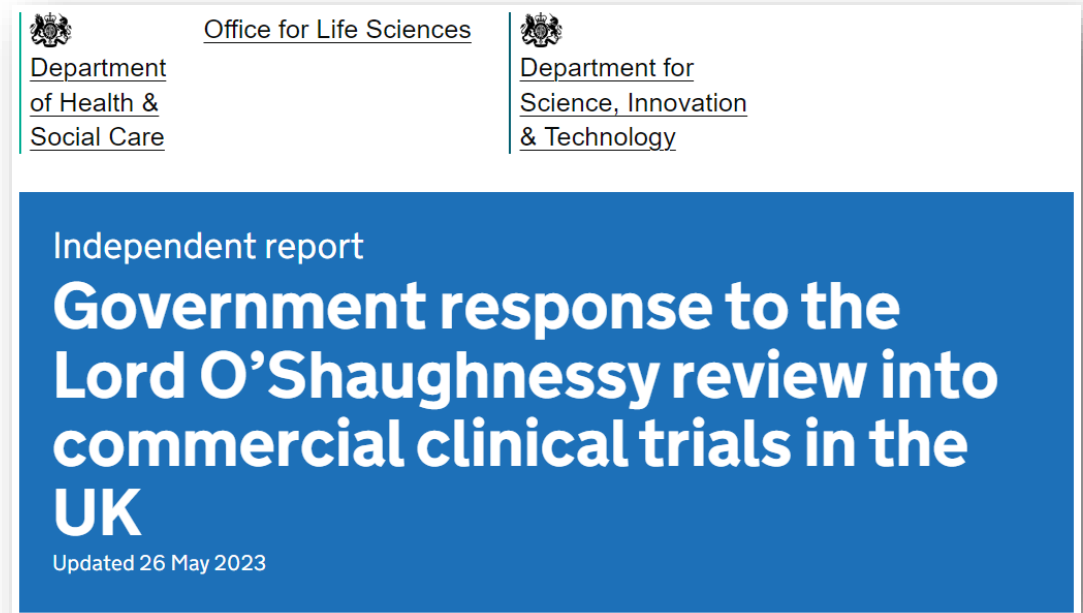
“I hope that I will be able to make someone else better”

# Introduction- Research Why Bother?



Better Patient Care  
Better Informed Clinical Teams  
Better Clinical Outcomes  
Early access to new treatments/technology  
Early adoption new treatment pathways  
Better Informed Service Design  
New Career Paths- Job Satisfaction  
Contribute to the evidence base  
Shared Learning  
Leadership development  
Enhanced Institutional Reputation  
Support Local Economy

# Introduction- Research Why Bother?



# "State of Play"

Trust Board

RDOG

OMD

Clinical  
Directors

SQICC

Assets  
Register

Research  
eFCDG

OCAG

# "State of Play"

Agreed National Costing Tariff

Research Approvals have improved from 118- 36 days

Multiple Stakeholder Meetings on how to improve research engagement

Patient Experience Survey- 80% of participants were new to research, 54% aged 55-74Yrs, 95% Satisfaction Rating

47 staff members PI/CI- Great Response to new VPAG/NICRRG Funding Calls - (8 Medical, 4 Physio, 2 Nursing, 1 Psychology)

Multiprofessional research involvement- 59% Medical, 41% Nurse & AHP

103 Research Studies- 1:4 Commercial - 39 studies in feasibility

46% increase in our revenue stream as we access more opportunities post COVID/BREXIT

121 Research Publications/Presentations-25 in impactful peer review journals - 4 Researchers have published more than once



# "State of Play"

**South Eastern Health & Social Care Trust**  
18 h · 🌐

Incredible milestone reached by our Stroke Research Team 🌟

The stroke research team led by Dr Mark Bowman recruited the milestone 600th patient in the groundbreaking 'MAPS-2' trial, aiming to prevent pneumonia post-stroke.

READ MORE 📖  
<https://bit.ly/3SRFOC1>



**SEHSCT Gastro Research Team – Highest Recruiter to the GALOCEAN Trial**

[Read More](#)

## Key research study on impact of oxygen on body

A NEW research study is underway at the Ulster Hospital to examine the effects of oxygen on the body.

The study, called UK-RO2, is being carried out in the intensive care unit and could have a major impact on the treatment of the many patients who require oxygen as part of their medical treatment.

Each year around 24,000 patients are admitted into ICU departments across the UK and over 95% of them require the assistance of a ventilator to help them breathe.

The concentration of oxygen administered through a ventilator is adjusted according to how much oxygen can be detected in a patient's blood. Some previous studies have shown that patients may have better outcomes when a lower, rather than higher oxygen saturation is administered.

The UK-RO2 study aims to investigate this further and try to determine if a slightly lower oxygen level helps to optimise recovery.

Dr Matthew Devine, consultant in Anaesthesia Intensive Care Medicine and principal investigator for the UK-RO2 study, said: "Extremely high or extremely low oxygen levels can cause damage to the body.

"The purpose of this study is to look at the effects of a small reduction in the oxygen given to patients," he said.


"This very important research will help us to understand the effects of oxygen on the body and will help us find the best ways to treat our patients."

Samantha Hogan, a clinical research nurse, works alongside the ICU consultants to identify patients eligible for the study. She oversees patient treatment plans while they are taking part in the study and follows up with them at home once discharged. Samantha explained: "ICU patients are usually sedated and ventilated on admission to ICU, so we involve the patient's families in the decision making process and ensure that their wishes are heard."

"We are hopeful that this study will show a light on oxygen treatment and will help us to develop better patient care and improve personalised treatment plans in the future."

The UK-RO2 study will run until November 2026. The results will be available to ICU teams across the UK once the study has been completed.

Dr Matthew Devine and Samantha Hogan who are taking part in the research study.



**SEHSCT Cardiology Research Team surpass Recruitment Milestone for PREVAIL Trial**

[Read More](#)



# The Year Ahead



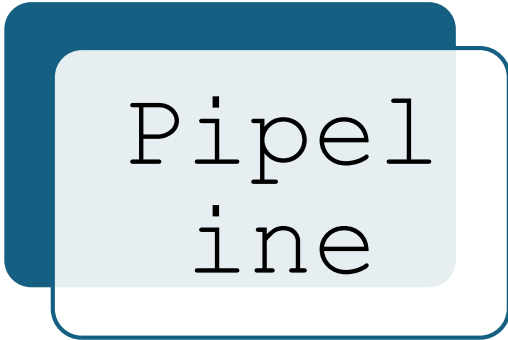
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# The Year Ahead



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# People

1

Await outcome  
from  
NICRRG/VPAG/NICRN  
Funding

2

Reinvest from end  
of year monies

3

Redeploy if there  
are opportunities  
to do so

Collaborate on  
Priority Projects

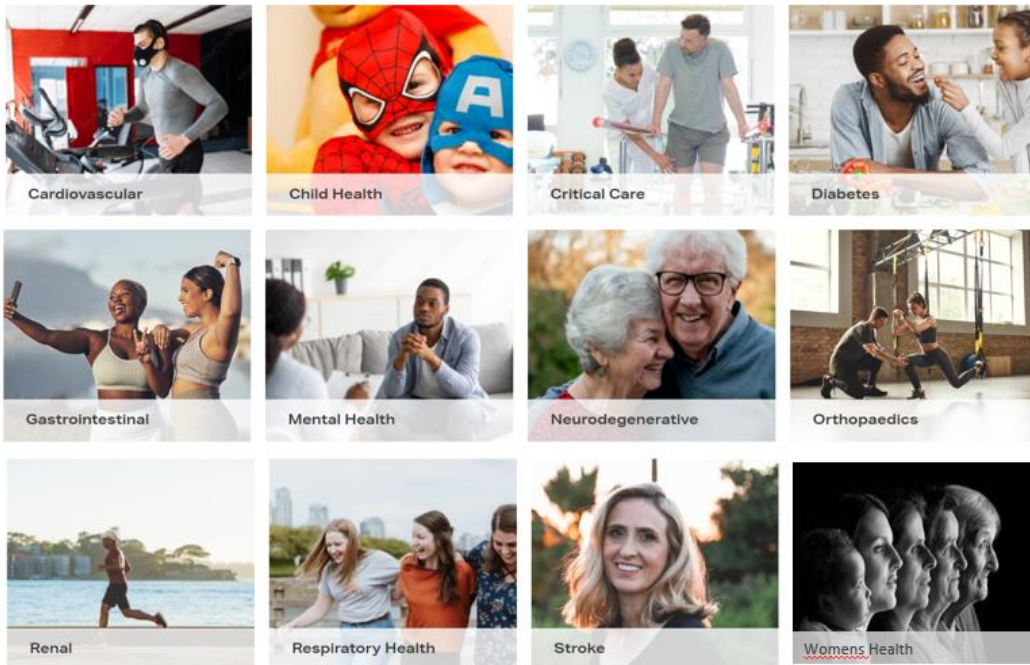
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Improve Research  
Engagement

5

Develop RESEARCH  
Knowledge/Capabil  
ity

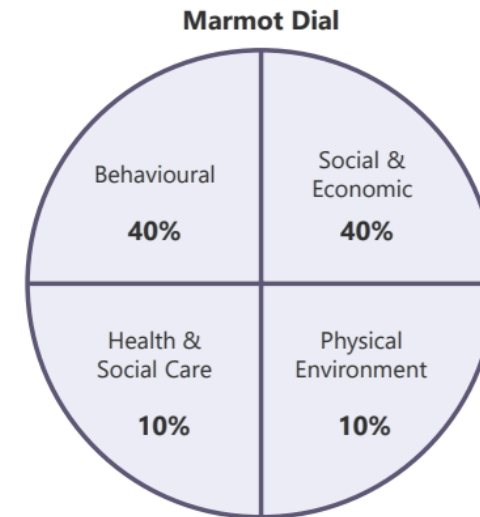
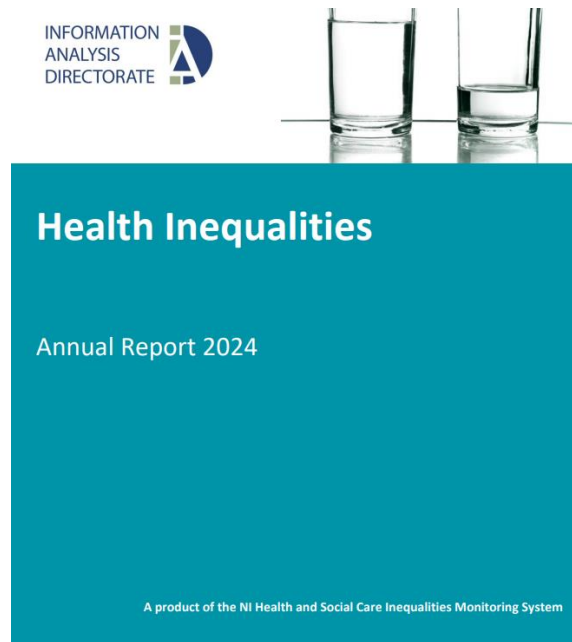
# People- Commercial



## Year Ahead

- Consolidate and build resilience Total: 4.2 WTE Research Nurse.
- 40 studies supported by RNs- 10 per nurse!!!
- Re-apply for **NICCRG Funding**
- Apply for VPAG Funding/Reinvest in- **Band 6 Commercial Clinical Trials Research Nurse, Band 7 Clinical trials pharmacist, B6 Commercial Clinical Trials Manager Band 4 Commercial Clinical Trials Administrator Band 3 Healthcare Assistant.**
- Apply for Band 6 Commercial Clinical Trials Innovation Manager
- Apply NICRN for additional RN support or **RE-INVEST**
- Develop Band 8 Clinical Trials Manager Role
- **Admin Redeployment Opportunities?**

# People- Non-Commercial



**Who?**

**What?**

**Why?**

**When?**

**Where**

# People-

Non-Commercial



**Figure 2: Eight capability domains**

# People- Non-Commercial

In simple terms:

**Development**  
Can it work?

*Discovery science and  
"first in human"*

**Evaluation**  
Does it work?

*Efficacy*

**Assessment**  
Is it worth it?

*Effectiveness*

Research

SQE

Research



# People

## Step 1

### Develop an "Introduction to Research Programme"

1. Easily accessible- no knowledge needed research emersion offer
2. Organised over 3 Semesters-
3. Each Semester will have a block of 4 lectures
4. Delivered by Experienced Academic Researchers from UU/QUB/OU
5. Run over a lunch-time
6. Lectures will be On-line- dictatic
7. "Your Research Hour"

## Step 2

### Develop Undergraduate Research Experience

- 1) Offer Summer Internships
- 2) Education
- 3) Mentorship
- 4) Multiprofessional
- 5) Condition Focussed
- 6) Data Driven
- 7) Outputs-Shared Learning Day

## Step 3

### Develop Clinical Staff Competency- Access NIHR courses

1. What is Health Research, Starting out in HSC Research, Improving healthcare through clinical research
2. Introduction to GCP, GCP Refresher, Introduction to GCP- IMP Management
3. Delegation of duties in Research
4. Fundamentals of research delivery for Laboratory staff
5. Research Practice in Clinical settings
6. Informed consent with different communities, Informed consent with children, Informed consent, Remote consent
7. Pre-Reg N&M Research delivery awareness programme
8. NIHR PI Pipeline programme
9. Associate PI scheme
10. Fraud awareness training
11. Leadership modules
12. Clinician Researcher Credentials Framework - PG Cert, PG Dip, Masters

# People

## Step 4: Data Access/Literacy

### Pillars of the Data Institute



#### Coding & Standards

The Coding & Standards team provide a range of services to HSCNI including Query Helpdesk, Training and Data Dictionary with a view to improve the definition, collection and reporting of timely accurate and consistent data and to support the clinical coding profession in Northern Ireland.

[Learn More](#)



#### Analytics & Insight

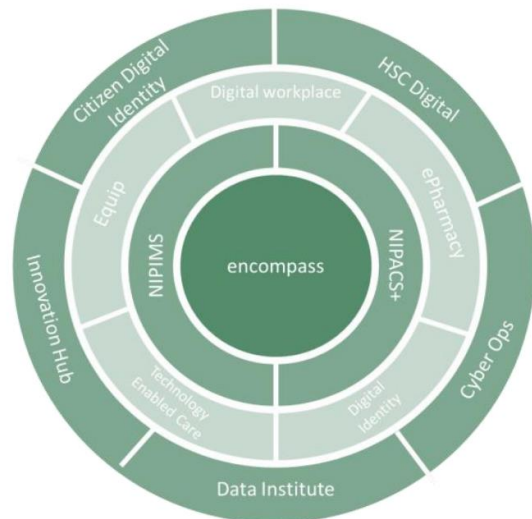
Seeking and providing insights that dig deeper, explain more and are relevant and meaningful to our people. The HSCNI will provide data and analytics services in house, and support other organisations to upskill their data capabilities through frameworks, capability matrices, recruitment, and training.

[Learn More](#)



#### NITRE

Health and Social Care data should always be kept safely and securely, with access controlled through a transparent system of approvals which meet best practice and standards. The Northern Ireland Trusted Research Environment (NITRE) focuses on development of data and connectivity infrastructure to enable collaborative data research and evaluation to improve our insights into health and social care.



## Step 5: Delivery Outputs





# The Year Ahead

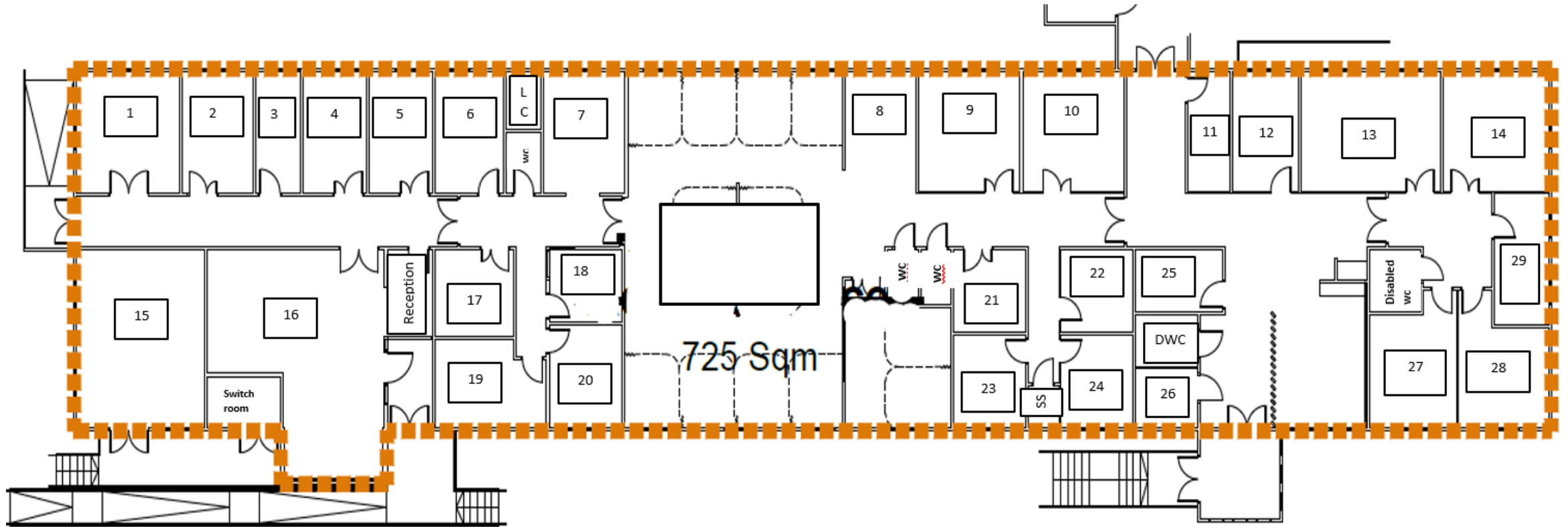
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# Place



# The Year Ahead

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# Process

## Research & Innovation

Be Part of the Solution



**SEHCT** South Eastern Health and Social Care Trust

**WELCOME**

Research & Innovation is a central part of our mission to improve patient care and outcomes. We are looking for innovative ideas and solutions that will make a difference to our patients and the community we serve.

**ABOUT THE COURSE**  
This course is designed to help you understand the research and innovation process and how you can get involved.

## RESEARCH & INNOVATION, STRATEGIC LEADING IN OUR FIELD



Research & Innovation plays a vital role within any successful healthcare organisation. It underpins our clinical practice, demonstrating that we are learning from evidence and promoting innovation, it should be considered as a frontline service.

The South Eastern Health and Social Care Trust supports and leads innovative studies and programmes that impact upon the development of theory and practice both locally and nationally.

Here you can find out about how you can get involved with research yourself.

**CONTENTS**

**ABOUT THE COURSE**  
This course is designed to help you understand the research and innovation process and how you can get involved.

## Contents

- Meet the Team
- Research is the Future of Healthcare
- Conducting Research at SEHSC
- Is my Project Research?
- Submitting a Research Proposal
- When to use IRAS
- Submission Documents
- Sponsor Information
- Commercial Research

**ABOUT THE COURSE**  
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## Contents

- Good Clinical Practice
- Research Active Areas
- Patients Participation in Research
- Research Funding Opportunities
- R&D Infrastructure in Northern Ireland
- Public Research Champions at SEHSC
- Innovation Hub
- Data Science
- Research Academy

**ABOUT THE COURSE**  
This course is designed to help you understand the research and innovation process and how you can get involved.

## Is my Project Research?

Whether you are a research or non-researcher, with any type of project, you can benefit from our research and innovation services. This course is designed to help you understand the research and innovation process and how you can get involved.

This tool provides access to five different decision trees providing answers to the following questions:

- Is my study research?
- Is my research taking place in the field and will need IRAS approval?
- Do I need NHS Research Ethics Committee (REC) review?
- What type of IRAS ethics review do I need?
- Can I carry out my research?

Completing the tool will provide students with an understanding of what activities they can do, and whether they do not waste time applying for approval for research that they are not able to carry out or that the student eligibility criteria.

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This course is designed to help you understand the research and innovation process and how you can get involved.

## Research is the Future of Healthcare

Research is the future of healthcare. It is the key to understanding and preventing disease, and to developing new treatments and medicines. Research is also the key to understanding and preventing disease, and to developing new treatments and medicines.

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**CONTACT US VIA EMAIL**

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# The Year Ahead

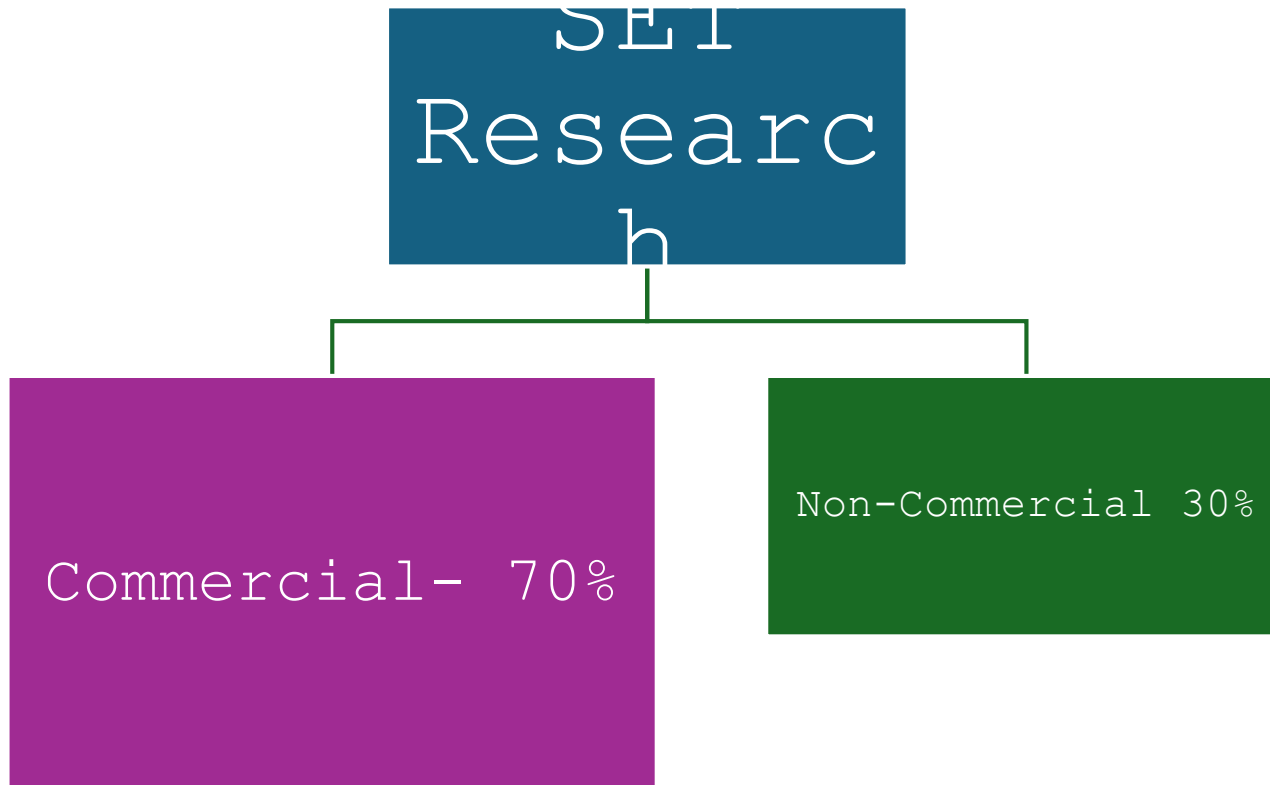
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# Pipeline



## **Commercial**

Accurate Costing- National Tariff  
**70%** of Research Activity  
40% Increase in Commercial Baseline (Year 5)  
Recognised Centre for NI Commercial Activity

## **Non- Commercial**

**30%** of Research activity  
Induction- Job Planning- Appraisal  
Data-Driven  
Offer Student placements/Summer Schemes  
Agenda set by EMT/ORC  
Develop Capability- Research Academy  
Develop MOU with Universities  
Develop Data Driven Research

Thank-You