Abstract P172 Figure 1 a) Chart illustrating number of IPC insertions, removals and indications for removal; b) Chart illustrating number of patients with auto-pleurodesis with lung sliding on ultrasound prior to insertion of IPC

Perspectives on education, training and research collaboration

P173 MIND THE GAP! RESEARCH EXPERIENCE OF RESPIRATORY TRAINEES- A NATIONAL SURVEY

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Introduction Over the last decade there has been a surge in the number of trainee research collaboratives, notably in surgery and anaesthetics. These networks give trainees a new pathway to gain valuable experience of research design and implementation. Trainee collaboratives in medical subspecialties remain a minority, with only three in respiratory. The National Institute for Health research (NIHR) national Respiratory National Specialty Group has a 5-year strategy that includes 'developing researchers of the future' and therefore are keen to promote these collaboratives.

Methods With the support of the NIHR a self-reported cross-sectional survey was conducted to investigate the research experience and views of current respiratory trainees. All current respiratory trainees (n=768) were invited to take part in a short web-based survey via emails cascaded by local Training Programme Directors.

Results 97 (12%) complete responses were received with a good spread from across England and training grades.

Unfortunately, no responses were received from the devolved nations. The majority (62%, 60/97) of trainees had not taken time out of training for research and only 38% (23/60) of these trainees had experience of research during their training. However, this number improved during the recent pandemic with 58% (56/96) of trainees supporting COVID-19 trials. Trainees could only access a trainee research network in 3 of the 15 local CRN geographic areas. Of those without, 88% (61/69) were interested in joining one. Perceived barriers to performing research included lack of time and lack of awareness of how to get involved (*see figure 1*). Training needs identified included networking with local mentors and online research training and support.

Conclusion Clinical research can significantly improve patient outcomes and is a core curriculum requirement for trainees.

Abstract P173 Figure 1 Perceived barriers to undertaking research during respiratory training

Unfortunately, our survey shows that most trainees who would like to engage with research have not had access. There is currently a unique opportunity to build upon the recent surge in research interest following widespread engagement in COVID-19 trials. There is a lack of accessible research experience for respiratory trainees. A potential solution would be a national trainee research network which could provide a unique opportunity for the creation of high-quality collaborative research spearheaded by trainees.

P174 RESEARCH FOR ALL: THE IMPACT OF NWCORR, A TRAINEE RESEARCH COLLABORATIVE

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Introduction and Objectives There is an ongoing need to increase trainees participation in research in order to equip tomorrow's consultants with the skills required to appraise and deliver innovation. Trainee research networks have been established in a range of specialties, resulting in high impact studies benefiting patients whilst involving and developing trainees. However, to date, there are only a few such initiatives in the respiratory community. Here, we describe the experience of a collaborative in the Mersey and North West regions.

Methods Launched in February 2020, the North West Collaborative Organisation for Respiratory Research (NWCORR), has fostered collaboration between respiratory trainees from the Mersey and North West Deaneries to create high quality, multicentre research. This collaborative has been initiated with the support of National Institute of Health Research (NIHR) Clinical Research Network (CRN) Greater Manchester and supported by mentorship from research-active consultants in subspecialties relevant to its projects and Local CRN lead. The network now provides all trainees in clinical training a new pathway to gain valuable experience of research design

and delivery through mentorship and networking as valuable part of specialty training.

Results With 42 active members, NWCORR has undertaken three research projects with several projects planned. Over 1300 patients have been included across 13 hospitals, with 39 trainees gaining valuable research experience (*see table 1*). Trainees have led on all aspects of research projects from design to publication. Completed projects have significantly impacted the care of COVID-19 patients whilst engaging 39 trainees across 2 deaneries and have been published and/or presented to disseminate the results.

Conclusions The experience of NWCORR reflects a high rate of trainee enthusiasm to participate in research alongside clinical training and highlights the potential of collaborative networks. It has enabled trainees who may not wish, or have the opportunity, for an 'out of programme' research post to develop research skills and interests. We believe NWCORR and other trainee research collaboratives can, and should, play a pivotal role in embedding a research culture into everyday practice, improve patient care and build early career researchers within the NHS.

P175 BRONCHOSCOPY TRAINING IN SCOTLAND: FEEDBACK FROM RESPIRATORY TRAINEES DURING THE SARS-COV-19 PANDEMIC

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Aims and Objectives The curriculum for bronchoscopy training in the UK is generic and lacks clear goals for trainees to achieve. In addition to this, assessment methods currently used are informal and vary according to the individual trainee and trainer. In contrast to this, gastroenterology trainees use the same online platform to log their progress nationwide. The online platform allows trainers to review trainees' progress, thus allowing a focused approach to teaching.

Additionally, the SARS-CoV-19 (COVID-19) pandemic has caused a drastic reduction in bronchoscopy lists, thus curtailing training opportunities. Our aim was to gather feedback on Scottish bronchoscopy training during the COVID-19 pandemic and to identify areas needing improvement more generally.

Abstract P174 Table 1 List of studies that NWCORR have undertaken since its inception

Study name	Description	Project start	Project end	No. of trainees involved	No. of hospitals	No. of patients	Presentations	Publications
CURB-COVID-NOW Project	Investigating the use of CURB65 as a prognostic score for COVID-19 patients.	March 2020	December 2020	19 Trainees	9 sites	830 Patients	BTS Winter Meeting Feb 2021	BMJ Open Research DOI: 10.1136/bmjresp-2020-000729 PMID: 33293361 *
CPAP COVID Project	Investigating ward-based oxygen therapy and CPAP in patients with COVID-19 pneumonitis	August 2020	May 2021	18 trainees	7 Sites	479 Patients	North West Thoracic Society March 2021	Manuscript in preparation
Post inflation pneumothorax chest drain management project	Investigating clamping of chest drain post pneumothorax resolution	August 2020	Ongoing	7 trainees	4 sites	Ongoing		

* Bradley P, Frost F, Tharmaratnam K, Wootton DG; NW Collaborative Organisation for Respiratory Research. Utility of established prognostic scores in COVID-19 hospital admissions: multicentre prospective evaluation of CURB-65, NEWS2 and qSOFA. *BMJ Open Respir Res.* 2020 Dec;7(1):e000729. doi: 10.1136/bmjresp-2020-000729. PMID: 33293361; PMCID: PMC7722817.