



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Research in the Health Service

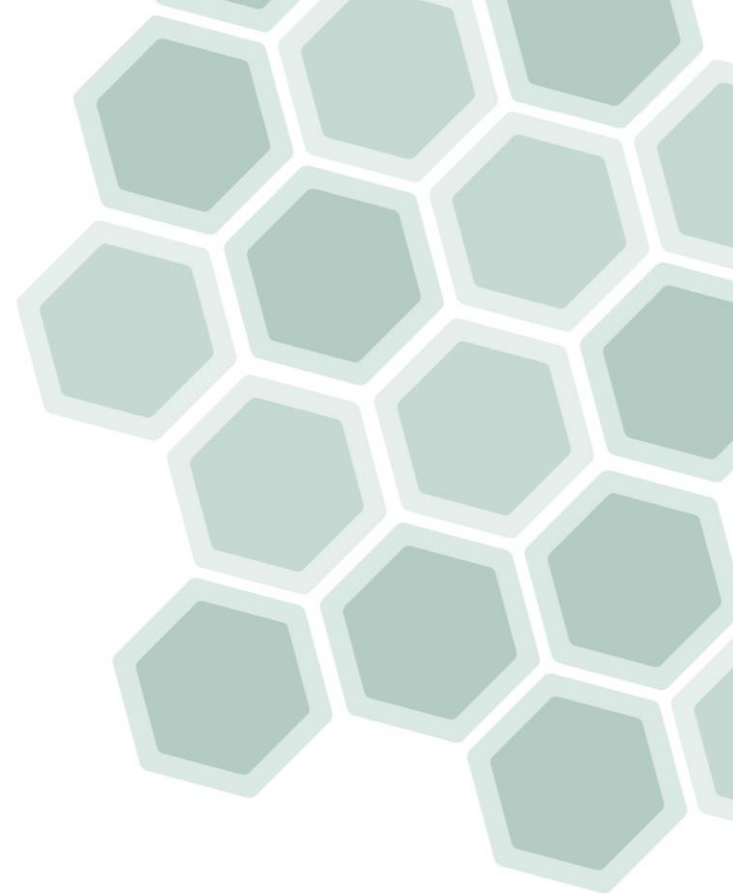
**Where are we? Where we are going?
Where are the gaps?.**

Dr. Ana Terrés,

Assistant National Director,
Head of Research and Development

Building a Better Health Service

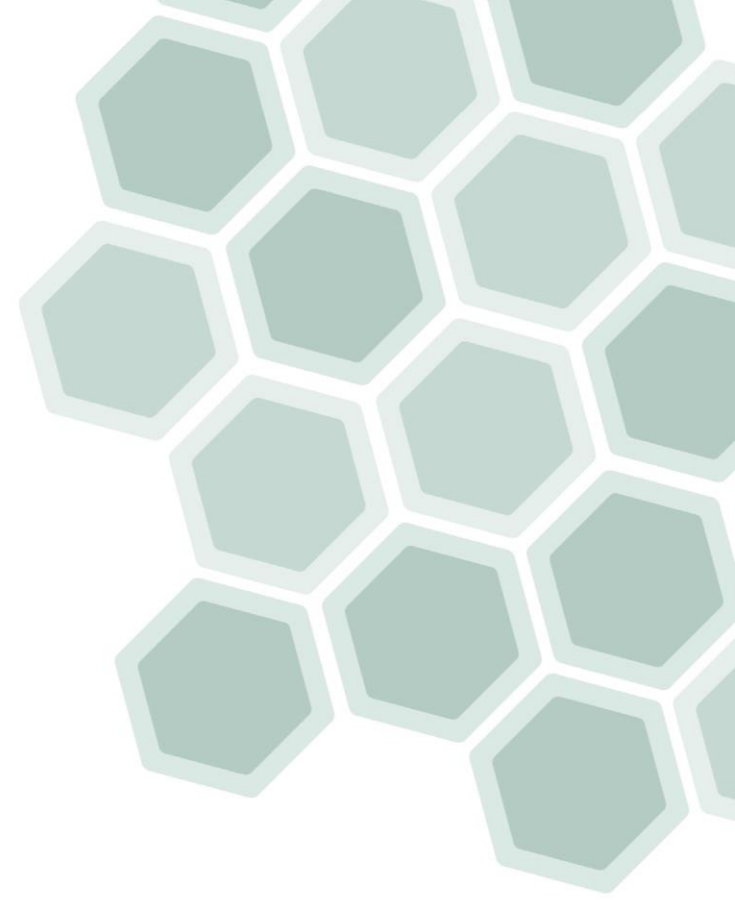
CARE COMPASSION TRUST LEARNING





Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Research and Development



HSE Health Intelligence

HSE National Health Library

Building a Better Health Service

CARE COMPASSION TRUST LEARNING

Research in HSE... why?

Evidence shows that strong research culture in health services is associated with:



Lower mortality rates in hospitals



Increased patient satisfaction



Increased levels of productivity and efficiency: Increased numbers of patients treated, reduction on patient length of stay



Provision of a more comprehensive range of services

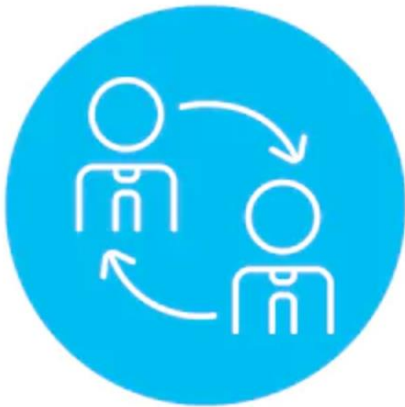
Organisational Benefits of strong research culture in a health service. A systematic review. Australian Health Reviews. Harding et al 2017.

Building a Better Health Service

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Research in HSE... why?

Evidence shows that strong research culture in health services is associated with:



Reduction of staff turnover and improved recruitment outcomes



Improvements in the quality and the process of care



Significant contribution to national economic growth.

Organisational Benefits of strong research culture in a health service. A systematic review. Australian Health Reviews. Harding et al 2017.

Quantifying the economic impact of government and charity funding of medical research on private research and development funding in the UK

Research in the HSE:

Where are we now?

The frontline perspective:



We need more funding



We need more time



We need structured research careers



We need support

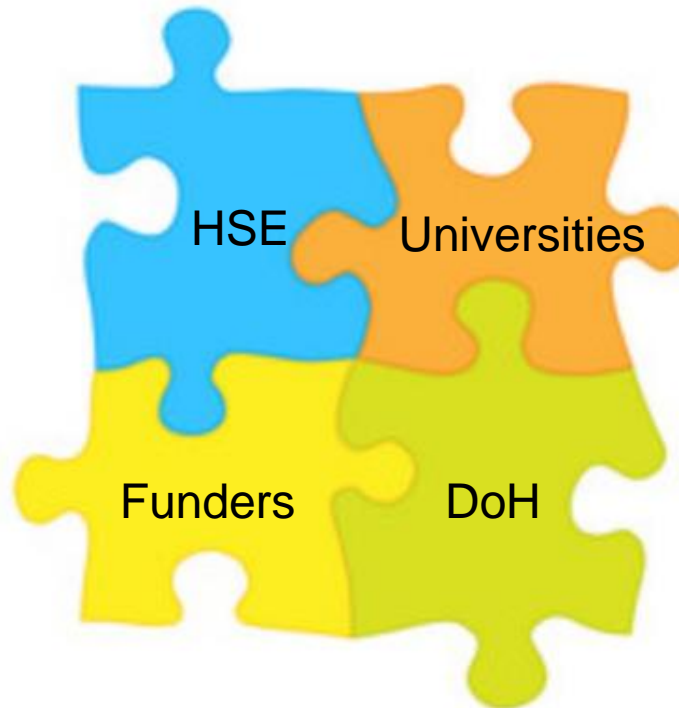
The systems perspective:

Stewardship
and
Governance

Financing

Capacity
Building

Knowledge
generation,
translation
and utilisation



The essentials for managing and running Health Research

Legislative
Framework

Governance
Structures

Management
Processes

Research
Supports

Research
Funding

Patients

Health
Research
Performers

Knowledge
dissemination
and
translation

Health Research Legislative & National Policy Framework



Health Research Governance Structures



Health Research Management Processes



Health Research Supports



Health Research Funding



Patients



Health Research Performance

Where are we now?

Legislative & National Policy and governance frameworks

Legislation	Ireland/HSE	UK
Research Ethics	No	YES
Clinical Trials	Yes (EU)	Yes (EU)
Research Tissue banks	No	Yes
Disease Registers	No	?
Data protection	Yes	Yes
Data sharing	No	Yes
Patient safety	Yes	Yes
Clinical audit	No	Yes
Governance Framework for Research in Health and SC	No	Yes

Health Research

Health Research Legislative & National Policy Framework



Health Research Governance Structures



Health Research Management



Health Research Support



Health Research Funding



Patients



Health Research Performance

Where are we
now?

Health Research Governance Structures

Structure UK	Structures Ireland
National REC Approval process	32 RECs- no national
Health Research Authority	No equivalent
Confidentiality Advisory Group	Consent Declaration committee*
NIHR	HRB
DoH	Research Unit DoH
Key Research Leadership Roles in Trusts and Hospitals	CAOs in HG/R&D Head of Res in HSE
Research Offices (Trust, hospital, Univ. Joint R.O.)	No equivalent (few exceptions)

*Not operational yet

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Health Research Governance



Health Research Management



Health Research Support



Health Research Funding



Patients



Health Research Performance

Where are we now?

Health Research Management

Research management	Ireland/HSE	NHS/UK
Registration and approval	No (some local level approval)	National (HRA) and local
Ethical Review	Local and fragmented	National and local
Compliance with legislation e.g. GDPR	No mechanism (exceptions: some RECs and PCRC)	HRA
Intellectual Property and tech transfer	No mechanism	Yes (Trust Research Office)
Insurance and indemnity	No standard process. Local mechanisms	Yes (Trust Research Office)
sponsorship of clinical research	Hospitals do not sponsor clinical research. PI-sponsor role.	Institutions sponsor clinical research (Universities, hospitals..)

Where are we now?

Health Research Management

Research management	Ireland/HSE	NHS/UK
Research funding management	No (via external mechanisms, i.e foundations, universities)	Yes (via hospital finance depts)
Human Resources Management	No	Yes (Health Research Passport)
Contractual Framework for research	Ad hoc	Yes (Trust Research Office)
Publication and Dissemination	No (exception PCRC)	Yes (Trust Research Office)
Data Management	No standard process. Local mechanisms	?
Monitoring and Compliance	No standard process. Local mechanisms	Yes (Trust Research Office)

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Health Research Governance



Health Research Management



Health Research Supports and Enablers



Health Research Funding



Patients



Health Research Performance

Where are we now? **Health Research Supports & Enablers**

Research enablers	HSE/Ireland
Culture of research & evidence-based practice	Research is not embedded
Undergraduate & Postgraduate Education	Research is not embedded
HR processes to enable capacity building	Do not exist
HSE Research & Innovation Support Services	
<ul style="list-style-type: none"> Acquiring external research funding 	Do not exist in HSE (University Only)
<ul style="list-style-type: none"> Supporting Engagement with the Academic Sector 	Do not exist in HSE (University Only)
<ul style="list-style-type: none"> Supporting Engagement with Industry 	Do not exist in HSE (University Only)
<ul style="list-style-type: none"> Translation of Results into Evidence & Practice 	Do not exist
<ul style="list-style-type: none"> Patient Engagement 	Do not exist
Clinical Research Networks	Yes
Clinical Research Support structures	CTI & CRCI
National Health Library resources	Fragmented

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Health Research Legislative & National Policy Framework



Health Research Governance



Health Research Management



Health Research Support



Health Research Funding



Patients



Health Research Performance

Where are we now? **Health Research Funding**

- Main national funders
 - HRB for clinical research, population health and health service research (45M per year).
 - SFI – mainly applied translational research (175M per year)
 - Practically no national funding for basic biomedical research
- EU funding
- Commercial

Health Service
is ill-equipped
to manage
research
funding

Commercial
funders are
investing
elsewhere

Phase I

1. Germany: 428
2. UK: 426
3. Spain: 299
4. Netherlands: 224
5. Belgium: 196
6. France: 189
7. Italy: 129

Phase II

1. Germany: 3827
2. UK: 3178
3. Spain: 2616
4. Italy: 2543
5. Belgium: 1667
6. Netherlands: 1471
7. France: 1437

Phase III

1. Germany: 4484
2. Spain: 3649
3. UK: 3281
4. Italy: 3113
5. Belgium: 2329
6. Netherlands: 1763
7. France: 1686

Number of Clinical Trials in Western European countries. Source: France Biotech via EU Clinical Trials Register (13/02/2017)

Health Research

Health Research Legislative & National Policy Framework



Health Research Governance



Health Research Management



Health Research Support



Health Research Funding



Patients



Health Research Performance

Where are we now?

Patients

We have	UK/NHS
PPI initiatives (HRB)	National PPI Standards
IPPOSI and other patient charities	NIHR INVOLVE
Clinical Networks involving patients	Clinical Networks
Involvement of patient input in research design or development is not mandatory: Scale of patient involvement in research is small	Mandatory PPI for REC approval in UK

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Health Research Legislative & National Policy Framework



Health Research Governance



Health Research Management



Health Research Support



Health Research Funding



Patients



Health Research Performance

Where are we now?

Health Research Performance



**In spite all the difficulties,
we have**

Incredible staff

- Research active
- Research engaged
- Research interested

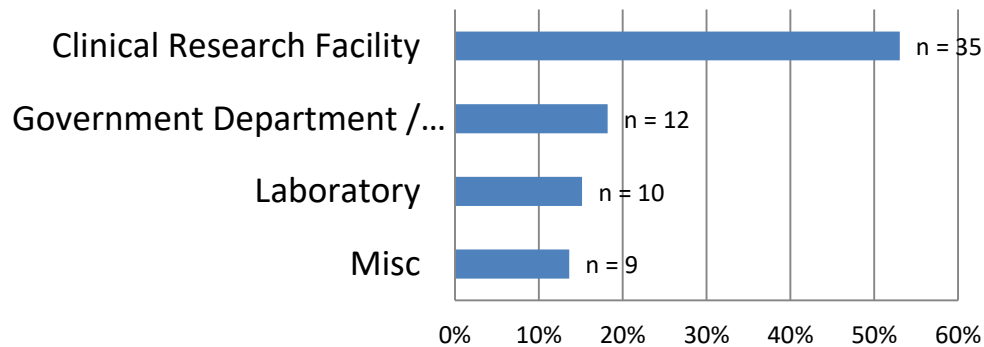
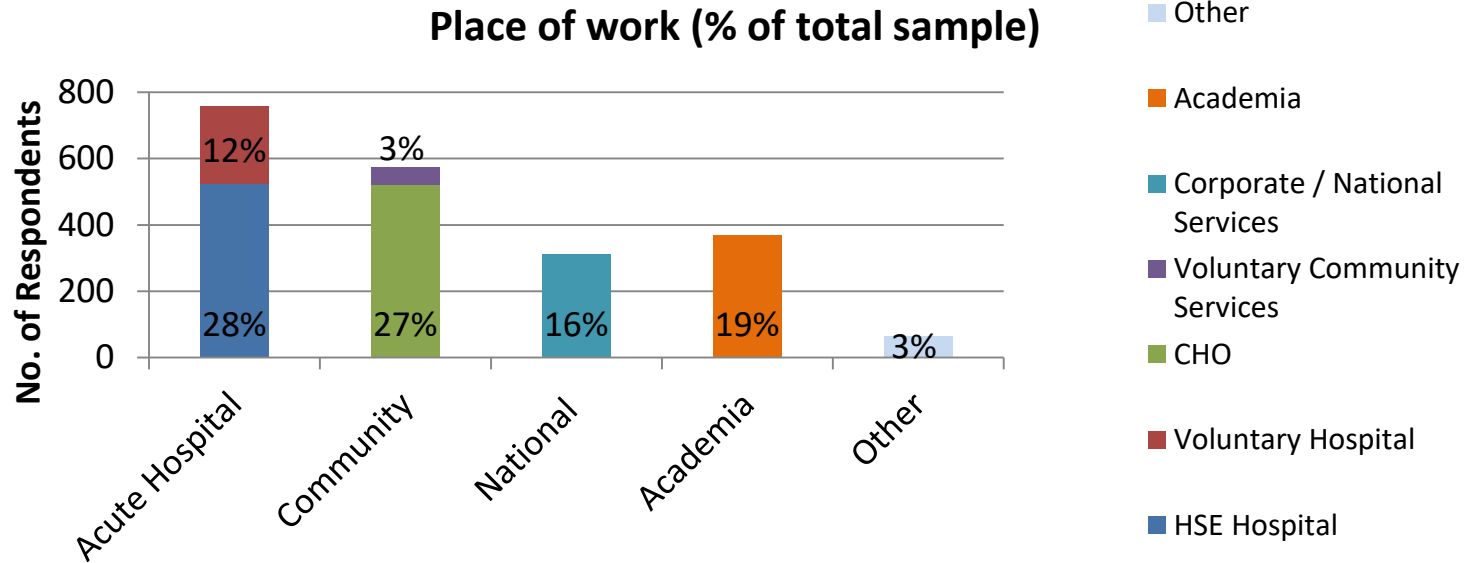
**Significant research
activity**

Benchmark of research activity exercise

- Staff Survey: are you research active?
- Publications: Indexed, open access, PH
- Networks: HRB funded and other
- Regulated Clinical trials: EUDRACT and CT.gov
- REC approved research projects
- HSE Commissioning from HEIs.
- H2020 funding
- Staff with University appointments

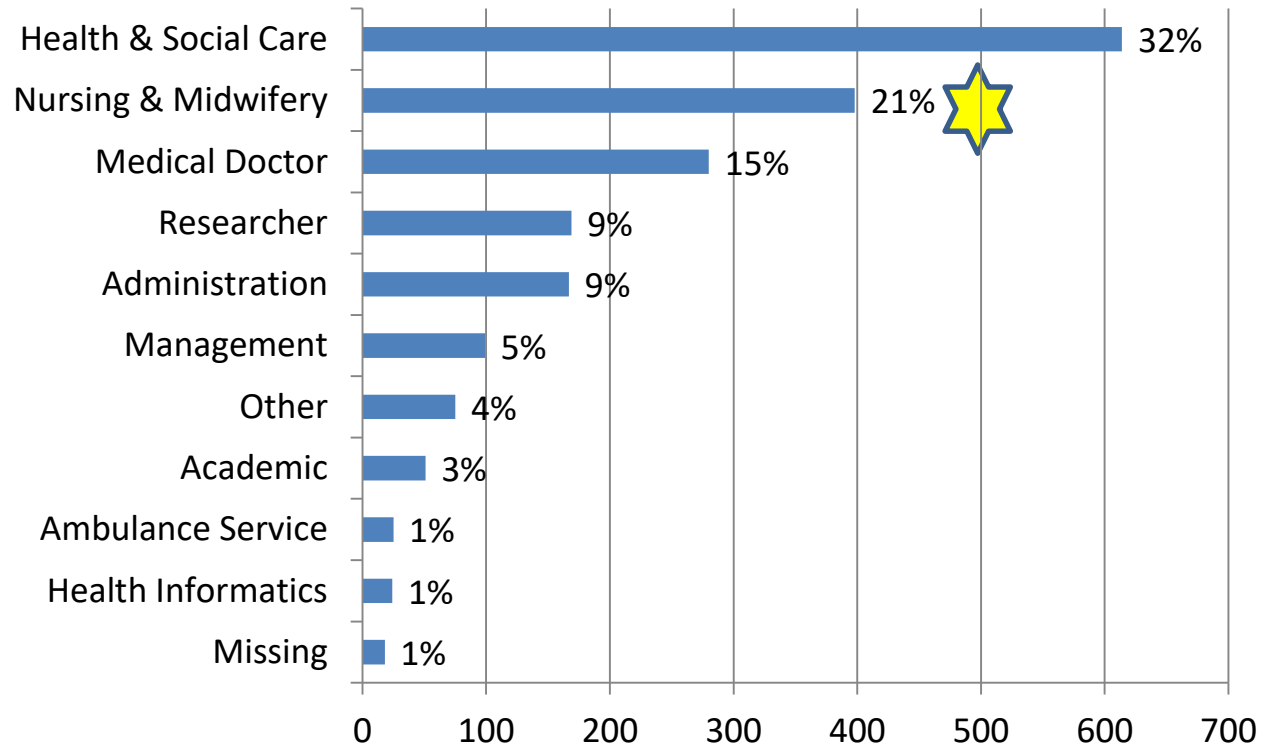
Research Active Staff Survey

~2000 responses



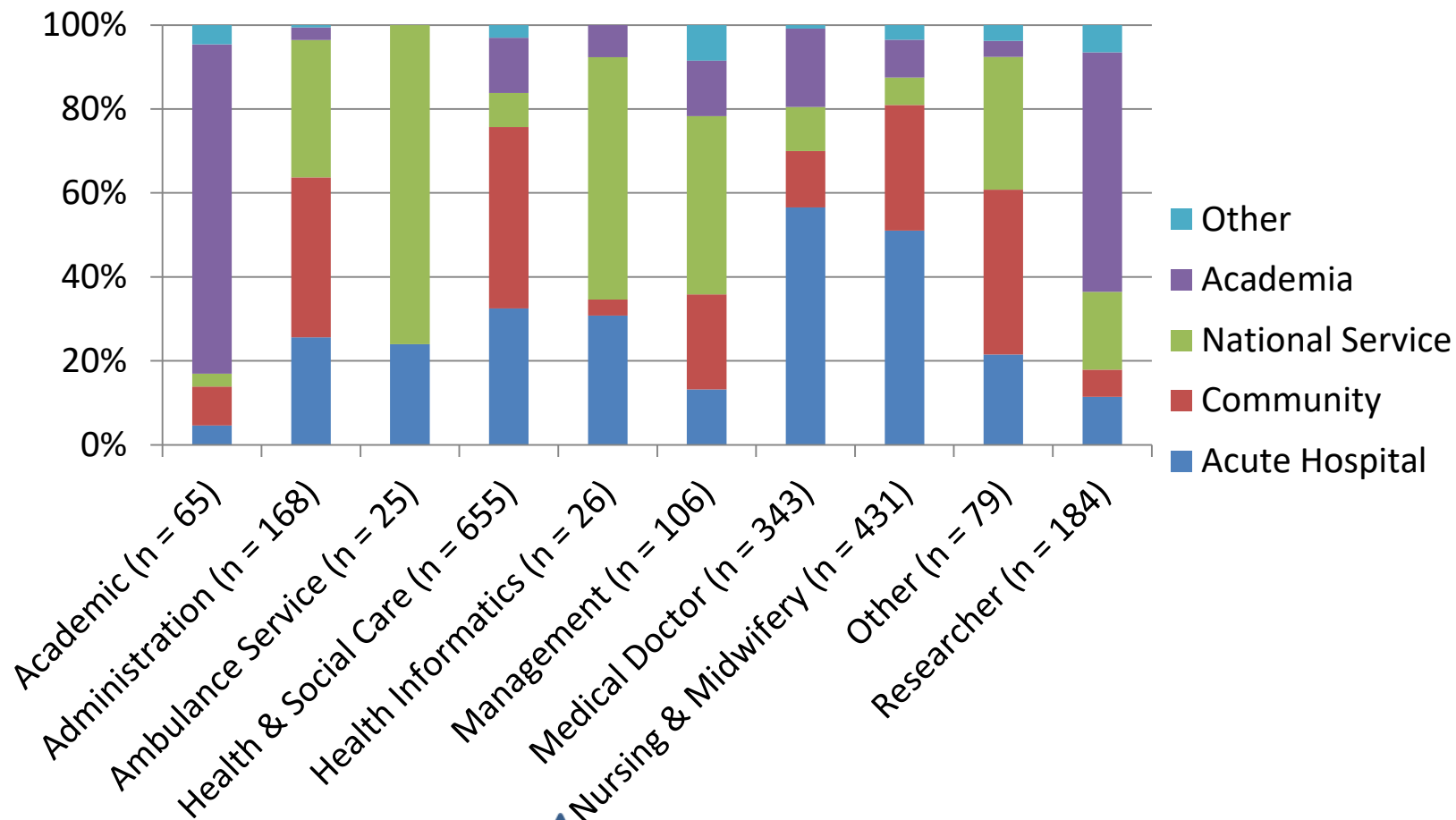
Research Active Staff Survey

What is your profession?

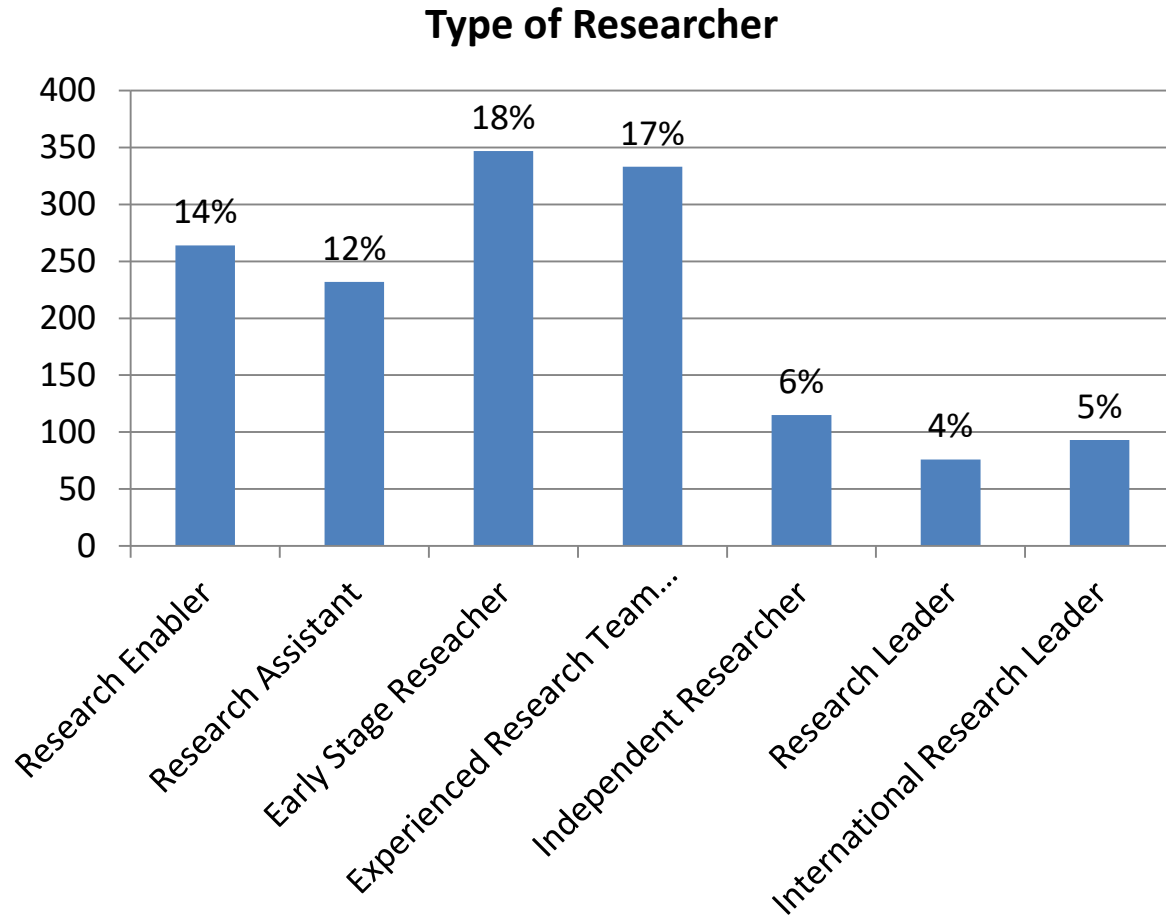


Research Active Staff Survey

Place of work by profession

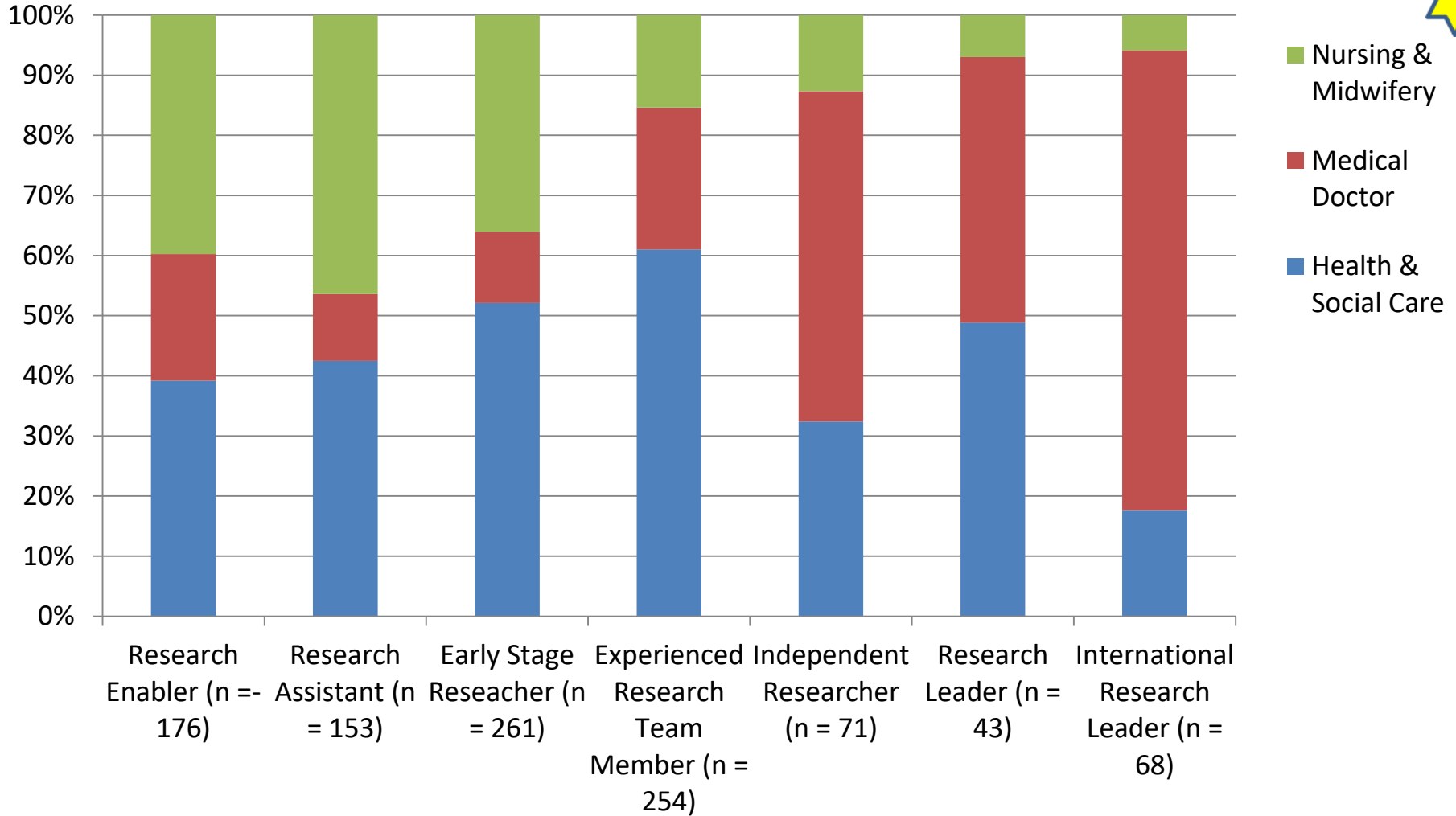


Research Active Staff Survey



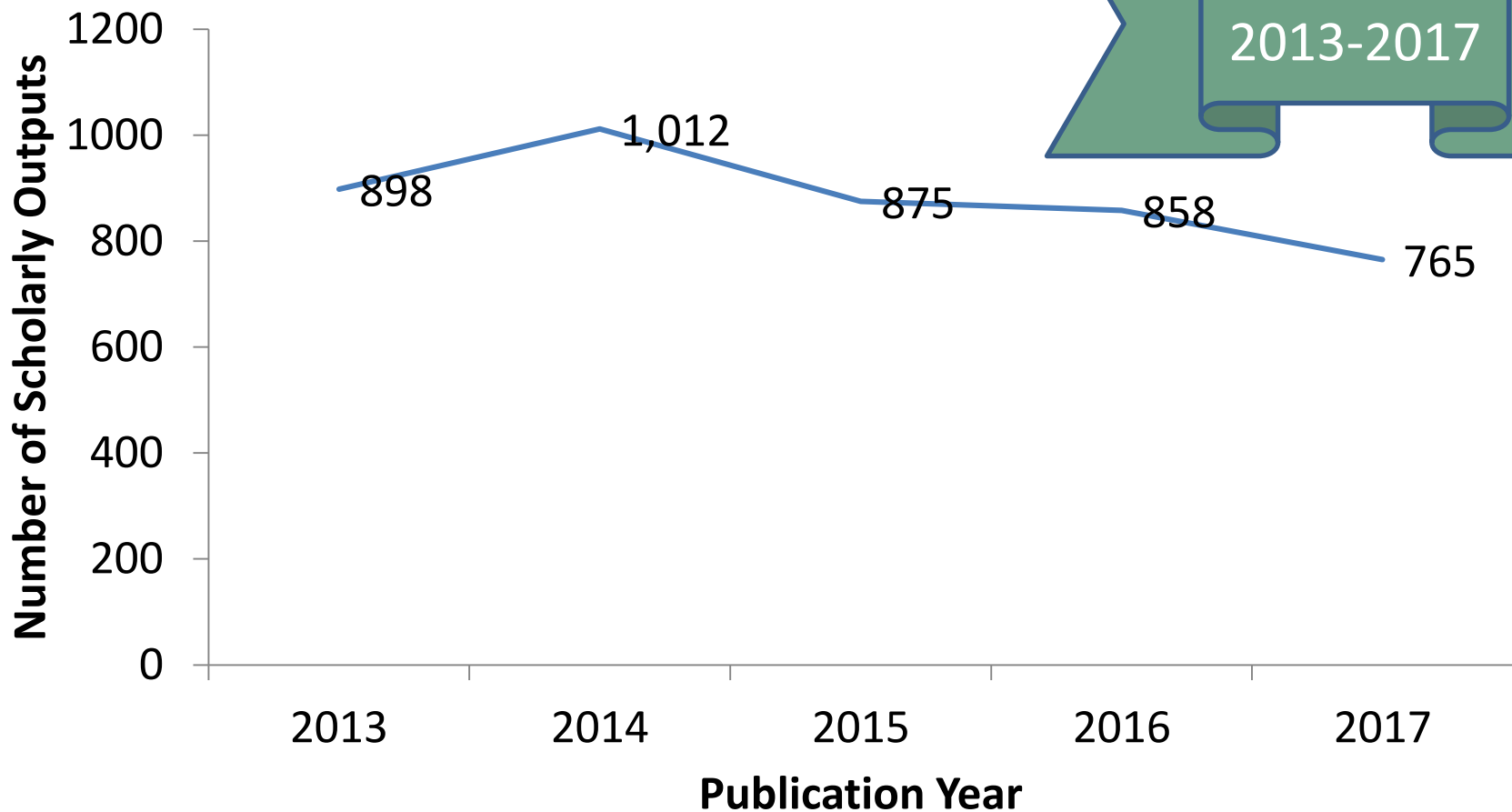
Research Active Staff Survey

Type of Researcher by Profession



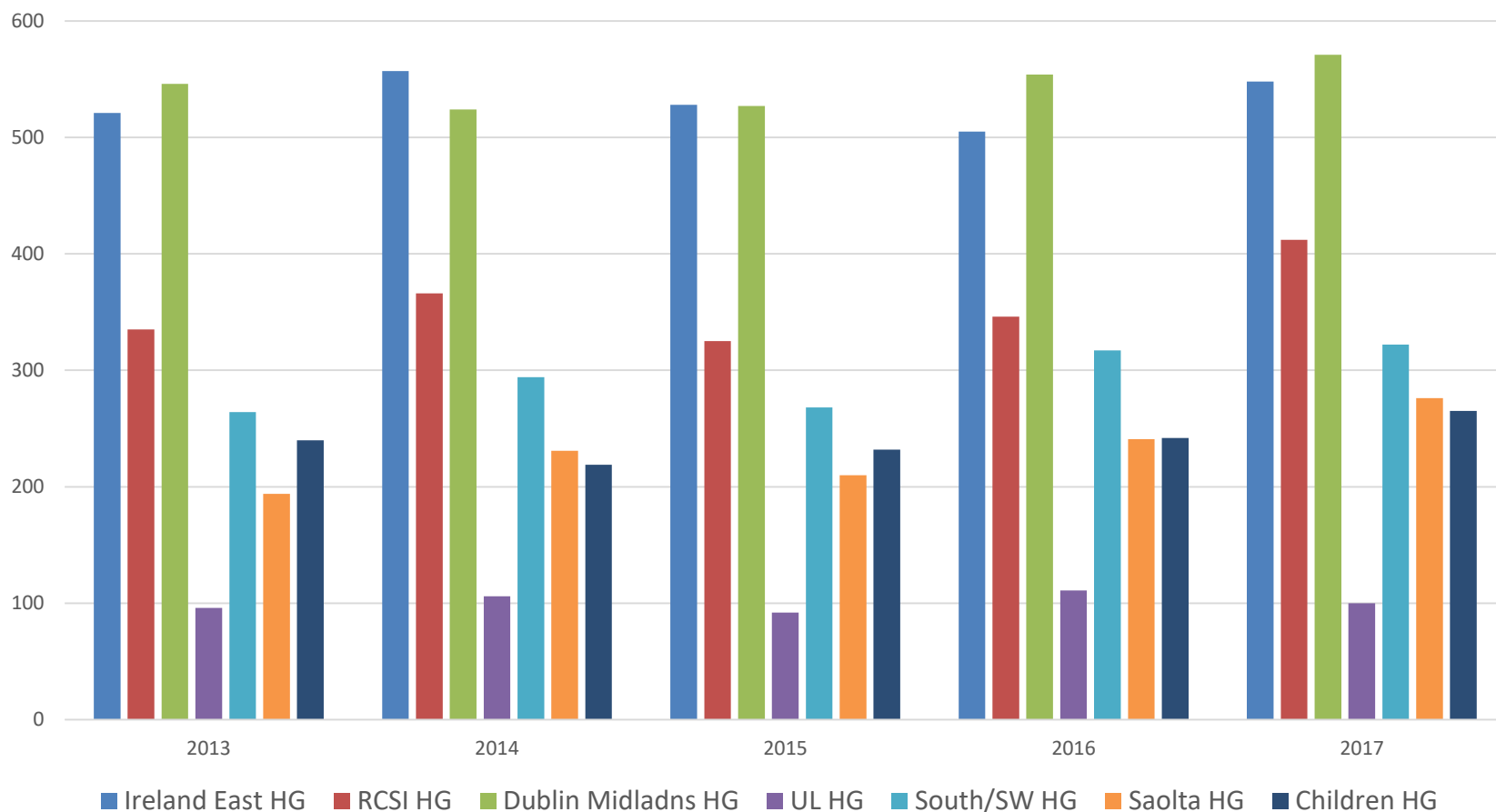
Benchmarking of Research Activity

-Publication output (Scopus)



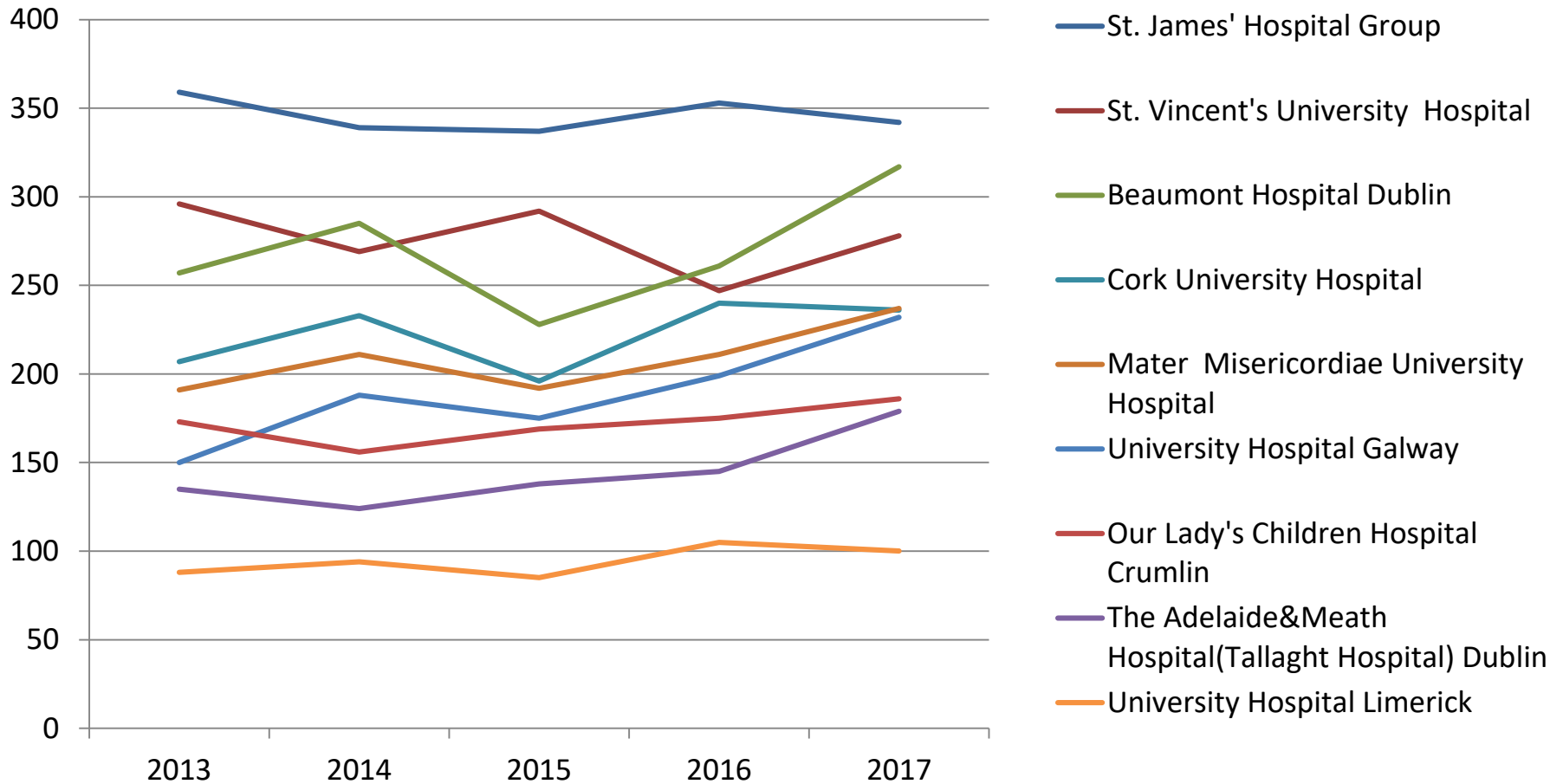
Publication output (Scopus)

By hospital group



Publication output (Scopus)

Hospitals with top publication output (SCOPUS)



Benchmarking of Research Activity

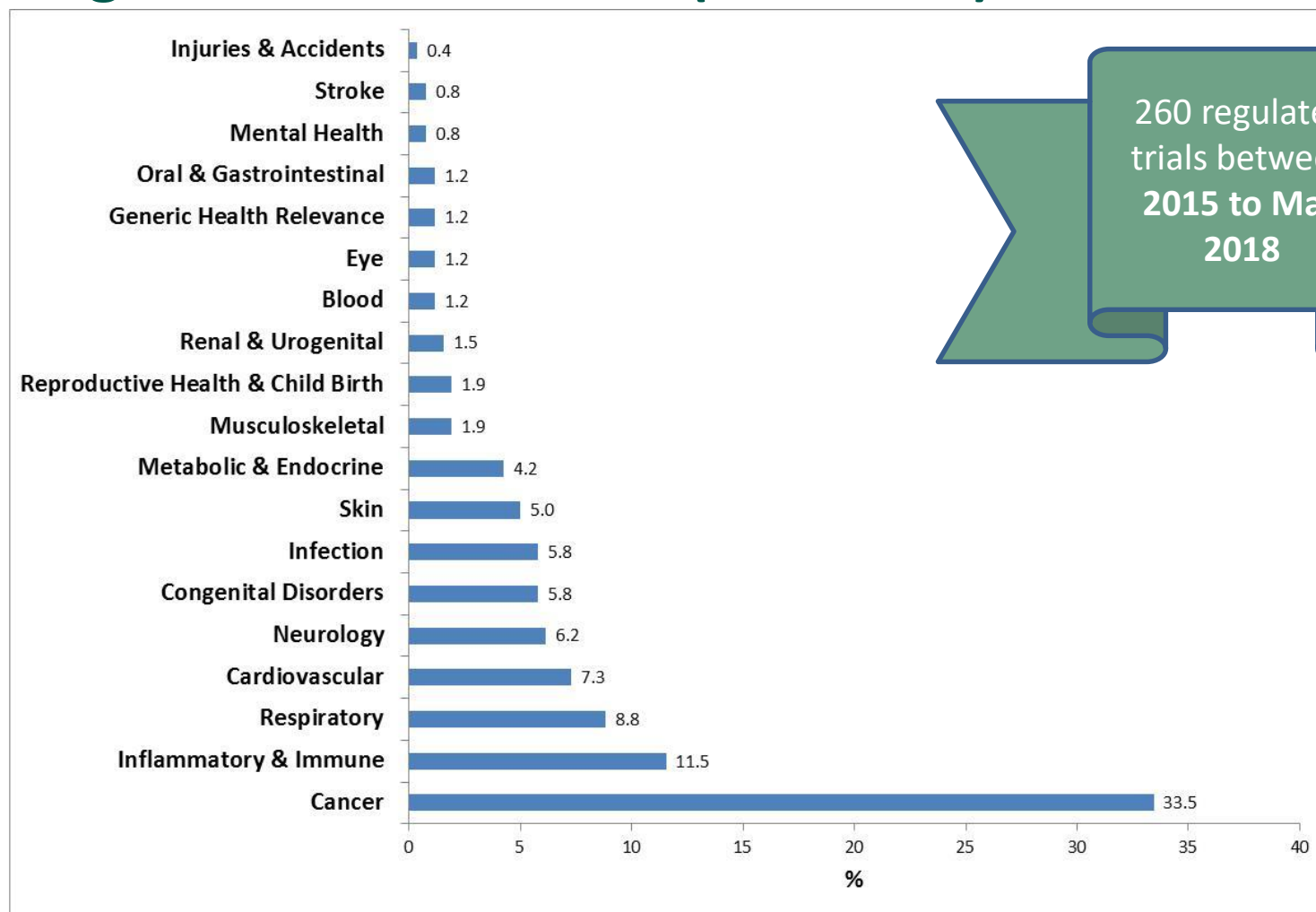
-Clinical Research Networks

Primary Topic	Network Name/ Acronym/ Start Date
Cancer	Cancer Trials Ireland /CTI / 1996
	Blood Cancer Network Ireland / BCNI / 2015
Stroke	HRB Stroke Clinical Trial Network Ireland/ HRB-SCTNI /2015
Critical Care	HRB Critical Care Clinical Trials Network Ireland (HRB CCTNI) /2015
Perinatal	HRB Mother & Baby Clinical Trials Network Ireland (CTNI) /2015
	Perinatal Ireland /2015
Primary Care	HRB Primary Care Clinical Trial Network Ireland (Primary Care CTNI)/ 2015
	HRB Centre for Primary Care (CPCR)/ 2008
Inflammatory Bowel Disease	Investigator Network for Inflammatory Bowel Disease Therapy in Ireland/ Initiative
Hepatitis C	Irish Hepatitis C Outcomes Research Network /ICORN/ 2012
Vasculitis	VINE: The Vasculitis Irish Network/ 2012
Respiratory	Respiratory and Asthma Research Network/ INCA Studies
Arthritis	Arthritis Research Coalition/ 2016
Cross-border HC Intervention Trials	Cross-border Healthcare Intervention Trials In Ireland Network (CHITIN)/ 2018

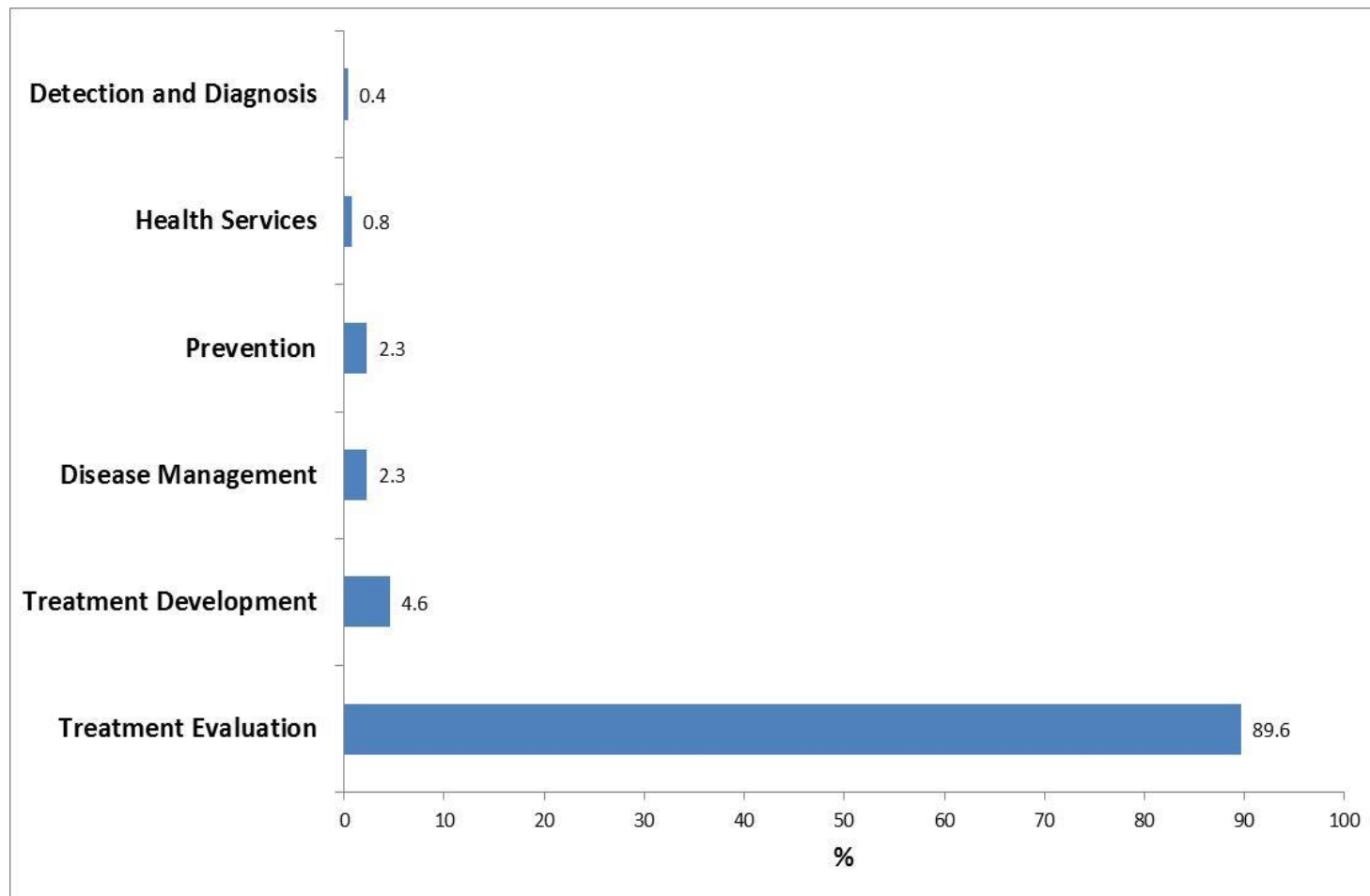
+ many more Clinical/Academic Research Centres and Specialist Interest Groups involved in clinical research

Benchmarking of Research Activity

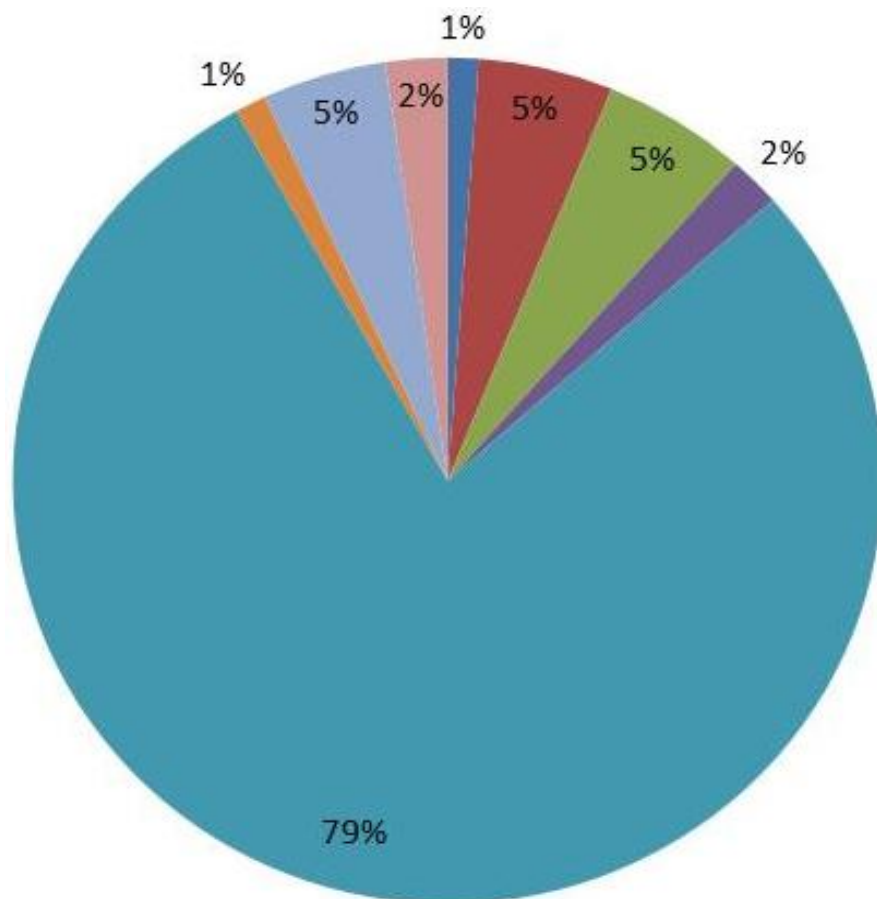
-Regulated Clinical Trials (EUDRACT)




Regulated Clinical Trials (EUDRACT)



Regulated Clinical Trials (EUDRACT)



- Cancer Trials Ireland (3 studies, 1%)
- European non-for-profit organisation (13 studies, 5%)
- Foreign University (14 studies, 5%)
- Irish Hospital (5 studies, 2%)
- Industry (204 studies, 79%) 
- Investigator (3 studies, 1%)
- Irish University (12 studies, 5%)
- Foreign Medical Centre (6 studies, 2%)

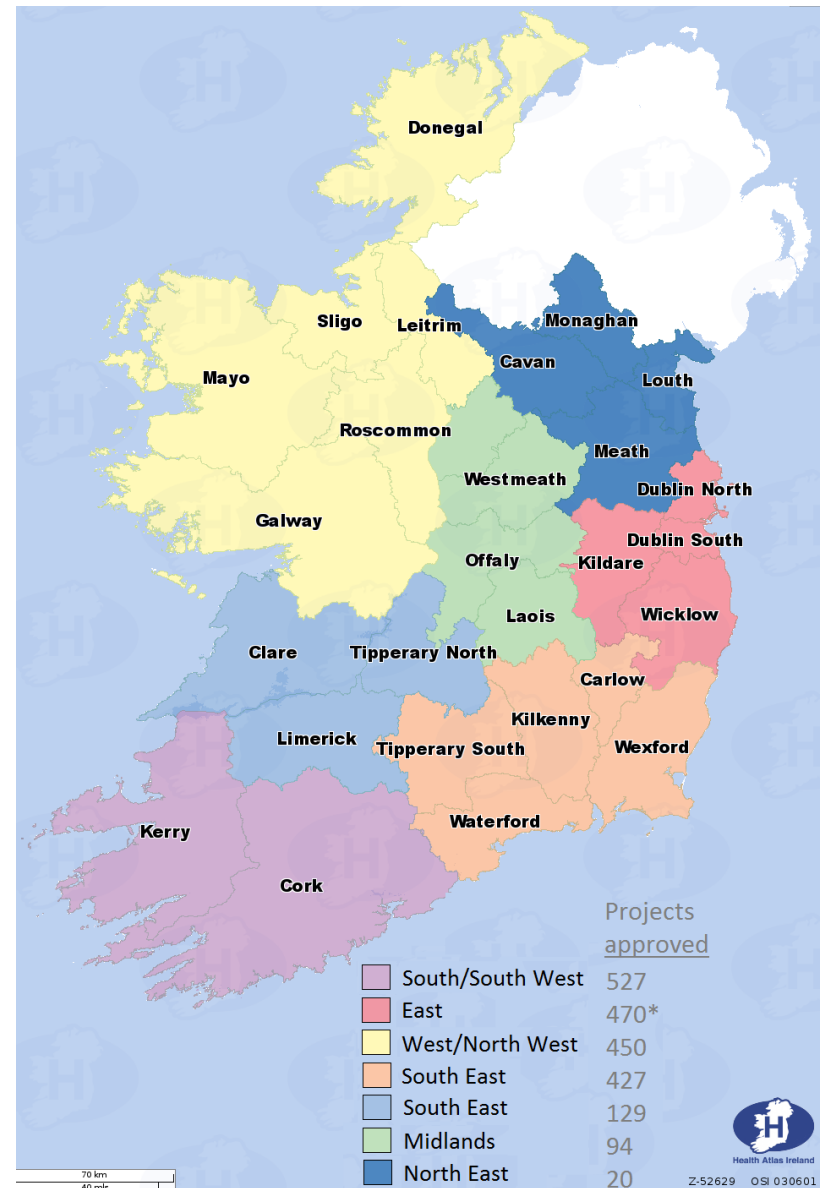
Benchmarking of Research Activity

-REC approved research (In progress)



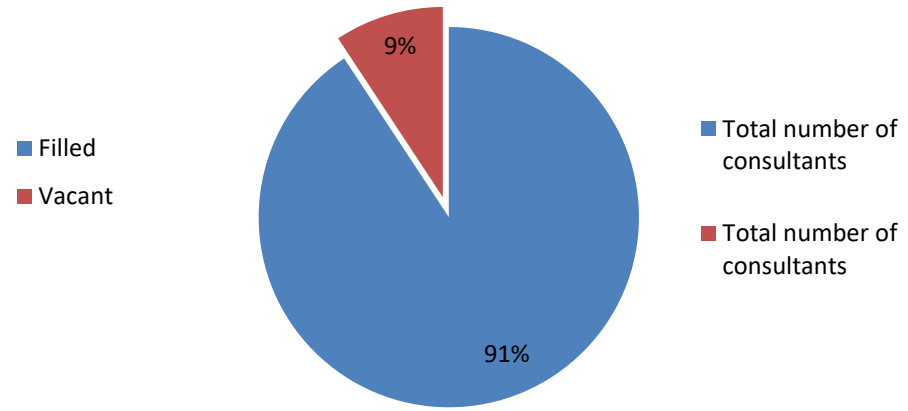
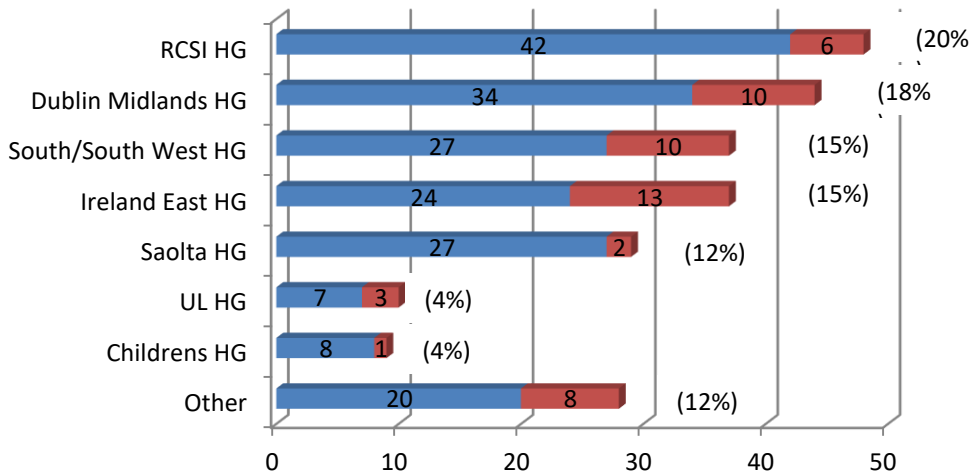
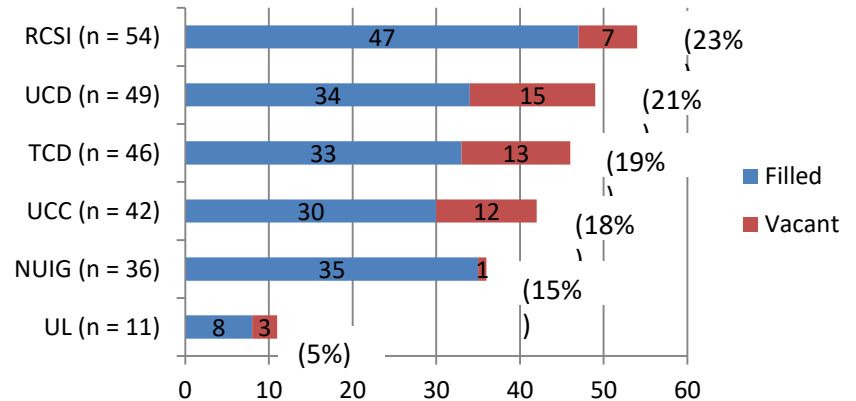
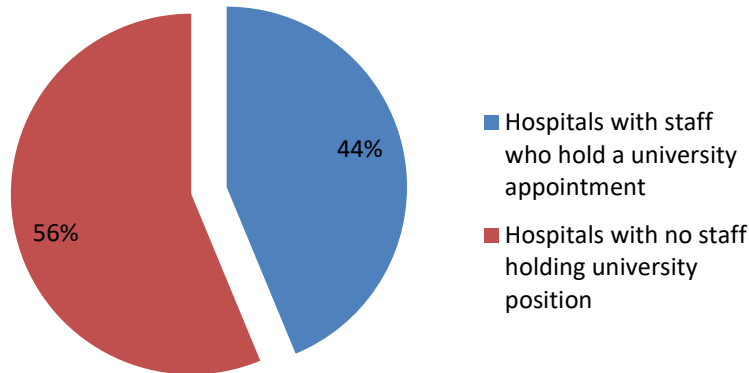
REC approved research (Data gathering and analysis in progress)

Over 2,100
projects
approved in
2017



Benchmarking of Research Activity

-Health Service Staff with university appointments.



So... where are we?



But this is where are we going!





Acknowledgements and thanks

- Research Ethics Committees
- Research Support Offices in 3rd level institutions
- HRB
- Health Intelligence Unit
- Library Services
- HSE Staff (Survey)