



Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

Trinity Centre for Maternity Care Research

2022

ANNUAL REPORT





Trinity College Dublin
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1 Message from the Director

It gives me great pleasure to present the 2022 report from the Trinity Centre for Maternity Care Research (TCMCR).

The TCMCR's official launch in September 2022 was a wonderful, engaging and enthusiastic event with representations from women and consumer organisations and health and social care professionals from a wide range of practice areas.

The TCMCR aims improve outcomes for women, their babies and children, partners and families in diverse social settings through all stages of the reproductive cycle.

We can achieve this together when those in our care are central to research activities and all research conducted it with and for them, and we prioritise conducting research and other quality improvement initiatives with women and all our health and social care professional partners.

Genuine collaboration will help us ask the right questions and answer the questions that respond to issues of local, national and global significance to childbearing women.

This 2022 report represents the achievements of many and has been co-produced by all our members. As you read through it, you will see that the TCMCR has achieved numerous outputs and outcomes spanning diverse topics using multiple research methodologies, and many have had impact.

Associate Professor Déirdre Daly



2 Scope of the Trinity Centre for Maternity Care Research (TCMCR)

The Trinity Centre for Maternity Care Research (TCMCR) was established in 2019 and officially launched in September 2022. This is the third annual report, covering the period January to December 2022. The Centre is based in the School of Nursing and Midwifery and is the first academic centre to focus solely on the key issues facing pregnant and postpartum women, and their families.

Vision

The Trinity Centre for Maternity Care Research is dedicated to achieving excellence in original maternity care research to help drive improvements in pregnancy, childbirth, early parenthood and early childhood care. The Centre prioritises research collaboration with women and families, clinicians in our partner maternity hospitals, national and international colleagues, and industry, to identify and respond to research questions of local, national and global significance to childbearing women.

Aim

To achieve enhanced quality of life and improved outcomes for women, their babies, partners and families through all stages of the reproductive cycle, in diverse social settings.

This aim is achieved through research and practice development, research education and research dissemination.



3 TCMCR Strategic Objectives

The People at the Centre of our Services



The main objectives of the Centre are to:

- conduct high-quality research, with and for women and families, that will have high impact and lead to improved care outcomes for parents, babies and families.
- generate and present research evidence on best practice for maternity care, in a user-friendly, publicly accessible format to address society-wide concerns about issues in relation to pregnancy, birth, early parenting and early childhood.
- assist in the development of evidence-based guidelines for maternity health service providers that are respectful of women's autonomy, needs and experiences and will inform practice.
- support clinicians to implement these guidelines to change and improve their practice.
- identify and form teams and collaborative links between clinical and academic staff in our partner maternity and children's hospitals, for the purpose of conducting practice-based research that will enhance the impact of research outcomes on maternal and family health and services.
- support and develop doctoral students' and early career researchers' knowledge and research experience.
- mentor clinical colleagues to conduct research projects as needed at local level.
- strengthen existing national and international interdisciplinary research links, and develop new international collaborations designed to increase and enhance research capacity in maternity care research.
- continue to lead the field in the involvement of women and their families, as service-users, in all aspects of research planning, design, development and implementation, as full collaborative research partners.

4 TCMCR Membership

Director

Dr Déirdre Daly, Associate Professor in Midwifery.

TCMCR Executive Committee

Dr Deirdre Daly, Director of TCMCR.

Dr Louise Gallagher, Assistant Professor in Midwifery.

Professor Agnes Higgins, Professor in Mental Health.

Professor Valerie Smith, Professor in Midwifery.

Ms Niamh Healy, Antenatal Educator and Consumer representative.

Dr Sharon O' Donnell, Director of Research and Associate Professor in Critical Care Nursing.

Dr Mary Hughes, Associate Professor in Children's Nursing.

Dr Eleanor Hollywood, Assistant Professor in Children's Nursing.

Ms Annabel Walsh, School Financial Manager.

Dr Luciana Lolich, Research Impact Officer.

Dr Ekaterina Kozina, Research Projects Officer.

Dr Elizabeth Farsaci, Research Fellow, Centre for Health Policy and Management.

Ms Ursula Nagle, Advanced Midwifery Practitioner, Perinatal Care Mental Health, Rotunda Hospital.

Ms Nora Vallejo, Advanced Midwifery Practitioner, Coombe Women and Infants University Hospital.

Principal Investigators (PIs)

Professor Agnes Higgins, Professor in Mental Health Nursing.

Professor Valerie Smith, Professor in Midwifery.

Dr Mary Hughes, Associate Professor in Children's Nursing.

Dr Eleanor Hollywood, Professor in Children's Nursing.

Dr Vivienne Brady, Assistant Professor in Midwifery.

Dr Louise Gallagher, Assistant Professor in Midwifery.

Professor Joan Lalor, Professor in Midwifery.

Other associated researchers (internal)

Mr Colm O'Boyle, Assistant Professor in Midwifery.
 Ms Kathryn Muldoon, Assistant Professor in Midwifery.
 Dr Vivienne Brady, Assistant Professor in Midwifery.
 Dr Margaret Dunlea, Assistant Professor in Midwifery.
 Dr Sunita Panda, Assistant Professor in Midwifery.
 Ms Ashamole Clive, Clinical Tutor.
 Ms Laura O'Shea, Assistant Professor in Midwifery.

Other associated researchers (linked hospitals)

Ms Patricia Hughes, Adjunct Assistant Professor.
 Ms Ann MacIntyre, Director of Midwifery and Nursing, Coombe Women and Infants University Hospital.
 Dr Sharon Sheehan, Consultant Obstetrician, Coombe Women and Infants University Hospital.
 Professor Fergal Malone, Master and Consultant Obstetrician, Rotunda Hospital.
 Ms Cinny Cusack, Physiotherapy Manager, Rotunda Hospital.
 Ms Mary Deering, Practice Development Co-ordinator, Rotunda Hospital.
 Ms Fiona Hanrahan, Director of Midwifery and Nursing, Rotunda Hospital.
 Ms Ciara Roche, Clinical Midwife Manager, Rotunda Hospital.
 Dr Deirdre O'Malley, Lecturer in Midwifery, Dundalk Institute of Technology (DKIT).

Other associated researchers (postgraduate students)

Information on Projects are on page 31

Ms Atiya Salim Alfurqani	Ms Lucy Corcoran
Ms Silvia Alós Pereñíguez	Ms Elizabeth Culleton-Quinn
Ms Jill Atkinson	Ms Susan Hannon
Ms Lorraine Carroll	Ms Ciara Henderson
Ms Louise McCulloch	Ms Katie Hill
Ms Ursula Nagle	Ms Julika Johanna Hudson
Ms Sofia O'Byrne	Ms Kate Masterson
Ms Jennifer Trainor	Ms. Kathleen Hannon

Other associated researchers (external)

Ms Niamh Healy, Antenatal Educator and consumer representative, Cuidiú, and Steering Committee member.

Ms Krysia Lynch, Chairperson, Association for Improvement of the Maternity Services Ireland.

Professor Declan Devane, School of Nursing and Midwifery, NUI Galway.

Professor Charles Normand, Edward Kennedy Professor of Health Policy & Management, TCD.

Professor Michael Turner, National Lead for the HSE Clinical Programme in Obstetrics and Gynaecology.

Dr Paul Corcoran, Senior Lecturer in Perinatal Epidemiology, National Perinatal Epidemiology Centre and the Department of Epidemiology and Public Health, UCC, Cork.

Dr Sara Leitão, Research Officer, National Perinatal Epidemiology Centre, UCC, Cork.

Professor Mechthild Gross, Hannover Medical School, Germany.

Professor Ingela Lundgren, Sahlgrenska Academy, University of Gothenburg, Sweden.

Professor Marie Berg, Sahlgrenska Academy, University of Gothenburg.

Professor Koen Putman, Interuniversity Centre for Health Economics (I-CHER), Vrije Universiteit Brussel, Belgium.

Professor Andrew Weeks, University of Liverpool, UK.

Ms Gill Gyte, Consumer Representative, Cochrane Collaboration, UK.

Ms Karen Guilliland, CEO, New Zealand College of Midwives, NZ.

Dr Lesley Dixon, Practice Development Officer, New Zealand College of Midwives, NZ.

Professor Yvonne Hauck, School of Nursing, Midwifery and Paramedicine, Curtin University, Perth, Australia.

Dr Liz Newnham, Griffith University, Australia.

Professor Christine Rubertsson, Department of Women's and Children's Health, Uppsala University, Uppsala, Sweden.

Professor Stephanie Brown, Professor and NHMRC Senior Research Fellow, Intergenerational Health, Murdoch Children's Research Institute, Melbourne, Australia.

Dr Deirdre Gartland, Research Fellow, Intergenerational Health, Murdoch Children's Research Institute, Melbourne, Australia.

Dr Elin Naurin, Senior lecturer and Assistant Professor, Marie Curie Fellow Multidisciplinary Opinion and Democracy Research Group (MOD), Department of Political Science, University of Gothenburg, Sweden.

Ms Marcelina Szafranska, Clinical Skills Tutor, School of Nursing, Midwifery and Health Systems, University College Dublin, Dublin.

Dr Pat Moran, Health Economics Researcher, Department of Health.

5 Research Activities

The three flagship projects of the TCMCR are the MAMMI Study, COST Action 18211 and the Evidence Synthesis in Maternity Care initiative.

The MAMMI Study

<https://www.tcd.ie/mammi/>



The Maternal health And Maternal Morbidity in Ireland (MAMMI) study is a longitudinal cohort study exploring the health and health problems experienced by first-time mothers in Ireland. The study began in 2012, with 3000 nulliparous mothers recruited across three maternity hospitals. Data collection for the five-year follow up study will be completed in 2022, while the development of the ten-year follow-up study survey is currently in progress.

The MAMMI SIM (Second baby survey, Intervention to improve urinary incontinence outcomes and Measuring costs) follow up was completed in 2021. This strand explored the health and health issues of women after the birth of their second baby. The five-year follow-up study continued to explore women's health five years after their first baby's birth and data collection is due to be completed in 2023.





Principal Investigator
Professor Valerie Smith



Evidence Synthesis in Maternity Care Initiative

The TCMCR, through Professor Valerie Smith, as a member of the Executive Board of Evidence Synthesis Ireland (ESI) and as TCD's ESI Lead Partner, is actively supporting evidence synthesis in maternity care.

The primary aim of ESI is to build evidence synthesis knowledge, awareness, and capacity among the public, healthcare institutions, policymakers, clinicians, and researchers on the Island of Ireland. The secondary aim is to generate knowledge on methodological efficiencies in evidence synthesis, as well as make evidence syntheses more useable within health care policy and for clinical practice decision-making. ESI also includes Cochrane Ireland whose mission is to promote evidence-informed health decision-making by producing high-quality, relevant, accessible reviews and other research-synthesized evidence. ESI offers training workshops and webinars (<https://evidencesynthesisireland.ie/training/>), provides funding for studies within a review (SWAR) projects (<https://evidencesynthesisireland.ie/swar/>), hosts a Communicating with the Public mentorship scheme (<https://evidencesynthesisireland.ie/communicationmentorship/>), and hosts an ESI Fellowship scheme (<https://evidencesynthesisireland.ie/fellowships/>).

Through ESI-sponsored Fellowships awarded in 2021-2022, Valerie mentored two ESI Fellows to completion and is currently mentoring one further Fellow on maternity care evidence syntheses projects. The aim of the Fellowship Scheme is to provide Fellows the opportunity to learn about evidence synthesis in general, as well as develop the practical skills of how to plan, design, conduct, and report evidence synthesis, in addition to building capacity for evidence synthesis activity. During the Fellowships, successful Fellows receive structured theoretical training from ESI as well as one-one mentorship.

Prof. Smith, during 2021-2022, alongside ESI Fellowship mentoring, has further supported evidence synthesis activity through education and training workshop facilitation, research supervision (MSc and PhD), and wider international Expert Advisory Group engagement and collaboration.



Principal Investigator
Professor Joan Lalor



Devotion Cost Action CA18211

<https://www.ca18211.eu/>

The main goal of DEVOTION CA18211 is to establish a multidisciplinary pan-European Research Network dedicated to minimising birth trauma and optimising birth experiences. Part of this objective is to focus on the prevalence of birth trauma and work towards universal standards of measuring, assessing and preventing birth trauma.

Unlike other sources of trauma, perinatal or birth-related trauma is relatively unrecognised. Evidence suggests up to 30% of women describe their birth experience as traumatic and experience some symptoms of intrusion, avoidance or hyper-arousal.

In 2016, 5.11 million babies were born in Europe. This means that up to 1.5 million mothers may have had sub-optimal birth experiences. Further, this suggests that over 200,000 mothers and up to 200,000 fathers may have developed PTSD as a result of a traumatic birth.

Developmental research has firmly established that the quality of infant-parent relationships is a critical factor in early and later childhood development, consequently, a family-centred approach to any investigation of birth-related trauma is critical, as trauma can be transmitted within the family system. Given the enormous economic burden it places on women, health systems, and particularly children, relatively small improvements in services to prevent, detect and treat this problem can benefit society significantly.

This COST Action will establish an international multidisciplinary network of researchers, clinicians, NGOs and SMEs to consolidate and disseminate current evidence and coordinate a joint effort to seek ways to prevent, minimise and resolve birth-related trauma, and to optimise emotional and psychological outcomes for parents and families and CA18211 will work to accelerate the translation of that knowledge into best practices that can be shared across Europe to reduce the societal and economic burden arising from birth-related negative/traumatic experiences.

Other Research Projects

Ongoing research projects

Project	Funder	Principal Investigator/ Research Team
Health information and education resources for women with epilepsy from preconception to postpartum	HRB/APA Awards	Dr Deirdre Daly. In conjunction with Dr Aisling Walsh (PI), RCSI.
An evaluation of the 'Where I'm At' project for Meath Women's Refuge and Support Services (MWRSS)	Meath Women's refuge and support services (MWRSS)	Dr Eleanor Hollywood
Joint research project on identifying integrated family support approaches for families living in the International Protection Accommodation system	Tusla and CRA	Dr Eleanor Hollywood
An Evaluation of the Barnardos Ballybeg Playground Service	Barnardos	Dr Eleanor Hollywood
School-aged children and the management of Type 1 Diabetes in the primary school environment: an investigation of how to support children, parents and school	Deans Research Initiative fund- 2020-21	Dr Eleanor Hollywood

ÍCARO: Improving the community health through a transgenerational prevention and training strategy through preconception, pregnancy and post-delivery to reduce obesity	Horizon Europe	Dr Eleanor Hollywood
Developing a model for Public and Patient Involvement (PPI) in maternity care trials	HRB-TMRN/School of Nursing & Midwifery TCD	Professor Valerie Smith
Maternal and Neonatal Salutogenic outcomes in association with midwifery staffing (MaNtiS): A causal inference framework	Swiss National Science Foundation	Professor Valerie Smith
Care bundles for use in maternity care.	Evidence Synthesis Ireland (ESI) Fellowship Scheme (Ref: CBES-2018-001)	Professor Valerie Smith
Maternity care during COVID-19: a qualitative evidence synthesis of women's and maternity care providers' views and experiences	ESI Fellowship Scheme (Ref: CBES-2018-001)	Professor Valerie Smith
Early warning systems in maternity care: a qualitative evidence synthesis of maternity care providers' views and experiences	ESI Fellowship Scheme (Ref: CBES-2018-001)	Professor Valerie Smith
Partners' or support persons' views and experiences of maternity care during COVID-19: a qualitative evidence synthesis	Non-Funded	Dr Vivienne Brady, Ms Ashamole Clive and Dr Sunita Panda

The CORALE Study - Conscientious Objection after Repeal: Abortion, Law and Ethics	Irish Research Council	Professor Joan Lalor
Associating basic and clinical science to reduce childbirth- related traumatic flashbacks and posttraumatic stress	Swiss National Science Foundation	Professor Joan Lalor
Invitation to quote for the provision of evidence to inform the development of innovative midwifery led postnatal services for women in the South- East region of Ireland	Nursing and Midwifery Planning and Development Unit (NMPDU) HSE South East (SE)	Dr Deirdre Daly and Dr Vivienne Brady



6 TCMCR Outputs 2022

Journal Articles

This section lists 32 peer-reviewed papers published by TCMCR members in high-impact scientific journals in 2022.

- AlAmri, N., & Smith, V. (2022). The effect of formal fetal movement counting on maternal psychological outcomes: A systematic review and meta-analysis. *European Journal of Midwifery*, 6. [DOI](#)
- Alòs-Pereñíguez, S., O'Malley, D., & Daly, D. (2022). Women's views and experiences of augmentation of labour with synthetic oxytocin infusion: a qualitative evidence synthesis. *Midwifery*, 103512. [DOI](#)
- Bartels, H. C., Horsch, A., Cooney, N., Brennan, D. J., & Lalor, J. G. (2022). Living beyond placenta accreta spectrum: parent's experience of the postnatal journey and recommendations for an integrated care pathway. *BMC Pregnancy and Childbirth*, 22(1), 1-10. [DOI](#)
- Bovbjerg, M. L., Leitao, S., Corcoran, P., O'Regan, L., Greene, R. A., Manning, E., Byrne, B., Cooley, S., Daly, D., Fallon, A., Higgins, M., Jones, C., Kinsells, I., Murphy, C., Murphy, J., & Bhuiinneain, M. N. (2022). Critical care in obstetrics: Clinical audit in the Republic of Ireland, 2014–2016. *European Journal of Obstetrics & Gynecology and Reproductive Biology*, 279, 183-190. [DOI](#)
- Carroll, L., Byrne, F., Canty, G., Gallagher, L., & Smith, V. (2022). The impact of COVID-19 on attendance for reduced fetal movements during pregnancy. [DOI](#)
- Coghlan, D., Brady, V., O'Leary, D., & Hynes, G. (2022). Exploring vulnerability and risk in an action research writing group: a cooperative inquiry. *Educational Action Research*, 1-18. [DOI](#)
- Corrigan, S., Howard, V., Gallagher, L., Smith, V., Hannon, K., Carroll, M., & Begley, C. (2022). Midwives' views of an evidence-based intervention to reduce caesarean section rates in Ireland. *Women and Birth*, 35(6), 536-546. [DOI](#)
- Corrigan, L., Moran, P., McGrath, N., Eustace-Cook, J., & Daly, D. (2022). The characteristics and effectiveness of pregnancy yoga interventions: a systematic review and meta-analysis. *BMC Pregnancy and Childbirth*, 22(1), 1-21. [DOI](#)
- Culleton-Quinn, E., Bø, K., Fleming, N., Mockler, D., Cusack, C., & Daly, D. (2022). Elite female athletes' experiences of symptoms of pelvic floor dysfunction: A systematic review. *International Urogynecology Journal*, 33(10), 2681-2711. [DOI](#)

- Dado, M., Smith, V., & Barry, P. (2022). Women's experiences of water immersion during labour and childbirth in a hospital setting in Ireland: A qualitative study. *Midwifery*, 108, 103278. [DOI](#)
- Daly, D., Higgins, A., Hannon, S., O'Malley, D., Wuytack, F., Moran, P., Cinny, C., & Begley, C. (2022). Trajectories of Postpartum Recovery: What is Known and Not Known. *Clinical Obstetrics and Gynaecology*, 65(3), 594-610. [DOI](#)
- Daly, D., Moran, P., Wuytack, F., Cusack, C., Hannon, K., & Begley, C. (2022). Prevention and treatment of peripartum urinary incontinence—a survey of hospital-based maternity services in Ireland. *International Urogynecology Journal*, 33(12), 3481-3489. [DOI](#)
- Delaney, H., Devane, D., Hunter, A., Treweek, S., Mills, N., Gamble, C., & Smith, V. (2022). A concept analysis of 'trial recruitment' using the hybrid model [version 2; peer review: 2 approved]. *HRB Open Research* 2022, 3:92. [DOI](#)
- Dencker, A., Thelin, I. L., Smith, V., Lundgren, I., Nilsson, C., Li, H., Ladfors, L., & Elfvin, A. (2022). Neonatal outcomes associated with mode of subsequent birth after a previous caesarean section in a first pregnancy: a Swedish population-based register study between 1999 and 2015. *BMJ Paediatrics Open*, 6(1). [DOI](#)
- Flaherty, S. J., Delaney, H., Matvienko-Sikar, K., & Smith, V. (2022). Maternity care during COVID-19: a qualitative evidence synthesis of women's and maternity care providers' views and experiences. *BMC Pregnancy and Childbirth*, 22(1), 438. [DOI](#)
- Gallagher, L., Smith, V., Carroll, M., Hannon, K., Lawler, D., & Begley, C. (2022). What would reduce caesarean section rates? Views from pregnant women and clinicians in Ireland. *Plos one*, 17(4), e0267465. [DOI](#)
- Hannon, S. E., Daly, D., & Higgins, A. (2022). Resilience in the Perinatal Period and Early Motherhood: A Principle-Based Concept Analysis. *International Journal of Environmental Research and Public Health*, 19(8), 4754. [DOI](#)
- Hannon, S., Newnham, E., Hannon, K., Wuytack, F., Johnson, L., McEvoy, E., & Daly, D. (2022). Positive postpartum well-being: What works for women. *Health Expectations*, 25(6), 2971-2981. [DOI](#)
- Hannon, K., Nilsen, A. B. V., Murphy, M., Eri, T. S., Leahy-Warren, P., Corcoran, P., Leahy-Warren, P., Downe, S., & Daly, D. (2022). What women identify as positive aspects and areas for improvement of maternity care and services in Ireland: An online survey. *Women and Birth*. [DOI](#)

- Hannon, S., Gartland, D., Higgins, A., Brown, S. J., Carroll, M., Begley, C., & Daly, D. (2022). Maternal mental health in the first year postpartum in a large Irish population cohort: the MAMMI study. *Archives of Women's Mental Health*, 25(3), 641-653. [DOI](#)
- Lalor, J. G., Sheaf, G., Mulligan, A., Ohaja, M., Clive, A., Murphy-Tighe, S., Esperanza, D., & Shorey, S. (2022). Parental experiences with changes in maternity care during the Covid-19 pandemic: a mixed-studies systematic review. *Women and Birth*. [DOI](#)
- Leutenegger, V., Grylka-Baeschlin, S., Wieber, F., Daly, D., & Pehlke-Milde, J. (2022). The effectiveness of skilled breathing and relaxation techniques during antenatal education on maternal and neonatal outcomes: a systematic review. *BMC Pregnancy and Childbirth*, 22(1), 1-19. [DOI](#)
- Matvienko-Sikar, K., Avery, K., Blazeby, J. M., Devane, D., Dodd, S., Egan, A. M., Gorst, S.L., Hughes, K., Jacobsen, P., Kirkham, J.J. and Kottner, J., & Williamson, P. R. (2022). Use of core outcome sets was low in clinical trials published in major medical journals. *Journal of Clinical Epidemiology*, 142, 19-28. [DOI](#)
- McTague, K., & Smith, V. (2022). Simulation-based education for nurse and midwife advanced practitioner education: a scoping review protocol. *JB1 Evidence Synthesis*, 10-11124. [DOI](#)
- O'Malley, D., Smith, V., & Higgins, A. (2022). Sexual health issues postpartum—A mixed methods study of women's help-seeking behavior after the birth of their first baby. *Midwifery*, 104, 103196. [DOI](#)
- Remus, A., Lempke, A. F. D., Wuytack, F., & Smith, V. (2022). Outcome measurement instruments and evidence-based recommendations for measurement of the pelvic girdle pain core outcome set (PGP-COS): A systematic review and consensus process. *The Journal of Pain*. [DOI](#)
- Ryan, T., & Smith, V. (2022). Care bundles for women during pregnancy, labor/birth, and postpartum: a scoping review protocol. *JB1 Evidence Synthesis*, 20(9), 2319-2328. [DOI](#)
- Shorey, S., Chan, V., & Lalor, J. G. (2022). Perceptions of women and partners on labor and birth positions: A meta-synthesis. *Birth*, 49(1), 19-29. [DOI](#)
- Smith, V., Hannon, K., & Begley, C. (2022). Clinician's attitudes towards caesarean section: A cross-sectional survey in two tertiary level maternity units in Ireland. *Women and Birth*, 35(4), 423-428. [DOI](#)

- Smith, V., O'Malley, D., & Cithambaram, K. (2022). Early Warning Systems in maternity care: a qualitative evidence synthesis of maternity care providers' views and experiences. *Midwifery*, 112, 103402. [DOI](#)
- Panda, S., Begley, C., & Daly, D. (2022). Clinicians' views of factors influencing decision-making for CS for first-time mothers - A qualitative descriptive study. *Plos one*, 17(12), e0279403. [DOI](#)
- Panda, S., Begley, C., Corcoran, P., & Daly, D. (2022). Factors associated with caesarean birth in nulliparous women: A multicentre prospective cohort study. *Birth*, 49(4), 812-822. [DOI](#)



Conference/Poster Presentations

This section lists poster and conference presentations.

There were 21 scientific conference presentations in 2022

- Alos Pereniguez, S., O'Malley, D., & Daly, D. (2022). Women's views and experiences of augmentation of labour with synthetic oxytocin infusion. A qualitative evidence synthesis, Trinity Health and Education International Research Conference (THEconf2022), Online, 8-9 March, 2022.
- Carroll, L., Byrne, F., Canty, G., Gallagher, L., & Smith, V. (2022). Reduced Fetal Movements during Pregnancy: an audit of pregnancy characteristics, NPEC Virtual Study Day, Online, 21 January, 2022.
- Cooke, E., Brenner, M., & Smith, V. (2022). Review of EU and UK strategies for autism spectrum disorder (ASD); Where and how does respite care feature? Trinity Health and Education International Research Conference (THEconf2022), Online, 8-9 March, 2022.
- Eggenschwiler, L., Smith, V., Moffa, G., & Simon, M. (2022). Maternal and neonatal salutogenic outcomes in association with midwifery staffing: a causal inference framework. 19th European Doctoral Conference Nursing Science, Bern, Switzerland, 9-10 September, 2022.
- Hauck, Y., Kuliukas L., Gallagher, I., Brady, V., Dykes, C., & Robertson, C. (2022). Breastfeeding in Public: An International Exploration of Women's Experiences. More Than Milk Lactation Science Symposium, The University of Western Australia, 25 November 2022.
- Hannon, S., Daly, D., & Higgins, A. (2022). Women's perspectives on resilience and research on resilience in motherhood a qualitative study, Trinity Health and Education International Research Conference (THEconf2022), Online, 8-9 March, 2022.
- Hannon, S., Higgins, A., & Daly, D. (2022). Women's perspectives on the use of the concept of resilience in mental health research in motherhood - a qualitative study. The International Marcé Society Biennial Conference 2022, London (Virtual), 19-23 September 2022.
- Hollywood, E. (2022). It's not enough to be participatory, the process is just as important as the technique. Trinity Health and Education International Research Conference (THEconf2022), Online, 8-9 March, 2022.
- Hollywood, E. & Comiskey, C. (2022). Keeping kids safe these days: a case study of the health and well-being related perceptions and experiences of school-aged children who live in areas of urban disadvantage in Ireland. Lisbon Addictions 2022, Lisbon, Portugal, 23-25 November, 2022.

- Hollywood, E. (2022). The unique and special role of grandparents in the lives of families from areas of urban disadvantage. Trinity Health and Education International Research Conference 2022 (THEconf2022), Online, 8-9 March, 2022.
- Hollywood, E. (2022). It's not enough to be participatory, the process is just as important as the technique. Trinity Health and Education International Research Conference 2022 (THEconf2022), Online, 8-9 March, 2022.
- Hughes, M., Doyle, M., & Grogan, L. (2022). Developing an Advanced Nursing Practice Digital Service: A Scoping Review. National Nursing and Midwifery Digital Healthcare Conference, National Convention Centre, Dublin, 2022.
- Hyland, M., Hollywood, E., Banka, S., & Comiskey, C. (2022). The scale and scope of alcohol-related emergency department presentations by children and young people in an urban hospital setting. Trinity Health and Education International Research Conference 2022 (THEconf2022), Online, 8-9 March 2022.
- Murphy, F., Daly, D., Begley, C., Marchi, J., & Kearney, J. (2022). Intake of Folic Acid Supplements among First-time Mothers in Ireland. Irish Nutrition Dietetic Research Symposium, Online, 7 April, 2022.
- Panda, S., Begley, C., & Daly, D. (2022). Factors associated with unplanned caesarean section among first-time mothers: findings from a multicentre cohort study in Ireland. Trinity Health and Education International Research Conference (THEconf2022), Online, 8-9 March, 2022.
- Panda, S. (2022). Advances in Nursing and Midwifery. Research seminar, Hi-Tech College of Nursing, Odisha, India, 20 July, 2022.
- Rafferty, S., Coyne, I., Hughes, M., & Surdey, J. (2022). Examining the use of a question prompt list for young people with Type 1 diabetes at clinic visits: a process evaluation. Trinity Health and Education International Research Conference (THEconf2022), Online, 8-9 March, 2022.
- Sydes, M., Gillies, K. & Smith, V. (2022). International Clinical Trials Methodology Conference, 3-6 October, 2022. Challenging Practices in Maternity Care Conference. Centre for Midwifery Education Galway/Saolta Health Care Group, 2022, Harrogate UK.

- Smith, V., & McBrien, B. (2022). Celebrating Advanced Practice Week, 17 November, 2022. Challenging Practices in Maternity Care Conference. Centre for Midwifery Education Galway/Saolta Health Care Group, Trinity College Dublin.
- Smith, V., Devane, D., Hunter, A., Torgerson D., & Treweek, S. (2022). Training trial Recruiters: An educational Intervention (TRAIN) for recruiters to neonatal trials. International Clinical Trials Methodology Research Conference, Harrogate, UK, 3-6 October, 2022.

Invited talks

This section lists invited talks by TCMCR members

- Daly, D. (2022). Women's physical and mental health pre, during and post-pregnancy. What do the experts say? Women's health panel discussion, Morrison Hotel, Dublin, 17 November, 2022. Science Foundation Ireland (SFI) - Science week 2022.
- Daly, D. (2022). Participating in research in the perinatal period: A systematic review of the experiences of women with mental health issues and their ethical implications workshop. 'Being an Ethical Researcher with Integrity', COST Action CA18138 meeting, University of Malta, 3 June, 2022.
- Daly, D. (2022). Safe Motherhood. Interview for Safe Motherhood Week, Podcast, 2022, The Synergist, Non-Governmental Organisation (NGO).
- Hollywood, E., & Banka Cullen, E. (2022). The Voice of the Child in Research, 'We Feel it Too' A Child's Experience of Domestic Abuse. Meath Women's Refuge and Support Services, Navan, Co Meath, Ireland 18 November, 2022.
- Panda, S. (2022). Mixed Methods Research. International research seminar, Kalinga Institute of Nursing Sciences, Bhubaneswar, India, 22 July, 2022.
- Panda, S. (2022). Systematic review and metasynthesis and challenges. One day research seminar, All India Institute of Medical Sciences, 18 July, 2022.
- Smith, V. (2022). Fetal Monitoring: Traditions and Tensions. Challenging Practices in Maternity Care Conference. Centre for Midwifery Education Galway/Saolta Health Care Group, Online, 22 November, 2022.

7. Media Engagements and Interviews

Centre Director Deirdre Daly was invited to take part in several media engagements in 2022, to share research on maternal health issues. Three of these media engagements were conducted as part of Science Week 2022 and two were co-presented with research participants.

- Daly D and McEvoy E. (2022). Women's health after pregnancy and during motherhood. Ireland AM (Virgin Media TV), Television interview, 16 November, 2022. Science Foundation Ireland (SFI) - Science week 2022.
- Daly D and McLoughlin M. (2022). The MAMMI study. Interview with Rollercoaster.ie. Online, 16 November, 2022. Science Foundation Ireland (SFI) - Science week 2022.
- Daly D. (2022). Women's physical and mental health pre, during and post-pregnancy – What do the experts say? Women's health panel discussion, Morrison Hotel, Dublin, 17 November, 2022. Science Foundation Ireland (SFI) - Science week 2022.



Links for Media Coverage

Reality of maternal health for the first time

Mums in Ireland: study

The study which looks at depression, anxiety and stress symptoms experienced by first time Mothers has been published in the journal archives of Women's Mental Health and coincides with Maternal Health Week.

TCD 5 May 2022 [URL](#).



'Substantial' number of Mothers experience anxiety, depression and stress: study

Irish Times 5 May 2022 [URL](#).



Maternity Care

Dr Deirdre Daly, Associate Professor in Midwifery, School of Nursing and Midwifery, TCD and Ms Sarah Flynn, Mother and gentle birth Instructor

RTE Radio 31 July 2022 [URL](#).



Women's health problems post-birth "ignored".

Health problems silently endured by many Irish women after childbirth have been laid bare by a new medical study.

Irish Independent 31 July 2022 [URL](#).



Pregnancy and women's mental health- What do the experts say?

EVOKE 11 November 2022

[URL](#).



Listening to Mums to be the real key to improving maternal Health:

The MAMMI study is proving that by asking Mothers about their health and by listening to them, their quality of life can be vastly improved.

Rollercoaster 18 November 2022 [URL](#).

8 Research Impact



Policy citations of TCMCR publications



Australian Government Department Of Health.

Reilly N, Williams K, Masso M, Kobel C and Artiss S. (2022). Woman-centred care: Strategic directions for Australian maternity services. Part 1 – Baseline Report. Centre for Health Service Development, Australian Health Services Research Institute, University of Wollongong.

This report outlines existing activities and outcomes under the Woman-centred Care Strategy. DOI

All of the research conducted by members of the TCMCR aims to benefit or have a positive influence on society, public policy, quality of life and/or the economy (HRB Impact Award, 2021). Whilst several incremental changes can occur at local practice, service or community levels, we were delighted to read that Professor Valerie Smith's research contributed to a policy document published by the Department of Health, Australia.

Flaherty, S. J., Delaney, H., Matvienko-Sikar, K., & Smith, V. (2022). Maternity care during COVID-19: a qualitative evidence synthesis of women's and maternity care providers' views and experiences. *BMC Pregnancy and Childbirth*, 22(1), 438. DOI

News Mentions

The Centre's publications also inform public debate, increasing understanding and awareness of issues addressed in its research. Scholarly outputs were cited in multiple media articles by the Irish Times, Irish Independent, Irish Health.com and several other news outlets.



Doctors fear of being sued is 'partly behind rise in caesarean sections in first time Mothers'

A “fear factor” where a doctor is concerned about adverse outcomes and risk of being sued is among factors driving the steady rise in first-time mothers giving birth by caesarean section in Ireland, according to a study.

Independent.ie 11 January 2022 [URL](#).



Womens health problems post-birth 'ignored'

Health problems silently endured by many women after childbirth have been laid bare by a new medical study

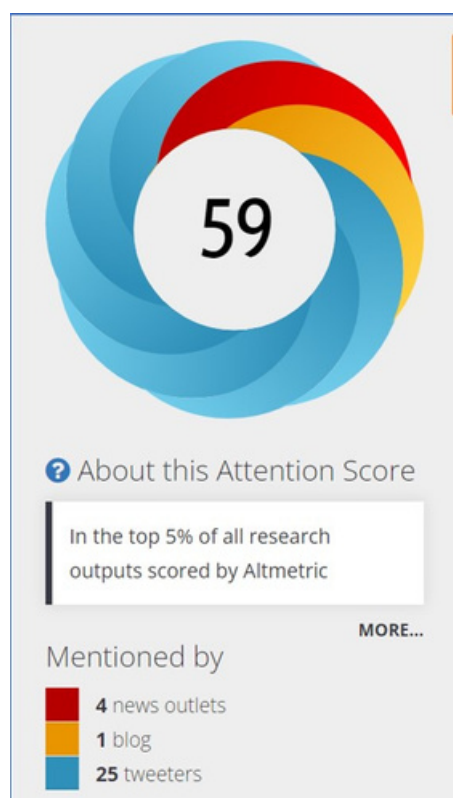
Independent.ie 31 July 2022 [URL](#)

TCMCR Publications with top Altmetric Scores

The reach of our research, and how much and how often the Centre's papers are cited, is important because of its potential to influence others positively.

This Altmetric donut shows how much and what type of attention a research output has received.

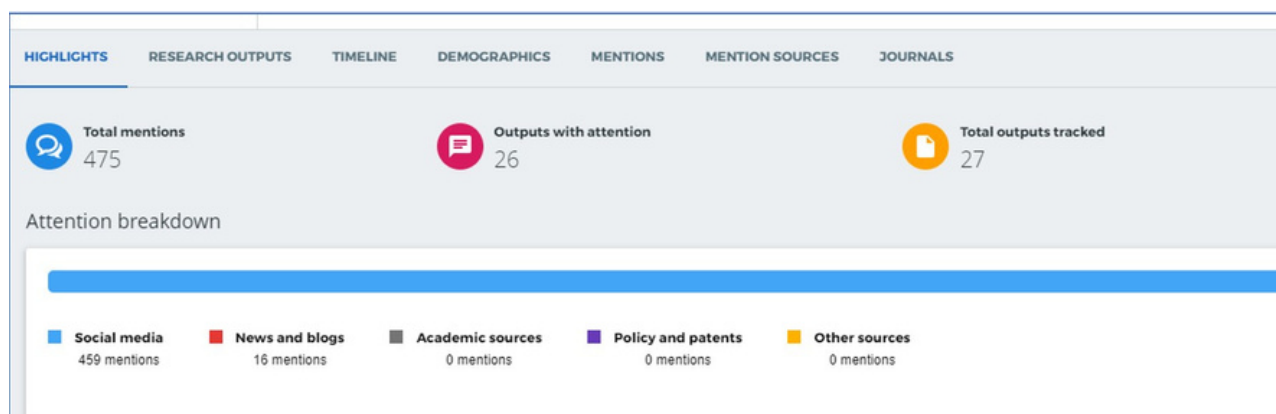
This shows that the Centre's research is in the top 5% of research outputs scored.



The Altmetric donut shows how much and what type of attention a research output has received.

Social Media mentions of TCMCR publications

The Centre's research received quite a lot of social media attention, 475 mentions, in 2022.



Top TCMCR Cited Publications

- AlAmri, N., & Smith, V. (2022). The effect of formal fetal movement counting on maternal psychological outcomes: A systematic review and meta-analysis. *European Journal of Midwifery*, 6. [DOI](#)
- Bartels, H. C., Horsch, A., Cooney, N., Brennan, D. J., & Lalor, J. G. (2022). Living beyond placenta accreta spectrum: parent's experience of the postnatal journey and recommendations for an integrated care pathway. *BMC Pregnancy and Childbirth*, 22(1), 1-10. [DOI](#)
- Corrigan, L., Moran, P., McGrath, N., Eustace-Cook, J., & Daly, D. (2022). The characteristics and effectiveness of pregnancy yoga interventions: a systematic review and meta-analysis. *BMC Pregnancy and Childbirth*, 22(1), 1-21. [DOI](#)
- Culleton-Quinn, E., Bø, K., Fleming, N., Mockler, D., Cusack, C., & Daly, D. (2022). Elite female athletes' experiences of symptoms of pelvic floor dysfunction: A systematic review. *International Urogynecology Journal*, 33(10), 2681-2711. [DOI](#)
- Dado, M., Smith, V., & Barry, P. (2022). Women's experiences of water immersion during labour and childbirth in a hospital setting in Ireland: A qualitative study. *Midwifery*, 108, 103278. [DOI](#)
- Flaherty, S. J., Delaney, H., Matvienko-Sikar, K., & Smith, V. (2022). Maternity care during COVID-19: a qualitative evidence synthesis of women's and maternity care providers' views and experiences. *BMC Pregnancy and Childbirth*, 22(1), 438. [DOI](#)
- Hannon, S. E., Daly, D., & Higgins, A. (2022). Resilience in the Perinatal Period and Early Motherhood: A Principle-Based Concept Analysis. *International Journal of Environmental Research and Public Health*, 19(8), 4754. [DOI](#)
- Hannon, S., Gartland, D., Higgins, A., Brown, S. J., Carroll, M., Begley, C., & Daly, D. (2022). Maternal mental health in the first year postpartum in a large Irish population cohort: the MAMMI study. *Archives of Women's Mental Health*, 25(3), 641-653. [DOI](#)
- O'Malley, D., Smith, V., & Higgins, A. (2022). Sexual health issues postpartum—A mixed methods study of women's help-seeking behavior after the birth of their first baby. *Midwifery*, 104, 103196. [DOI](#)
- Ryan, T., & Smith, V. (2022). Care bundles for women during pregnancy, labor/birth, and postpartum: a scoping review protocol. *JBIC Evidence Synthesis*, 20(9), 2319-2328. [DOI](#)

9 Future Opportunities



Our future is bright, with numerous opportunities to build on the well-established positive relationships and partnerships with women and their families, clinicians and health and social care professionals.

One immediate goal is to enlarge our membership to include representation from all our healthcare providers (HCPs). This will ensure that their voices are heard and their research priorities are central to our activities. We also look forward to extending and developing our relationships with others in the primary care setting and the wider community.

In the next one to two years, we will apply for research funding to support the development of local research teams to progress these priorities. Then, we will expand our activities to form additional research partnerships with others from multiple sites throughout Ireland.

10 Key Challenges

Whilst the COVID-19 pandemic delayed our official launch and ability to advance research activities with our linked representatives, we must acknowledge the real, negative impact this had on services and women and their families.

Now, we can see a bright and positive future. We know from engaging with and listening to others, women and their families, and clinicians, that there is a real need for support to conduct research - working in research teams together recognises everyone's expertise and can achieve much more than any of us can achieve by working on our own.

A lot of wonderful research has been conducted by the Centre's members to date. However, we know that the real challenge is ensuring that the evidence-based findings are translated into practice so that women and their families benefit.

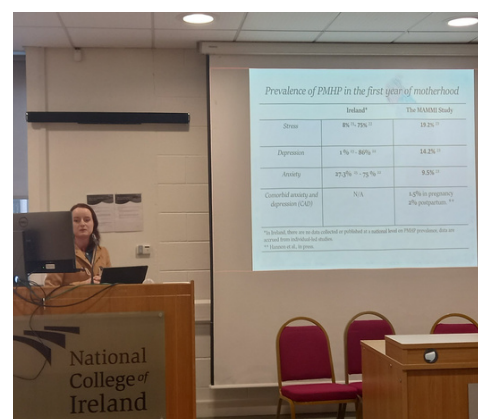
We will continue to seek every opportunity to translate research activities into frameworks for policy development to improve maternal and child health services and outcomes.



11 Research Centre Highlights

Annual TheConf 2022

The annual School THE conference was held on the 8-10 of March 2022. Six of the 17 concurrent strands provided over the two days were run by TCMCR, five on maternal health and five on child and family health. Following public health guidelines, the conference took place online.





National Women & Infants Health Programme

How the Trinity Centre for Maternity Care Research Initiatives can support the National Women and Infants Health Programme.



Innovations for Successful Breastfeeding

The School of Nursing & Midwifery in conjunction with the Faculty of Health Sciences Equality, Diversity & Inclusion Group hosted a two-day conference to celebrate National Breastfeeding Week on Tuesday 4th and Wednesday 5th October. During the two days, attendees had the opportunity to participate actively with the presenters during the keynote presentations, panel discussions and workshops.

Ms Ashamole Clive, Ms Margaret Dunlea and Dr Vivienne Brady were on the organising committee representing the School of Nursing and Midwifery and was opened by Mrs Sabina Higgins.

Keynote Speaker was Nancy Mohrbacher and workshop facilitator for both days of the conference.

Presenters included:

Mrs Sabina Higgins

Ms Nancy Mohrbacher

Ms Ashamole Clive

Professor Brian O'Connell

Dr Anne Doolan

Dr Margaret Dunlea

Ms Laura Mc Hugh

Further information on the conference can be found here [URL](#).



12 PhD Students

Sincere congratulations to all of those who completed their PhD research

Lisa Corrigan

Project: The lived experience of postnatal distress in first time mothers in Ireland with no previous history of mental health difficulties.

Supervisors: Dr Deirdre Daly and Dr Patrick Moran.

Margaret Dunlea

Project: Change and Entrenchment in Irish Maternity Care Policies and Antenatal Practices: An Institutional Ethnography.

Supervisors: Dr Vivienne Brady, Professor Cecily Begley and Dr Jo Murphy Lawless.



There were 15 PhD students associated with the Centre in 2022.

Nazia Alamri

Project: Fathers' experiences and perspectives attending childbirth in Bahrain: A Mixed Method study.

Supervisors: Professor Valerie Smith and Dr Sunita Panda.

Atiya Salim Alfurqani

Project: Introducing and implementing group antenatal care in Oman using an action research approach.

Supervisor: Dr Vivienne Brady.

Silvia Alós Pereñíguez

Project: Intrapartum synthetic oxytocin administration among women with spontaneous onset of labour.

Supervisors: Dr Deirdre Daly and Dr Deirdre O'Malley.

Manar Mohammad Ibrahim Al-Sulimani

Project: Factors that impact breastfeeding practice among working mothers in Saudi Arabia.

Supervisors: Dr Mary Hughes and Dr Louise Gallagher.

Lorraine Carroll

Project: The impact of decreased fetal movements in pregnancy on fetal or neonatal outcomes.

Supervisors: Professor Valerie Smith and Dr Louise Gallagher.

Lucy Corcoran

Project: To explore the spiritual needs of parents of babies admitted to the Neonatal Intensive Care Unit.

Supervisors: Dr Vivienne Brady and Professor Fiona Timmons.

Elizabeth Culleton-Quinn

Project: Promotion of pelvic floor strength and continence in elite athletes/senior county camogie players.

Supervisors: Professor Deirdre Daly, Dr Neil Fleming and Professor Kari Bø.

Kathleen Hannon

Project: Development of a model for supporting PPI in clinical trials for maternal and neonatal care.

Supervisors: Professor Valerie Smith and Dr Deirdre Daly.

Susan Elizabeth Hannon

Project: Women's mental health and mental resilience five years after first-time motherhood: a mixed methods.

Supervisors: Dr Deirdre Daly and Professor Agnes Higgins.

Ciara Henderson

Project: The Spaces Between Us: A Qualitative Exploratory Study of Perinatal Death, Burial & Bereavement in 20th century Ireland.

Supervisors: Professor Joan Lalor and Dr Georgina Laragy.

Julika Joha Hudson

Project: Women's Understanding of the Maternal and Fetal Dyad and its implications for maternal autonomy.

Supervisors: Professor Joan Lalor and Professor Soo Downe.

Louise McCulloch

Project: The experience of concurrently parenting and focusing on addiction recovery.

Supervisors: Dr Vivienne Brady and Dr Catherine Comiskey.

Ursula Nagle

Project: The impact of perinatal trauma on Mothers: A mixed-methods study investigating and exploring the prevalence, women's experiences and related factors associated with birth trauma in an Irish maternity setting.

Supervisors: Professor Joan Lalor.

Sofia O' Byrne

Project: Emotional consequences of limiting family size as a result of traumatic birth.

Supervisors: Dr Joan Lalor and Professor Soo Downe.

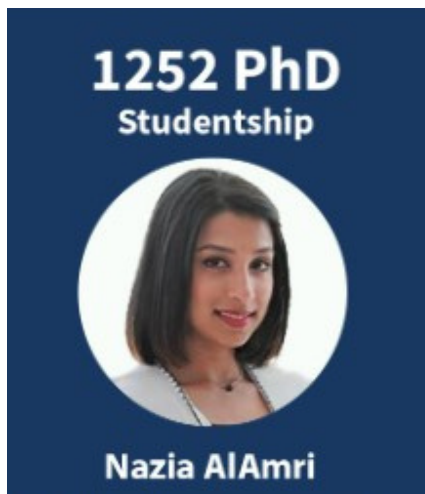
Jennifer Michelle Johnson Trainor

Project: Cultural perceptions of pregnancy and birth; a global comparison.

Supervisors: Dr Fintan Sheerin and Dr Vivienne Brady.

1252 PhD Stipend award

Congratulations to Nazia AlAmri who has been awarded this prestigious stipend. The School would like to take the opportunity to wish her and her supervisor Professor Valerie Smith every success with the project.



Name of Student: Nazia AlAmri

Project title: 'Fathers' experiences and perspectives attending childbirth in Bahrain: A Mixed Method study'

Supervisor Name: Professor Valerie Smith.

Ussher Studentship

Congratulations to Julika Johanna Hudson who has been awarded this prestigious Scholarship. The School would like to take the opportunity to wish her and her supervisor Prof. Joan Lalor, every success with the project.



Name of Student: Julika Johanna Hudson

Project Title: Informed Consent & Refusal of Treatment in Pregnancy and Birth. A Grounded Theory Study of Decision-making in post Repeal Ireland.

Supervisor Name: Prof. Joan Lalor

13. TCMCR Launch 2022

Our official launch was on 30 September 2022 and it was a really lovely, engaging and enthusiastic event. We had representations from women's and consumer organisations and health and social care professionals from a wide range of policy and practice areas.

Professor Cecily Begley started the launch with a lovely presentation on starting research and building research capacity over the years, and how and why the Centre came into being.

Director of Research Professor Sharon O'Donnell placed the Centre's activities in the context of the School's and College's Research Strategies – Sharon asked us to think about what a successful Centre will look like in years to come. It will be underpinned by valuing people and conducting collaborative research and engaged research that achieved impact.

Margaret Quigley, Lead Midwife, HSE, placed the Centre's activities in the context of the real needs of the healthcare professionals and the need for research to really achieve evidenced-based practice.

Angela Dunne spoke of how the Centre's is supporting NWIHP's activities and the potential and value of working in partnership together.

Finally, Michael Foley, Programme Manager, Trinity PPI Ignite and Moira McLaughlin, participant in MAMMI study, concluded the launch beautifully by focusing on what really matters – making a real and positive difference to the health and wellbeing of women, their babies, children and families, and to the services they receive. This can be achieved when we work together, when those in our care are central to research activities and all research conducted it with and for them.

Alongside all of this, it is vital that we focus on implementing research into practice and services.

Thank you to all attended and their enthusiasm and engagement.



Professor Cecily Begley
Chair of Nursing and Midwifery Trinity College Dublin.



Professor Sharon O'Donnell. Director of Research, School of Nursing and Midwifery, Trinity College Dublin.



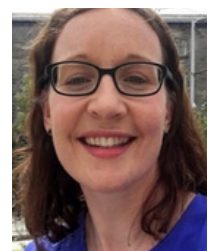
Margaret Quigley.
National Lead Midwife
ONMSD at HSE



Angela Dunne
National Lead Midwife
National Women and Infants Health Programme



Michael Foley.
Programme Manager for the Trinity PPI Ignite Office



Moira McLaughlin
MAMMI Study Participant



**Coombe Women's and
Infants University
Hospital**



Rotunda Hospital

Sláinte Leanaí Éireann



Children's Health Ireland



**Portlaoise Midlands
Regional Hospital**

FOR MORE INFORMATION

Address:

Trinity Centre for Maternity Care Research,
School of Nursing & Midwifery
Trinity College Dublin
24 D'Olier Street
Dublin 2
Ireland

Email: TCMCR@TCD.IE

Website: <https://www.tcd.ie/tcmcr>

Twitter: https://twitter.com/TCD_TCMCR