

Advancing Research Impact: Lessons from Trinity's Research Impact Pilot

Sarah Bowman, Director of Strategic Engagement & Impact Assessment
Office of the Dean of Research
7 December 2021

Research Impact Pilot Project (2020 – 2022)

"Begin a discussion that broadens our thinking around what research impact is"

OFFICE OF THE DEAN OF RESEARCH



Dr Fiona Killard



Dr Ruth Doherty



Dr Jennifer Daly



Dr Penny Storey



Sarah Bowman
PPI Ignite (2017-2020)
ODRes (2020 – Present)

TRINITY LONG ROOM HUB



Dr Giovanna Lima Prof Eve Patten Prof Jane Ohlmeyer

SCHOOL OF MEDICINE



Bridget Gavin
Prof Louise Gallagher
Prof Ursula Fearon

Our Strategic Plan









Civic action

Through our teaching, research and public engagement, we courageously advance the cause of a pluralistic, just and sustainable society.



Organisation

We foster an effective and flexible organisation, which values all members of our community.

Research

Pursued at the frontiers and intersections of disciplines, our research benefits our students, Ireland, and the world.



We challenge our students to think independently, communicate effectively, act responsibly, and develop continuously, equipping them for lives of active citizenship.





A Living Research Excellence Strategy

Our vision is to engage in research with the quality, intensity, depth, diversity, and openness that leads to fundamental breakthroughs, new understandings, key insights, and that can make translational and transformative advances – or, to build a world in which we want to live.













Broaden Our Local and Global Impact

05. BROADEN
OUR LOCAL AND
GLOBAL IMPACT

- Understanding impact in its fullest form
- Taking the lead on articulating impact
- Building collaborations and partnerships of strategic importance
- Identifying and delivering opportunities for local and global impact
- Supporting researchers in translating research into tangible benefits
- Exemplifying the diverse forms of scholarship in Trinity's research landscape
- Supporting researchers in articulating the great impact they are already making
- Advancing approaches to research that engage and involve stakeholders
- Embracing open scholarship concepts
- Leveraging the expertise of our alumni network
- Expanding and diversifying research funding to advance high-quality research

Our Approach to Advancing Research Impact

Build Capacity for Research Impact by Supporting Strategic Efforts

Help Researchers Describe Their Impact In Ways that Matter to Them

Broaden Our Thinking Around What Research Impact Is

Integrate Research Impact into Complementary Efforts

Share Good Practices and Resources to Nurture Talent

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Build Capacity for Research Impact by Supporting Strategic Efforts



School of Medicine

Research Strategy: 20

Research Strategy: 2021 - 2026

School of Medicine Research Strategy: 2021 - 2026

Identified Their Research Strengths



Children's Health



Cancer



Personalised Medicine



Mental Health & Neuroscience



Infection & Immunology



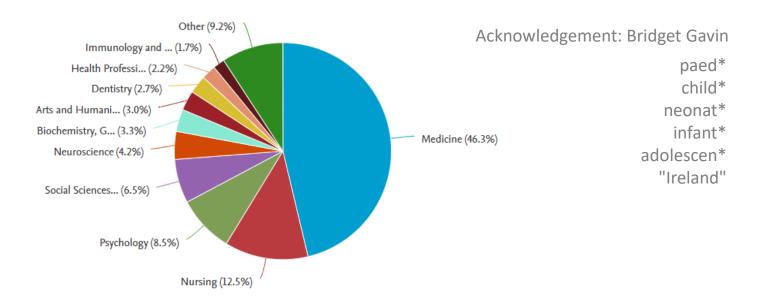
Population
Health and
Health Policy



Ageing

Showcasing Our Strengths: Child Health Research

Child Health Research Publications TCD 2010-2021 by Subject Area, Scopus, Dec 2021



An estimated **940 peer reviewed articles, reviews and conference papers** were authored or co-authored by researchers affiliated to Trinity College Dublin for the period 2010-2021. *Source Scopus December 2021*

Showcasing Our Strengths: Child Health Research



Professor Eleanor Molloy

How is our research in Child Health informing policies and clinical guidelines?

Showcasing Our Strengths: Our Influence on Child Health Policy

Acknowledgement: Bridget Gavin, Overton, Dec 2021 [888 / 940 DOIs]

POLICY SOURCE TYPES	
Government (Healthcare Agency)	131 (60)
Think Tank	54
International Government Organisation	37
Other	42

Article count 212 Cited in countries 33 Cited in sources 124

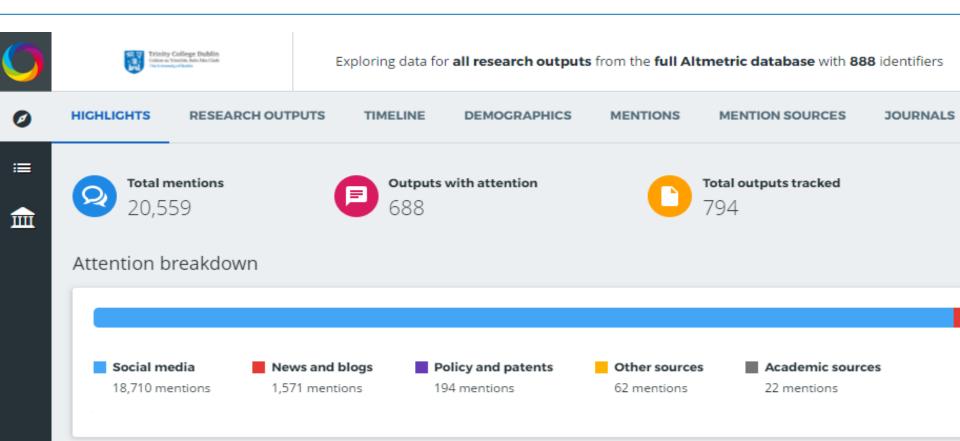


KEY POLICY SOURCES Guidelines in PubMed Central (USA) 39 Word Health Organisation 31 ESRI (Ireland) 29 NICE (UK) 20 Publications Office of the European Union 15 GOV.ie (Ireland) 12 GOV.UK (UK) 10 Agency for Healthcare Research and Quality (AHRQ) European Monitoring Centre for Drugs and Drug Addiction (EMCDDA)

Psychiatry and Mental Health 39 Public Health, Environmental and Occupational Health 31 Paediatrics, Perinatology and Child Health 29 Health (social science) 20 Medicine (miscellaneous) 15 Obstetrics and Gynecology 12

How Visible is Our Research on Social and News Media?

Acknowledgement: Bridget Gavin, Altmetric, Dec 2021 [888 / 940 DOIs]





Research Impact Assessment Is Purpose-Driven & Audience-Specific

We Must Get Our 'Houses' in Order

STEP 4: Organise that information into a format appropriate to your audience and the purpose of the communication.

STEP 3: Summarise the work of all the primary PIs and research groups using a template with predetermined key criteria.

STEP 2: Perform an audit and ensure the digital record is accurate for all of those academics, research groups and clinical associates.

STEP 1: Identify the academics, research groups and clinical associates across all affiliated sites involved in "X" (e.g. Child Health Research).

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Research Impact Case Study



1641 Depositions: Sharing Our History, Building a Legacy

The 1641 Depositions provide the chief evidence for the sharply contested allegation that the 1641 Rebellion began with a massacre of Protestant settlers in Ireland. As some of the most controversial documents in Irish history, the Depositions have been exploited by propagandists, politicians and historians, and the disagreements surrounding them have never been satisfactorily resolved. As a result, they have been central to one of the most protracted and bitter of historical debates.

The 1641 Depositions Project made publicly available, online, a unique and unparalleled source of information for the causes and events surrounding the 1641 Rebellion and for the social, economic, cultural, religious, and political history of seventeenth century Ireland, England and Scotland. This project has transformed our understanding of how controversial events are recorded and remembered. In doing so, it has made a contribution to the on-going peace process in Ireland and become a flagship digital humanities project for others to learn from.

This project showcases Trinity's expertise in curating and cataloging historical collections. Our research teams enhance technologies, ensuring the conservation and preservation of artefacts. We generate new research opportunities and encourage public scholarship to address societal challenges.

Trinity Long Room Hub Arts & Humanities Research Institute

PRINCIPAL INVESTIGATORS:

Professor Jane Ohlmeyer; Professor Micheál Ó Siochrú; Professor John Morrill: Professor Thomas Bartlett: Professor Aidan Clarke

TRINITY COLLEGE DUBLIN: School of Histories and

Humanities: the Library of Trinity College Dublin

COLLABORATORS: University of Aberdeen;

University of Cambridge; IBM; Eneclann; ADAPT

FUNDERS:

Irish Research Council: UK Arts & Humanities Research Council; Library of Trinity College Dublin

SUBJECT AREAS:

History: English: Geography: Library; Linguistics; Language and Literature; Computer Science: Information Science

IMPACT KEYWORDS:

Cultural Heritage; Innovative Technologies; Peace Building; Knowledge Exchange; Open Scholarship











Research Impact Case Study Guide

This guidance document outlines key information useful to the development of a research impact case study. As you set out to tell your story, three questions must be answered: 1) why do you want to tell this story; 2) who is your primary audience; and 3) what format and level of detail are appropriate for that audience? With this knowledge in hand, the impact case study is customised to capture necessary information.

For Page 1, identify a photograph, graphic, design, video or image that represents your research project. It should be provocative, interesting, and in high resolution. This image can be sized to allow for more or less text on this page.

Principal Investigators could also record a video to embed within the case study, to provide a personalised welcome to the reader, offer a statement on the project's impact, or showcase the specific outcomes through embedded media throughout.

Project Name: Impact-focused title about your story

A research impact case study is a concise audience-facing document that highlights the relevant impacts that have resulted from a research project. In this section, provide introductory information about the project. First, understand the story you want to tell. Reflect on the multiple results and benefits resulting from your research. Then, in nonspecialist, easy-to-understand language. describe what problem or opportunity existed that your research addressed. Illustrate the status quo for your stakeholders before your research project had its results. This section might include:

 Historical information relevant to the project which provides a context;

- Compelling information on the challenge
- or idea you set out to investigate: The project history that led to this phase of the research journey;
- A unique collaboration that led to this phase of the research journey; or
- A statement about what the project has achieved, which will be explored in this case study.

Don't overstate your impact: be realistic and rigorous in evidencing. Write in plain English, choosing active verbs, and avoiding abbreviations and acronyms. This section, in this format, accommodates 250 words.

SCHOOL / CENTRE / INSTITUTE: Confirm your affiliation

PRINCIPAL INVESTIGATORS: Identify your leaders

TRINITY COLLEGE DUBLIN: Identify TCD collaborators

COLLABORATORS: Identify external collaborators

FUNDERS: Identify funders

SUBJECT AREAS: Find subject groupings here or utilise Scopus Subject Areas

IMPACT KEYWORDS: Choose keywords for your research impact, which can be tied to relevant #hashtags or

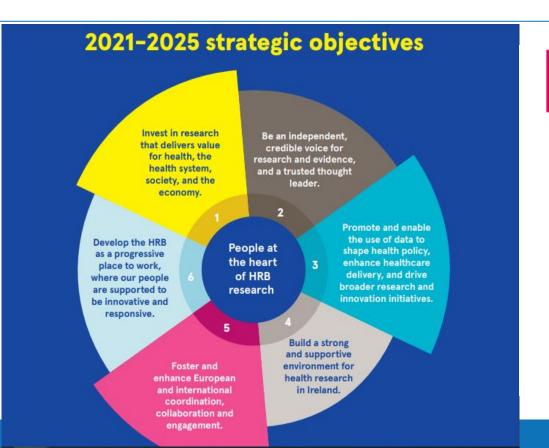
SDG ALIGNMENT: Identify the Sustainable Development Goals your project aligns with below



campaigns

This project showcases Trinity's expertise in ... [Add a value statement here which speaks to your expertise and which is aligned with your strategic priorities. This statement in this format accommodates 50 - 100 words.]

Help Researchers Describe Their Impact In Ways that Matter to Them



Strategic goals and key actions, 2020-2024

In order to realise its mandate, vision and mission, the *Strategic Plan 2020-2024* has five key goals and associated actions which express our core values:

- Enable excellence in people, skills and ideas across all disciplines for discovery and enterprise research.
- Be a partner of choice nationally and internationally to support excellent research that addresses the challenges of our time.
- Demonstrate the value of the research we support, ensuring that the knowledge and innovations generated are shared and exchanged to the maximum extent.
- Make a tangible contribution to innovation, evaluation and reform in the higher education and research ecosystem.
- Achieve and maintain excellence and optimise the IRC's capacity as an organisation.

1. Evidence to Action: Responding to COVID-19

Activating Research Infrastructure to Safeguard a Vulnerable Population

THE IMPACT OF COVID-19 on People Ageing with an Intellectual Disability in Ireland













Encouraging
Evidence-Informed
Decision-Making By
Carers, Service
Providers and
Policymakers

1. Evidence to Action: Responding to COVID-19

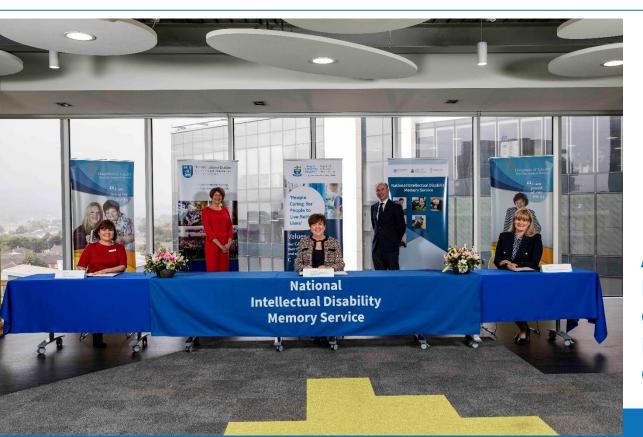
Activating Research Infrastructure to Safeguard a Vulnerable Population

Key Impact Message: IDS-TILDA Data Informed Strategic Responses to COVID-19 by Government, Service Providers and Carers across Ireland.

- COVID-19 Assessment and Recognition Among People with Intellectual Disability: Hosted on HSELanD + 3,750 healthcare professionals in Ireland completed this module.
- Seven-part webinar series for carers and service providers, between April and May 2020, to address information gaps: 10,000 attendees + 6,000 views.
- Engagement with Houses of the Oireachtas, Minister Anne Rabbitte, TD, Special Committee on COVID-19; Federation of Voluntary Service Providers; Dr Colm Henry, HSE Chief Clinical Officer, Dr Tony Holohan, Chief Medical Officer, and Others: vaccine + booster prioritisation for people with ID.

2. Evidence to Action: Transforming Health Care Delivery

Launching the National Intellectual Disability Memory Service



Addressing Service Gaps,
Promoting Access to Quality
Care & Delivering Better
Health Outcomes through
Collaboration

NIDMS: Impact Framework – Pilot

Planning for Impact

- Better Patient Outcomes
- Better Experiences of Care
- Staff Development

The National Intellectual Disability Memory Service



The National Intellectual Disability

Memory Service is a centre of
excellence in proactive dementia
assessment and diagnosis for people
with an intellectual disability (ID),
particularly supporting people with
Down syndrome given their
increased genetic risk for dementia.

MORE

2. Evidence to Action: Transforming Health Care Delivery

Launching the National Intellectual Disability Memory Service

Key Impact Messages: By delivering Ireland's first National Intellectual Disability Memory Service, we are advancing *National Dementia Strategy* and *Sláintecare* Strategic Priorities.

- Between August 2020 and February 2021, NIDMS delivered 79 clinics, 40 consensus meetings, and 32 consultations. Based on these activities, NIDMS has collected data which supports:
 - Better Patient Outcomes: Includes patient testimonials on positive experiences of assessment, diagnosis, and the delivery of post-diagnostic supports;
 - Better Experiences of Care: Includes testimonials by patients, carers, and service providers
 on reductions in feelings of worry and stress, as well as appreciation for timely diagnoses,
 and the delivery of respite and support services; and
 - Continued Development and Supported Staff: Includes recognition by staff on process improvements in the delivery of care, as well as greater equity in accessing services, and changes in local practices due to engagement with NIDMS.

3. Evidence to Action: Building Capacity for Change

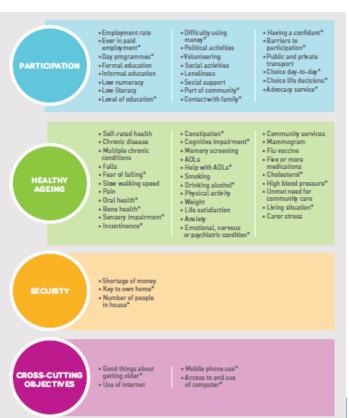
Developing Positive Ageing Indicators with People with Intellectual Disabilities



Delivering A More Equitable Health Policy Landscape

3. Evidence to Action: Building Capacity for Change

Developing Positive Ageing Indicators with People with Intellectual Disabilities



HOUSING TECHNOLOGY TO THEIR OWN HOME intellectual disability LIVE WITH 5+ PEOPLE

DIFFICULTY

MONEY

ENGAGED IN DAY PROGRAMMES

WHAT THEY WANTED TO DO

ONE OR MORE SOCIAL ACTIVITY

AT LEAST ONCE A WEEK

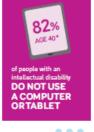
WITH USING

PARTICIPATION

WERE NOT IN

EMPLOYMENT

OPEN PAID





COMMUNITY

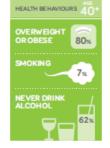


HEALTHY AGEING





















In November 2021, IDS-TILDA was successful in its funding application to the Health Research Board for Wave 5 of the study. During the review process, the International Review Panel noted that IDS-TILDA was 'one of the most significant studies on ageing of people with ID in the world'.



'Without the support of the Impact Team – Sarah, Giovanna, Bridget – I can say with confidence that despite my hard work over the years, I would not have been fully aware of the reach or impact of my research. Thanks to the Impact Team!' - Professor Mary McCarron

Worksheet: Profile Inventory

2. ORCID

- I have an ORCID in that distinguishes me from every other researcher
- My ORCID biography is connected to Trinity College Dublin and is up to date
- My publications list is updated on my ORCID profile
- I have other professional profiles connected to my ORCID page, such as TCD Research Profile
- ☐ My ORCID keywords are relevant to my research and career ambitions

TRINITY'S RESEARCH SUPPORT SYSTEM (RSS)

- My RSS Profile is fully up to date with extensive information in Biography sections including Teaching, Research Interests, Service to Discipline, Qualifications, Memberships, Awards, Education, Conferences, Collaborations, Keywords, Tags, Projects, Publications, References
- ☐ My RSS Profile is connected to my ORCID profile
- My RSS Profile is consistent with my CV and publications list
- ☐ Where relevant, my publications have permanent identifiers (e.g. DOIs or URLs)
- ☐ When relevant, I have uploaded my publications to <u>TARA</u>, Trinity's **Open Access** Repository

Researcher Profile Development
Showcasing Researcher Excellence Workshops

Showcasing Researcher Excellence: Prof Mary McCarron

Acknowledgement: Dr Giovanna Lima, Dec 2021

- 19.3% of publications (2011-2020) are in the top 10% most cited publications worldwide, with over 1.3k citations accumulated (SciVal);
- 84.3% of scholarly outputs (2011-2020) were in collaboration with international partners (SciVal);
- 32 of publications have been cited in 26 Policy Documents from 20 Different Sources and from 9 Different Countries, of which 14 are Clinical Guidance Documents (Overton); and 2 of her publications are cited in 2 Patents (Altmetric);
- Her scholarly outputs are cited in articles by The Irish Times, The Conversation and other news outlets and blogs (Altmetric).

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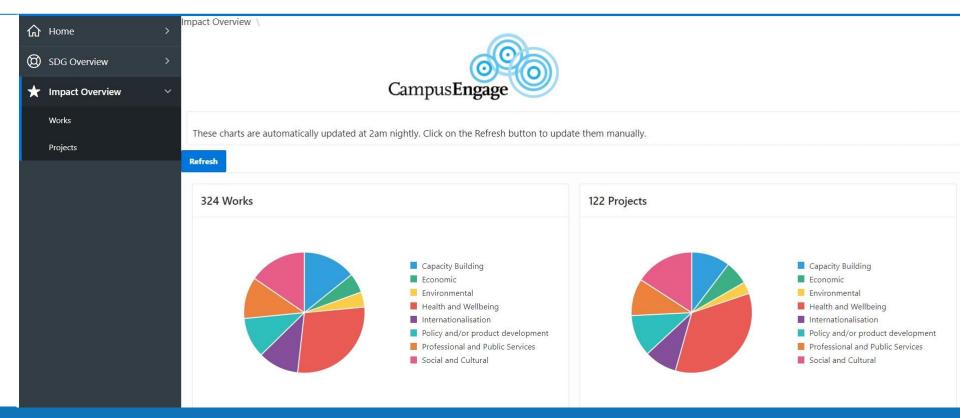
RSS System Upgrades

Identifying Impact for Outputs & Activities



RSS System Upgrades

Identifying Impact for Outputs & Activities



Showcasing Researcher Excellence

Advancing DORA Compliant Approaches



To discuss your wider contribution:

- 1. Generation of knowledge
- 2. Demonstrated leadership in research and scholarship
- 3. Demonstrated innovation in teaching
- 4. Development of individuals and collaborations
- 5. Advancing the research discipline / community / ecosystem
- 6. Service to College / discipline
- 7. Supporting broader societal and economic outcomes

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2020 – 2021 Activities

Research Impact Pilot Project

- 17+ Co-Authored Publications: Peer Reviewed Articles & Grey Literature
- Proposal Development Workshops: €9.48M Awarded / €2.97M TCD +
- Showcasing Researcher Excellence: 30 Workshops; 600+ Researchers Trained
- 12 Webinars: 16,000+ Views
- Updated Role Descriptions: 5 include research impact activities
- Integrated Research Impact into TCD Modules: 5 (School of Nursing & Midwifery;
 Tangent; School of Psychology Climate Crisis Elective; CHARM-EU; PPI Ignite)
- Promotions Success: 2 Researchers
- Impact Award Success: 4 Researchers

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Implement Recommendations for HEIs





ENGAGED RESEARCH FOR IMPACT: SOCIETY AND HIGHER EDUCATION ADDRESSING SOCIETAL CHAILENGES TOGETHER



RECOMMENDATIONS FOR HIGHER EDUCATION INSTITUTIONS

A series of recommendations for higher education institutions were agreed as part of a year-long Campus Engage national and international consultation process. Challenges to advancing engaged research can be addressed by the following actions. Enabling institutional infrastructure must be developed and resources effectively channelled in order to implement policy and practice on engaged research for the benefit of all. This will help to promote research excellence and better position researchers nationally and internationally to achieve impact and social change, as knowledge and innovation leaders.

- Include a clear commitment to engaged research in institutional strategic plans, embedded into research, innovation, teaching and learning activities;
- Identify a senior leader to strategically implement engaged research policies, with responsibility for advancing enabling infrastructure to promote and support higher education institution-community research partnerships;
- Broaden research metrics to recognise and reward the impact of engagement in realising societal benefits;
- Provide institutional reward and recognition for engaged research and reflect this in hiring and promotions procedures;
- Identify and develop research career pathways to encourage sustained engagement between researchers and community partners;
- Accommodate flexible scheduling and timetabling of workloads to facilitate engaged research activities;
- Ensure engaged research is integrated into undergraduate curricula, and postgraduate and doctoral training;
- Put in place simplified payment/reimbursement systems and processes that facilitate partnering and that accommodate non-university staff;

- Allocate funding for engaged research travel and conferences, application writing supports and transdisciplinary team development;
- Develop local communication and information systems to facilitate disciplines, departments and colleges in capturing past and ongoing engaged research projects, promoting mutual learning and avoiding duplication of effort;
- Develop resources including case studies, methods toolboxes and evaluation frameworks in order to share lessons learned and to support researchers:
- Provide and fund structured networking opportunities with higher education staff for interested public or professional service and product users, policy-makers, civil and civic society organisations, and members of the public who are interested in collaborating:
- Provide and fund training on good practice for engaged research, in partnership with public or professional service and product users, policy-makers, civil and civic society organisations, and members of the public.



Thank You!

Sarah Bowman
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Office of the Dean of Research

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