Academic Unit of Palliative Care Annual Report





in partnership with UNIVERSITY OF LEEDS



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We are pleased to present the Academic Unit of Palliative Care (AUPC) annual report for 2022-23 (April 2022 to end of March 2023) which summarises our achievements throughout the year. The AUPC continues to develop, adapt and provide a high quality service in all of the three areas of research, learning and teaching and evidence based practice.

In research over the last year there has been four strategic senior appointments, which have strengthened the research team and secured its sustainability. Dr Matthew Allsop and Dr Matt Mulvey have been promoted to Associate Professor, Lucy Ziegler was promoted to Professor and Dr Sarah Mitchell has been recruited from the University of Sheffield as a Clinical Associate Professor in Palliative Care.

In learning and teaching, we have continued to provide high-quality education and training and clinical placements. It has also been a key time in developing other education programmes in response to needs across the city, the region and nationally. We are still delivering the majority of the external training on virtual platforms but are excited to be reintroducing more face-to-face sessions again following the pandemic. In this report we have added a section on data, which gives a useful visual overview of the learning and teaching activity over the past year.

The Evidence Based Practice Group continues to promote a culture of enquiry and innovation and has introduced a film and book club with the aim of prompting reflection and new insights. The team continues to deliver the journal club for staff, integrating the latest evidence into clinical practice by reviewing and implementing new clinical guidelines and being part of national palliative care audits as well as in the Hospice.

Trish Stockton Head of Education (AUPC)



The AUPC Structure

Gemma's

WORKING IN PARTNERSHIP WITH THE UNIVERSITY OF LEEDS

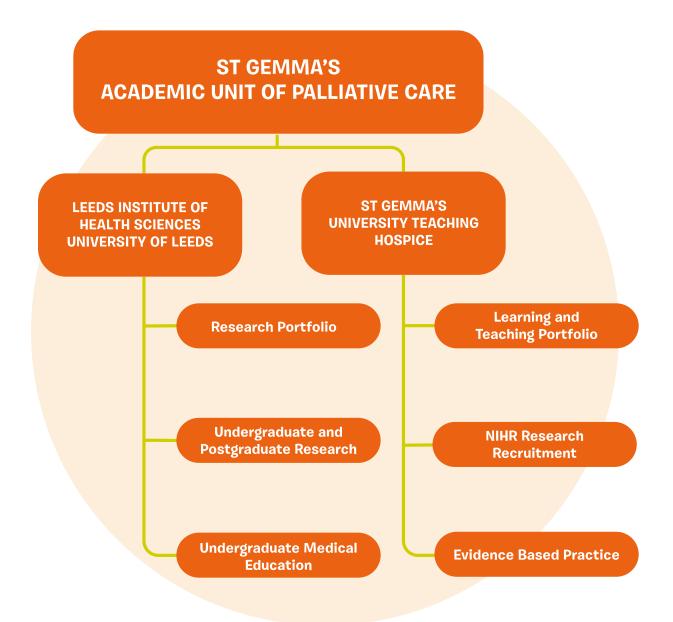
Academic Unit of Palliative Care Mission Statement

The AUPC aims to be recognised internationally as a centre of excellence and an outstanding model for improving care of those approaching the end of life through integrated research, teaching and clinical practice. Our work is guided by our values:

- Respect and value patients, carers, staff and all those we work with
- Innovate and integrate with local clinical practice
- Inspire and support continual development and sharing of knowledge
- Build capacity to ensure a sustainable academic unit
- Be responsible and accountable for the standard of our work

Academic Unit of Palliative Care Structure

We link academic and clinical partners and are physically located on two sites: the Leeds Institute of Health Sciences at the University of Leeds and St Gemma's University Teaching Hospice. This underpins our commitment to integrated clinical academic practice.



Research

Academic Unit Research Programme

The research team continues to make an internationally-leading contribution to the research field. During the last 12 months we have published over 40 papers in high quality peer-reviewed journals and led and contributed through our roles as Chief Investigator or Co-Investigator to 13 active research projects. We have had a prolific year in terms of grant writing and currently have four large NIHR research grant applications under review. Matthew Allsop has secured an EU research grant total value £7m, £400,000 of which will be awarded to the team in Leeds.

Two recent team successes have put us in an excellent position to influence policy and maximise the impact of our research: Alongside colleagues from four universities, we have been awarded substantial funding (£3m) by NIHR to establish the first ever Palliative and End of Life Care Policy Research Unit. The unit will bring together a multidisciplinary team from the collaborating institutions to create a critical mass of leading researchers who will respond to policy research needs and develop research programmes that provide evidence for current and emerging research priorities. Dr Sarah Mitchell, Clinical Associate Professor in Palliative Care has been appointed interim NHS England National Clinical Director for Palliative and End of Life Care. We are striving to build a clinical academic pipeline and are currently advertising for a medical Palliative Care Academic Clinical Fellow to join the team.

April 2022 – March 2023

Current Grants					
New grant income during this period:					
Title	Funder	Investigators	Amount	Dates	
Intensive Interaction for children and young people with profound and multiple learning disabilities: INTERACT trial	NIHR HTA	Lucy Ziegler Co- Investigator	£1,833,312		
Research applications – outcome pending					
HOPSCOTCH Helping Optimise Primary Care Support During Transition From Children's Hospice Care	NIHR HSDR	Lucy Ziegler and Sarah Mitchell Joint Investigators	£898,000		
ENCOURAGE Immersive Innovations in Palliative Care for Patients With Neurological and Neuromuscular Disorders.	EU Horizon	Lucy Ziegler and Matthew Allsop Co-Investigators	£6,995,579		
Policy Research Unit for Palliative and End of Life Care	NIHR Policy Research Programme	Lucy Ziegler and Sarah Mitchell Co-Investigators	£2,999,939		



Grants ongoing				
Parent and professional experiences of 24/7 paediatric end of life care a mixed methods process evaluation	Marie Curie	Lucy Ziegler	£141,644	July 2022- July 2024
Functional Loss and rehabilitation towards the end of life	NIHR	Lucy Ziegler Co-Investigator	£99, 256	Jan 2021- July 2023
The Yorkshire & Humber Palliative Care Research Network: Addressing Inequalities Across All Ages	NIHR	Lucy Ziegler Co-Investigator	£99,932	Jan 2021- July 2023
Developing the UK Collaborative Paediatric Palliative cAre Research (CoPPAR) Network	NIHR	Lucy Ziegler Co-Investigator	£96,673	
Improving health Status and Symptom experience for people living with advanced cancer (RESOLVE)	Yorkshire Cancer Research	Chief Investigator: Dr Lucy Ziegler	£1,400,000	
Electronic Palliative Care Co-ordination Systems (EPaCCS) in end of life care: evaluating their implementation and optimising future service provision OPTIMAL Care	NIHR	Chief Investigator: Dr Matthew Allsop	£660,000	
Addressing Inequalities in Access to Hospice Care	ESRC	Chief Investigator: Dr Lucy Ziegler	£79,288	
Cancer pain-assessment Toolkit for use in routine oncology outpatient services: a multi-centre cluster randomised feasibility trial CAPTURE	Yorkshire Cancer Research	Chief investigator Dr Matt Mulvey	£350,540	
Understanding access to palliative care by ethnic minority groups in the UK: with a focus on South Asians and those with refugee or asylum seeker status	Academy of Medical Sciences/Marie Curie	Chief investigator: Dr Gemma Clarke	£111,918	
Black and Minority Ethnic pain management	Marie Curie	Chief Investigator: Dr Gemma Clarke	£171,870	
ESRC White Rose Doctoral Training Partnership (WRDTP) 1+3 Pathway Postgraduate Studentship Award.	ESRC	PI Gemma Clarke	£86,632	2023 - 2027
Intensive Interaction for children and young people with profound and multiple learning disabilities: INTERACT trial	NIHR HTA	Lucy Ziegler Co-Investigator	£1,833,312	2023 - 2028
A Delphi study of improving ethnicity research in palliative care	MRC	Gemma Clarke Co- Investigator	£29,763	
How does choosing to fundraise in memory impact the bereavement journey? A qualitative study".	Marie Curie	Gemma Clarke Co- Investigator	£13,482	
Marie Curie Senior Research Fellowship focusing on a programme of work on ethnicity and palliative care.	Marie Curie	Gemma Clarke Pl	£131,332	2021 - Oct 2023

For papers that have been published in peer reviewed journals, please see appendix 1

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Learning and Teaching

This covers the following areas:



External education provision

20)

Clinical placements



Internal training to St Gemma's Hospice staff

Learning and teaching data

External Education Provision

University Collaboration

University of Leeds – Delivery of Patient-Focused Palliative Care Module and subsequently Virtual Palliative Care Study Day

The 'Patient-Focused Palliative Care' module is a three-hour virtual study session delivered in real time as an option within the module 'Preparation for Transition to Registered Practice'. Pre-reading information and resources are available to students via the university online platform along with the recording of the virtual session.

University of Leeds - Delivery of 'Care in the Last Days of Life session'.

The delivery of 'Care in the Last Days of Life was a face-to-face session at the University of Leeds.

Leeds/West Yorkshire & Harrogate/Yorkshire and Humber/National Education Provision

Advanced Communication Skills Training (ACST)

The two-day face-to-face advanced programme has been fully adapted for virtual delivery and is now a one-anda-half-day course. This course is being delivered to participants from across the country and receives extremely good evaluations. 100% of people say that would recommend this course to their colleagues.

Communication Skills: Difficult Conversations Training

Harrogate District Foundation Trust have commissioned the Hospice to deliver this training for their staff over a 2-year period.

Leeds Community Healthcare Planning Ahead / ReSPECT Communication Skills Training

LCH commissioned St Gemma's AUPC to deliver ACST for senior clinicians who frequently have discussions with patients who are planning ahead, including conversations about ReSPECT and end of life care. This also compliments the Planning Ahead training that we deliver as part of the LPCN. We are continuing this programme in 2023/24.



Advance Care Planning (ACP) and Communication Skills: One-day Training for Frontline Health and Social Care and Voluntary Sector Staff

St Gemma's Hub team were commissioned to deliver this training to staff in Harrogate District NHS Foundation Trust and LCHT. It was also advertised more widely.

Advance Care Planning and Bereavement Toolkit

Over the last year, the AUPC were involved in an innovative project to create a toolkit for inclusive ACP and bereavement support. This project has been recognised by NHS England for a national case study. The project, which involved collaboration with Wakefield Hospice and Overgate Hospice education hubs, as well as diverse organisations from different communities and backgrounds, aimed to develop ACP and bereavement resources that are tailored to the specific needs and preferences of each group.



The toolkit, which was launched earlier this year on the West Yorkshire Health and Care Partnership site (<u>wypartnership.co.uk</u>), covers topics such as:

- How to have conversations about ACP and end-of-life care with people from different cultures, religions, languages and abilities
- How to support people with dementia, learning disabilities, mental health issues and sensory impairments in making their wishes known
- W How to provide culturally sensitive and appropriate bereavement support to families and carers.

Some of the groups that contributed to the toolkit include: Touchstone BME Dementia Service, LD health facilitation team LYPFT, Alzheimer's Society, The Leeds Palliative Care Inclusion Team, The Deaf Independence Project and St Gemma's Multi-Cultural Network.

The toolkit is a valuable resource for anyone who works with or cares for people with diverse needs and backgrounds in relation to ACP and bereavement. The toolkit can be accessed at www.wypartnership.co.uk/index.php?clD=2927

End of Life Care Training for Health Support Workers in West Yorkshire

In partnership with other providers in the West Yorkshire Integrated Care System (ICS), St Gemma's AUPC was successful in obtaining funding from the WY Support Staff Workforce Development Funding to provide end of life care training for health support workers across West Yorkshire and Harrogate. St Gemma's has planned and is leading this training and is working collaboratively with facilitators across the region to deliver the training.

The programme comprises four key areas:

- 1. Difficult conversations at end of life
- 2. Supporting personalised and advance care planning discussions at end of life
- 3. Care of patients in last weeks and days of life
- 4. Bereavement and loss (including self-care).

We have successfully gained further funding from the NHSE to continue delivering the sessions for a further four programmes; these are planned from June 2023 – November 2023.

End of Life Care Training for Social Care and Support Workers, Leeds City Council

Leeds City Council have commissioned St Gemma's Hospice AUPC to develop and deliver an ongoing end of life care training programme for their social care and support workers who care for clients in their own homes and in care homes. The training comprises three programmes:

1. An Introduction to End of Life Care

This is a full day face-to-face training introducing the key principles of supporting people living towards the end of their life with long-term or terminal conditions, including dementia. It is aimed at those who have not previously attended end of life care study sessions.

2. End of Life Care Webinars

These are a series of four separate online webinars aimed at those who have attended previous introductory learning on end of life care and wish to refresh their understanding and reflect further on their experience.

The topics of the webinars are:

- Bereavement and Loss
- Difficult Conversations
- Advance Care Planning (ACP)
- Care in the last days of life.

3. Bespoke End of Life Care (EOLC) Webinar for SKiLs workers

This is an online webinar is to support SKiLs workers to adapt their reablement approach to supporting people who are living towards the end of their lives.

Each programme has pre-course information and a worksheet. The programmes commenced in September 2022 and dates are confirmed up to August 2023.

Ethical Issues in Palliative and End of Life Care Study Day

Dr Janet Holt, an Associate Professor in Healthcare Ethics in the School of Healthcare, University of Leeds, with extensive experience of teaching and researching healthcare ethics and nursing philosophy, delivered a virtual training session on Ethical Issues in Palliative and End of Life Care in November 2022.

Principles of Palliative and End of Life Care Programme

This is a new programme that has been developed and introduced by the AUPC education team. It is a level 4/5 12-week programme, aimed at health and social care staff, fully funded by West Yorkshire Combined Authority. It offers a blended-learning approach with a mix of classroom full-day study days and virtual topic sessions. The teaching is delivered by educators and clinicians from St Gemma's Hospice. Candidates are required to attend a minimal numbers of taught sessions; they are required to complete a workbook comprising reflective accounts and to pass an oral assessment based on a chosen topic. The pilot cohort commenced the programme in February 2023.

End of Life Care and Dementia Study Day

In September 2022 a face-to-face study day was delivered to 17 LTHT palliative care link nurses and a virtual study day was delivered to 25 participants who signed up from across health and social care sectors. This study day was delivered in collaboration with the link psychiatrist at LYPFT.

Leeds Paramedic Training

The St Gemma's team was joined with colleagues from LTHT and Sue Ryder Wheatfields to provide end of life care training to Leeds clinician crews. We delivered three sessions to a total of 41 paramedics.

Yorkshire Regional Palliative Medicine Learning Group

The Yorkshire Regional Palliative Medicine Learning Group is attended by consultants, specialist trainees, doctors and senior nurses from across Yorkshire and the Humber. As a result of the pandemic, meetings moved from face-to-face to Zoom; we are now looking into making a hybrid model of face-to-face and virtual sessions.

CNS (Clinical Nurse Specialist) Regional Programme

The Specialist Palliative Care CNS development is a programme funded by Health Education England (HEE) and hosted through the ECHO hub in collaboration with the region's CNS group. We have run 3 programmes for Palliative Care CNSs across West Yorkshire & Humber, North East & Cumbria. We have commenced programme 4 and have further funding for a programme 5 in July 2023 and a programme 6 in January 2024.



European Certificate in Essential Palliative Care (ECEPC)

This nine-week, distance-learning, multi-professional programme, originally developed at Princess Alice Hospice, is offered twice a year in the St Gemma's AUPC. Assessment includes submission of a portfolio, a written examination and a practical/oral assessment.

City wide training in collaboration with the Leeds Palliative Care Network (LPCN)

St Gemma's AUPC hosts the LPCN Education team which consists of the Education Lead, Clinical Practice Educator and Education Administrator. This team supports the development of training and collaborative working across Leeds.

Planning Ahead (ReSPECT) Training

The LPCN education team has taken over delivering the Planning Ahead template and ReSPECT training for both hospices, Primary Care and Leeds Community Health Care Trust. Planning Ahead and ReSPECT training involves training senior clinicians to be new ReSPECT signatories or updating those who are already signatories. The training covers:

- Overview of ACP (including the legal framework and 'What Matters to Me')
- ReSPECT- what it is and the process
- CPR/DNACPR- decision making
- Treatment escalation
- The Planning Ahead (ReSPECT/EPaCCS) template.

Palliative and End of Life Care Education Strategy for Care Homes in Leeds

The LPCN education team are leading on the development of an education strategy for care homes with the purpose of developing a sustainable,

consistent, high-quality education programme in palliative and end of life care for staff who work in care homes in Leeds. The team is working with key colleagues, care home staff and carers to develop this over the next year.

Research has been conducted to gather information on local and national delivery of care home education and current literature. The results of interviews with care home staff, and staff that work with care homes have been analysed for common themes and to help direct potential strategic goals. Plans moving forward include further workshops to develop strategic goals and discuss ideas for implementation.

Project Extension of Community Healthcare Outcomes (ECHO®)

St Gemma's AUPC is an established ECHO® hub licenced to run networks. The LPCN funds and supports the hub to provide ECHO training for health care professionals in Leeds.

The LPCN have planned the delivery of a general practitioners (GPs) and Primary Care Networks (PCN) ECHO® programme. This will be open to all Leeds-based PCNs and GPs. There are 6 sessions planned that will run from June – November 2023.

There are also ongoing plans to develop an Allied Health Professionals ECHO® programme for physiotherapists and occupational therapists throughout Leeds. There is currently a flyer being circulated for expressions of interest in the programme, and a curriculum setting day has been set for 8th June. The number, length and frequency of sessions will be decided on this date.



Homelessness Education

The homelessness project began in 2020 supported by a multiagency steering group in Leeds. As part of this project it was recommended that a homelessness and vulnerably-housed palliative care education programme was developed. A pilot day took place on the 11th November 2022, delivered by St Gemma's AUPC. The course was developed for non-healthcare frontline homelessness and inclusion workers throughout Leeds. The LPCN have provided funding for a further six education days that will run throughout the year.

Topics are included in the education day were as follows:

- 1. What is palliative care?
- 2. How to recognise a deteriorating client
- 3. Bereavement and loss
- 4. Resilience training.

Clinical Placements

We continue our successful relationship with the universities in Leeds, working together to provide a range of clinical placements at the Hospice. Students have appreciated the opportunity to continue attending the Hospice, despite restrictions. We receive extremely positive feedback from students about their time at the Hospice, from administrative staff providing a welcome and supporting throughout the placement, to the clinical staff who offer the students opportunities to practice their skills. This is testament to the year-round work of many individuals, teams, and mentors involved in planning and hosting the placements and the way they teach, assess and support our students.

Internal training to St Gemma's Hospice Staff

The Learning and Teaching department supports Hospice staff with continued professional development by delivering a comprehensive internal training programme and approving study leave.

Learning Management System (LMS)

E-learning on Learning Management System (LMS) – 35 modules offered to clinical and non-clinical staff and trustees. Following the recommendations from CQC during the November 2021 inspection, Safeguarding Adults Level 2 was launched to all clinical staff and Safeguarding Adults Level 3 was launched to senior clinical staff.

In July the Health and Care Act 2022 introduced a requirement for all CQC registered service providers to ensure their employees receive learning disability and autism training appropriate to their role. This is to ensure the health and social care workforce have the right skills and knowledge to provide safe, compassionate and informed care to autistic people and people with a learning disability. A new module The Oliver McGowan Mandatory Training on Learning Disabilities and Autism was launched to all patient-facing staff in January 2023.

St Gemma's worked collaboratively with colleagues across Leeds to develop pressure injury training and three e-learning modules were launched to IPU staff in October 2022.

We continue to deliver the AED (automated external defibrillator), cardiopulmonary resuscitation training via an online module on the LMS using videos to demonstrate technique.



Online sessions included training for registered nurses to become Practice Assessors or Practice Supervisors (in line with NMC Standards for Student Supervision and Assessment) and an annual update.

IT Skills Pathway – offering a range of digital skills training to staff which includes Microsoft Excel, Work, Outlook etc. The Skills Pathway also allows staff to assess their current skills and recommends relevant e-learning modules for completion.

A new Management Development Pathway has been developed and will launch in April 2023. This includes Hospice Strategy, Governance and Assurance; Preparing and Conducting Interviews; Managing Absence; Finance Training for Managers; and Staff Support and Management.

Face-to-face sessions included:

- PPE (LV1), Fit Testing (LV3), Hoods Training (LV3)
- Clinical updates (including SHAM, IV & CL, Blood Transfusion)
- Clinical Priority (Falls, Pressure Area Care, Management Terminal Agitation, Management Nausea and Vomiting)
- Clinical induction (introduction to palliative care, spirituality & resilience sessions)
- Essential information induction session
- Digital skills workshops, including Outlook, Word, Excel and OneNote.
- Venepuncture and cannulation
- Project management workshops
- Catheterisation training
- Advanced Communications Training
- Band 5 Communications Training
- HCA Communications Training
- Bereavement and Loss Awareness Training
- Single Nurse Administration of Drugs (SNAD)
- Symptom Management Breathlessness and Fatigue
- Fire marshal training
- HCA band 3 mentorship training
- Welcome sessions to student placements (including PPE training and FIT test)
- HCA training day
- Community education programme
- A guide to nutrition
- New RNs study day
- Tracheostomy study days
- Ward based teaching sessions
- Wellbeing sessions on IPU Team away days
- Safe Moving and Handling

Zoom sessions included:

- Hospice induction
- Advance Care Planning (ACP) and Communications
- Infection Control
- Ethical Issues in Palliative Care
- EOLC Dementia
- Recognising Psychological Distress in Palliative Care.



Evidence Based Practice

Evidence based practice requires that healthcare decisions are based on the best available, current, valid and relevant evidence. It enables the development of a culture in which good decisions are made and clinicians feel confident to question and challenge practice.

The **Evidence Based Practice (EBP)** Group meets monthly with the aim of ensuring that our clinicians are supported to integrate latest evidence alongside clinical expertise in order to underpin safe and effective patient care. Membership of the group is multidisciplinary with representation from nurses, therapists, pharmacist and doctors. The future vision of the group is to widen membership to ensure that all St Gemma's staff are encouraged to understand why we practice in the way we do and to promote a culture of mutual questioning and challenge.

Create a culture of enquiry and innovation

The EBP Group updates clinical guidelines, oversees the clinical audit programme and promotes evidence based practice. Representatives of the group contribute to citywide palliative care guidelines through membership of the Leeds Palliative Care Network.

Our Practice Enquiry Forum brings together clinicians from across the Hospice to consider developments in palliative care and their impact on care at St Gemma's. Presentations attended by a total of 136 clinical staff have included:

Journal Club

Journal Club is now mandatory for all Community Clinical Nurse Specialists. It is a key way of keeping up to date with current research and it provokes critical thinking and rich discussion.

Film and Book Club

Film and Book Club was launched in May 2022. The books we read and the films or TV programmes we watch will be on topics that we encounter in our work, for example palliative care, bereavement, family life and dynamics or emotional well-being. Our aim is that the books and films will prompt reflection and new insights. The club brings staff together from the wider Hospice and encourages supportive group discussion in a safe environment.



Data Annual Report

KEY ONGOING COURSES DELIVERED TO EXTERNAL PROFESSIONALS OVER PAST 5 YEARS

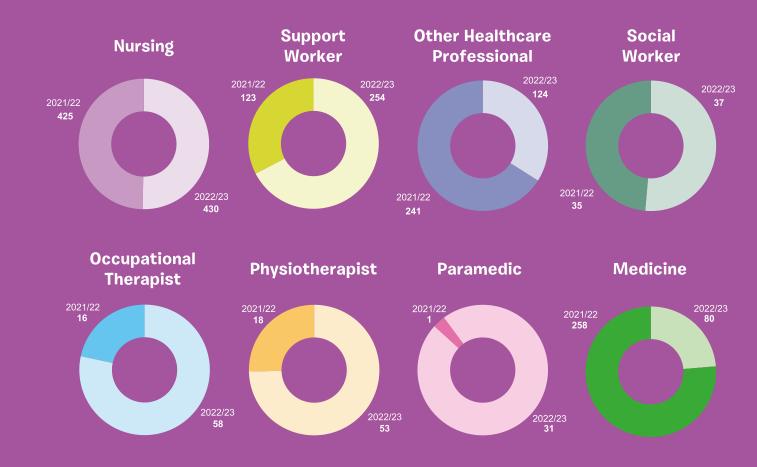
These 3 programmes are run on a continuous basis. Since the Covid Pandemic (2020-21) the numbers have increased in the European Certificate in Essential Palliative Care (ECECP) and also the Specialist Palliative Care, CNS Development Programme (ECHO (CNSs)). The ACST programme is currently set at the same number of programmes per year.

- CONNECTED ACST
- ECEPC
- 🛑 ECHO (CNSs)



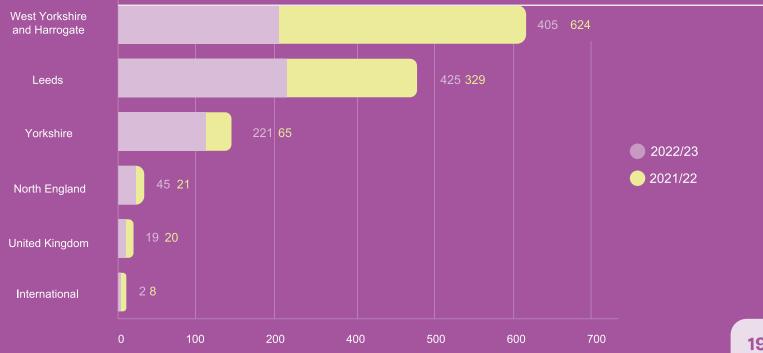
THE ROLES OF HEALTH CARE PROFESSIONALS **ACCESSING THE TRAINING OVER THE PAST 2 YEARS**

Nursing is the main profession accessing training, but we have seen an increase other professionals such as Social Workers, OT's, Physio's, Support Workers and Paramedics which reflects the programmes we have run over the last year which have been targeted at these groups of professionals.



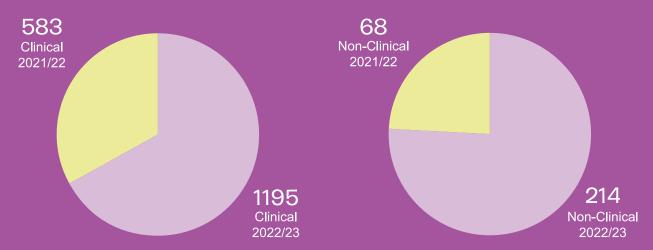
THE BREAKDOWN OF THE DIFFERENT GEOGRAPHICAL AREAS ACCESSING TRAINING FOR EXTERNAL PROFESSIONALS FOR THE PAST 2 YEARS

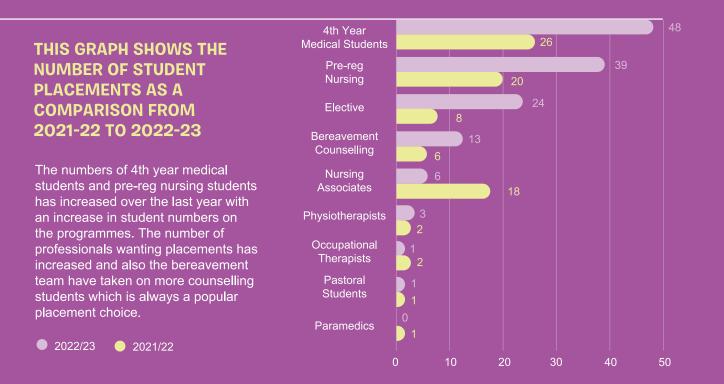
WY&H are the main area where people access the training from. We have seen an increase in people accessing courses from across Yorkshire and the North of England over the last year.



INTERNAL TRAINING

The numbers for clinical and non-clinical training has increased from 2021-22 to 2022-23. This is due to a reintroduction of more face to face training post Covid and not social distancing, allowing more numbers of people in classrooms.







An email received from a candidate from the Principles of Palliative and End of Life Care Programme:

> Taking this opportunity to thank you and the wonderful team at St Gemma's for the excellent services you provide, both in terms of care and academics.

A part of a reflective account from a candidate on the Principles of Palliative and End of Life Care Programme:

On reflection I feel this scenario (taken from a reflective account) was a positive reflection on my development in practice through completion of this course. Wider skill set and knowledge based enabled me to confidentially interact and communicate with the patient and family.

Quotes from the Post Course Questionnaire for the Advanced Communication Skills Training:

11

Thank you so much for all the hard work. It was very enjoyable and I have learnt a lot.

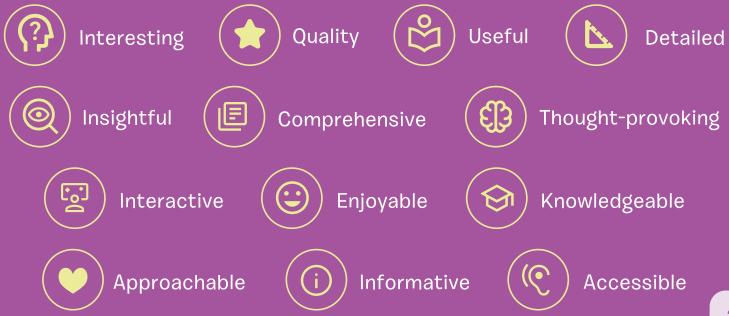
Amazing facilitators. I would recommend the course for any clinicians. Really effective course, learnt a lot of helpful techniques. Made to feel at ease from the beginning. Would recommend.

This was a really useful course. It changes the way I can communicate with patients and colleagues. The facilitators are really so kind and so professional. I would like to thank all of them for their efforts.

A student on Elective Placement at St Gemma's Hospice:

Thank you so much for allocating me a day to come and shadow the team. What a lovely day I have had. The team were so welcoming amazing. So informative and kind. Even in just a day it has taught me so much and has made me think about where I see my future. Thank you again for the amazing opportunity.

Words used by professionals accessing training when evaluating the different training sessions



Contact Details

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Appendix 1: Papers Published in Peer Review Journals

1. El Mokhallalati, Y, Chapman E, Relton S, **Ziegler L**, Bennett, M What characterises good home-based end-of-life care: *Analysis of 5-year data from a nationwide mortality followback survey in England British Journal of General Practice in press*

2. Mayland CR, Sunderland KA, Cooper M, Taylor P, Powell PA, **Ziegler L**, Cox V, Gilman C, Turner N, Flemming K, Fraser LK. 2022. *Measuring quality of dying, death and endof-life care for children and young people: A scoping review of available tools. Palliative Medicine.*, pp. 026921632211055-026921632211055

3. Lloyd KE, Hall LH, King N, Thorneloe RJ, Rodriguez-Lopez R, **Ziegler L**, Taylor DG, MacKenzie M, Smith SG. 2022. Aspirin use for cancer prevention: a systematic review of public, patient and healthcare provider attitudes and adherence behaviours. Preventive Medicine

4. May S, Bruch D, Gehlhaar A, Linderkamp F, Stahlhut



K, Heinze M, **Allsop M**, Muehlensiepen F. 2022. Digital Technologies in Routine Palliative Care Delivery: *An Exploratory Qualitative Study with Health Care Professionals in Germany. BMC Health Services Research*. In Press.

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