

INTERDISCIPLINARY RESEARCH IN HEALTH SCIENCES (IRIHS) ANNUAL REPORT 2022

IRIHS is a research unit within the Nuffield Department of Primary Care Health Sciences at the University of Oxford. It is led jointly by Professors Trisha Greenhalgh and Sara Shaw, via an Executive team which also includes Dr Julie Darbyshire, Associate Professor Chrysanthi Papoutsis, Dr Gemma Hughes and Charlotte Thompson-Grant. IRIHS aims to undertake high-quality interdisciplinary research, teaching and applied scholarship across a range of fields relating to clinical practice, organisation and delivery of health and care services, health policy, translational science (including the social and behavioural sciences), digital health and the patient experience.

SUMMARY: Main achievements in 2022 and strategy for 2023

1. **ACADEMIC TEAM.** The **28 IRIHS staff** comprise: one Clinical Professor; one Professor of Health Policy & Practice; two Associate Professors; five Senior Researchers; two Senior Research Managers; five Postdoctoral Researchers (one on a visiting fellowship from University of Montreal); one Predoctoral Research Fellow; three Research Assistants; one NIHR In-Practice Fellow; one GP researcher; four Academic Clinical Fellows; and two academic-related and support staff. We have **six honorary IRIHS academics** who bring expertise and ideas from other universities in UK and abroad.
2. **RESEARCH:** Research income for new research studies in 2022 included approximately **£1.45M as principal and co-investigators**. We have approximately £1.2M in ongoing research grants. We submitted three major programme grants in late 2022—one to NIHR on rapid evaluation and two in theoretically-oriented social science calls (ERC and Wellcome); outcome is awaited.
3. **AWARDS, FELLOWSHIPS and PROMOTIONS** included: **Sara Shaw** was promoted to Professor. **Chrysanthi Papoutsis** was promoted to Associate Professor, appointed Fellow of Green Templeton College and gained an international award for best paper. **Geoff Wong** was appointed as Deputy Director of Graduate Studies. **Anne Ferrey** gained a Distinction in her PGCert in Teaching and Learning in Higher Education. **Ellie Barry** received the President's Medal from the Faculty of Public Health. Funded study awards to **Emma Ladds** and **Jo Wallinger** (doctoral), **Rebeca Payne** (pre-doctoral), **Jackie Walumbe** (Topol, postdoctoral). **Charlotte Thompson-Grant** received a departmental Award for Excellence.
4. **PUBLICATION AND DISSEMINATION:** We published **107 peer-reviewed academic articles**. We gave over **20 high-profile keynote lectures and policy briefings**. IRIHS senior staff sit on a number of policy groups e.g. six members of IRIHS **advise NHS England** on various committees. We continued to play a prominent role in **public understanding of science** in the pandemic.
5. **TEACHING:** Our **MSc in Translational Health Sciences** is now in its third year with 44 students enrolled and 9 modules running. Our **DPhil in Translational Health Sciences** is in its second year; two new research students joined the department in October 2022 (one based in IRIHS and one in MS&HERG). We have had significant interest for the October 2023 intake. We contributed to various other MSc courses at Oxford.
6. **DOCTORAL STUDENTS.** Of our **27 registered DPhil students based in IRIHS**, one passed their final viva with no corrections, two passed with minor corrections and one has submitted. Five students passed Transfer of Status and three passed Confirmation of Status. We supervise a **further 8 DPhil students** outside IRIHS. We ran an extensive programme of training, mentoring and support for our research students.
7. **STAFF WELLBEING.** The unit continues to be a supportive, nurturing and challenging environment where students, academics and support staff can develop and thrive. We have an active programme of peer support and mentoring, and take a flexible approach to people's individual needs and priorities.
8. **STRATEGY:** Ensure delivery of **current research** grants. Continue to work towards **programme grants in social science**. Continue to build and maintain **links with policymakers**. Ensure delivery and modest growth of our **MSc and DPhil programme**; support student **placements beyond academia**. **Support all academic staff** to write, publish and disseminate, with outreach links as appropriate. Support career progression of all staff via promotion and mentoring schemes. Identify and tap into **departmental funding sources**.

Staff in post on 31 December 2022 (see also DPhil students below)

ACADEMIC STAFF				
Name		Role	Academic field	FTE
Trisha	Greenhalgh	Clinical Professor and Co-Director of IRIHS	GP, social sciences	100%
Sara	Shaw	Professor and Co-Director of IRIHS	Health policy, sociology	90%
Chrysanthi	Papoutsi	Associate Professor	Social sciences	100%
Geoff	Wong	Associate Professor	GP and Realist Research	70%
Natassia	Brenman	Senior Researcher	Medical Anthropology/ sociology	100%
Joanna	Crocker	Senior Researcher	Biomedical Sciences/ Mixed Methods	60%
Anne	Ferrey	Senior Researcher & Course Director in MSc in THS	Cognitive Psychology	100%
Gemma	Hughes	Senior Researcher	Social sciences/ NHS management	50%
Joe	Wherton	Senior Researcher	Psychology / HCI	100%
Julie	Darbyshire	Senior Scientific Officer/ BRC Theme Co-Lead	Stakeholder experiences/ Mixed methods/ Secondary care research	100%
Stuart	Faulkner	Senior Research Manager	Medical innovation and health systems policy	100%
Hassane	Alami	Health Services Researcher (visiting)	Public Health and Health Services Organisation	100%
Teresa	Finlay	Health Services Researcher	Nursing / Social sciences	100%
Lucy	Moore	Health Services Researcher	Nursing/ Primary Care research	80%
Claire	Reidy	Health Services Researcher	Psychology	100%
Jackie	Van Dael	Health Services Researcher	Social Sciences	100%
Claire	Duddy	Research Fellow	Realist reviewer/ information specialist	80%
Francesca	Dakin	Research Assistant	Social Sciences	20%
Laiba	Husain	Research Assistant	Social Sciences	20%
Sara	Shasha'h	Research Assistant	Translational Health Sciences/ Clinical Pharmacy	100%
Asli	Kalin	GP Researcher	GP	20%
Rebecca	Payne	NIHR In-Practice Fellow	GP	50%
Alex	Bowes	Academic Clinical Fellow	Sexual and Women's Health	20%
Alexandra	Caulfield	Academic Clinical Fellow	GP	20%
Isabella	De Vere Hunt	Academic Clinical Fellow	GP	20%
Neda	Taghinejadi	Academic Clinical Fellow	Sexual and Women's Health	20%

See also Eleanor Barry, Julian Treadwell and Jackie Walumbe below (NIHR Doctoral Fellows on payroll)

SUPPORT STAFF				
Name		Role	Main focus	FTE
Sally	Carr	MSc Administrator	MSc in THS administration	50%
Charlotte	Thompson-Grant	IRIHS Administrator / PA	IRIHS administration / PA to IRIHS Directors	80%

ASSOCIATES			
Name		Role	Academic field
Christine	A'Court	Honorary GP Researcher	GP with extended role in cardiology
Aileen	Clarke	Honorary Clinical Professor	Health services research
Nick	Fahy	Honorary Senior Researcher	Health policy and systems/ Psychology
Ninna	Meier	Honorary Associate Professor	Business and Management
Lucas	Seuren	Honorary Health Services Researcher	Linguistics
Sietse	Wieringa	Honorary GP Researcher	GP

Higher degree students (including those on staff payroll)

BASED IN OUR DEPARTMENT (INCLUDING DPHILS in EBHC REGISTERED WITH CONT ED)

Name	Background	Supervisors	Funding	Topic	From (FT/PT)	Progress
Helene-Mari van der Westhuizen	Clinical medicine	Greenhalgh Butler Tonkin-Crine Ehrlich	Rhodes Scholar	Reducing the spread of tuberculosis in rural areas in South Africa	2018 (FT)	Viva passed with no corrections Oct 2022
Katrin Micklitz	Mindfulness Practitioner	Wong , Howick	Self	Workplace-based mindfulness programmes	2017 (PT)	Viva passed with minor corrections Nov 2022
Jackie Walumbe	Physiotherapy	Shaw , Silman, Swinglehurst, Hughes	NIHR DRF	Self-management in chronic pain	2018 (PT)	Viva passed with minor corrections Dec 2022
Jacobus (Koot) Kotze	Doctor	Greenhalgh Fahy,	Rhodes Scholar	Hybrid clinician-managers in South Africa	2018 (FT)	Submitted; viva due Feb 2023
Maryam Ahmadyar	Dental public health	Wong	Clarendon scholar	Improving access of young homeless people to dental services	2018 (FT)	Viva due Hilary Term 2023
Alex Jager	Social policy	Wong , Papoutsi	NIHR SPCR	The usage of data within primary care commissioning: a realist synthesis and evaluation	2018 (FT)	Viva due Hilary term 2023
Mona Koshkouei	Pharmacy	Greenhalgh Papoutsi Ford, Dopson	Self	Falsified Medicines Directive	2018 (PT)	On course to submit in early 2023
Paul Dijkstra	Sports Medicine	Greenhalgh Glyn-Jones	Self	Primary cam morphology in adolescent athletes	2015 (PT)	On course to submit in 2023
Richard Gleave	Policymaker	Shaw , Fahy, Greenhalgh	Public Health England	How national public health bodies use evidence	2017 (PT)	CoS passed Nov 2022
Julian Treadwell	GP	Greenhalgh Mahtani Crocker Wieringa	NIHR DRF	Online tools for assessing benefits & harms of treatments	2018 (PT)	CoS passed March 2022

Ellie Barry	GP	Greenhalgh, Shaw, Papoutsis	NIHR DRF	Lived experience of pre-diabetes	2018 (PT)	CoS due 2023
Georgette Eaton	Paramedic	Mahtani, Wong , Tierney	NIHR DRF	Use of paramedics in primary care	2019 (PT)	ToS passed March 2021
Jeremy Leslie-Spinks	Professional Dance	Greenhalgh , Potter, Arnaldi	Snow Scholar: patient led research	Narratives of elite ballet dancers with degenerative spinal disease.	2020	ToS passed Jan 2022
Katherine Kalaris	International Development	Wong , English	Self	A realist evaluation of implementing better care practices and bundled technologies in Kenyan Hospitals	2020 (PT)	ToS passed March 2022
Francis Ayomoh	Public Health Physician	Shaw, Hughes , Silman	Commonwealth Scholarship Commission	Improving task-shifting and task-sharing for essential healthcare services in Nigeria	2021 (FT)	ToS passed Feb 2022
Amy Booth	Doctor	Shaw, Wieringa Breen	Rhodes Scholar	Decarbonising the pharmaceutical supply chain	2021 (FT)	ToS passed Dec 2022
Laiba Husain	Psychology / HSR	Greenhalgh, Hughes, Wherton, Finlay	THIS Institute QI fellowship	Reducing digital inequalities in remote services	2021 (FT)	ToS passed Nov 2022
Francesca Dakin	Anthropology	Greenhalgh , Rai, Paparini	SPCR	Learning from the experiences of primary staff in deprived areas during the pandemic	2021 (FT)	ToS viva booked for Jan 2023
Josephine Wallinger	Speech and Language Therapist	Greenhalgh , Snowling, Ferrey	The Colt Foundation	Developmental Language Disorder (DLD) in the workplace	2021 (FT)	ToS due 2023
Shuranjeet Tahkar	Political science	Greenhalgh , Bhui, Mathur	Sikh charity	PPIE in youth mental health from critical public health / critical race theory perspective	2021 (PT)	ToS due 2023
Michelle Treacy	Nursing	Wong , Odell (Reading)	Self	What mechanisms influence use of NEWS Score in noncritical care?	2021 (PT)	ToS due April 2024
Jonny Edwards	Advanced clinical practitioner	Paparini, Ferrey	Self	Qualitative study of the impact of PrEP on LGBTQ+ communities	2021 (PT)	ToS due 2023
Angille Heintzman	Policymaker (Canada)	Wong Friedemann-Smith	Self	Cancer screening for refugees in Canada and Europe	2021 (PT)	ToS due 2023
Rosie Cooper	Public Health Physician	Wong Ariss (Sheffield)	NIHR CDRF	How, why, for whom, in what contexts and to what extent does a digital follow-up intervention for coliac disease patients work?	2022 (FT)	ToS due Oct 2023
Emma Ladds	GP	Greenhalgh, Darbyshire , Swinglehurst	Wellcome/SPCR	How can we protect relationship-based care in contemporary ('remote by default') general practice?	2022 (PT)	ToS due April 2025
Babar Akbar	GP	Wong , Santiago (St Andrews)	Self	Understanding the role and value of the multidisciplinary team	2022 (PT)	ToS due April 2025

				model for Primary Care Out of Hours in Scotland: A realist approach		
Devon McConnell	Psychologist (USA)	Wong, Ferrey	Self	Using attachment-based Emotionally Focused Individual Therapy (EFIT) to decrease depression and anxiety in underrepresented business leaders (a realist approach)	2022 (PT)	ToS due April 2025

BASED ELSEWHERE

Name	Based in	Background	Supervisor	Topic	From (FT/PT)	Progress
Jaimie Lee Freeman	U of Oxford (Oxford Internet Inst)	Psychology & Education	Neff Shaw Papoutsis	Adolescents' use of digital self-tracking technologies	2019 (FT)	Viva due early 2023
Vu Thi Quynh Giao	U of Oxford (Nuffield Dept of Medicine)	Public Health	Lewycka, Chambers, Wong	Uses of antibiotics among food-animal farmers in Vietnam	HT 2020 (FT)	ToS passed Oct 2021
Gulraj Grewal	U of Oxford (Nuffield Dept of Medicine)	Global health	Papoutsis , Fuller, Paton, Maina	Continuity of post-discharge care for at-risk newborns in Kenya	HT 2021 (FT)	ToS passed April 2022
Asma Rababeh	U of Oxford (Nuffield Dept of Medicine)	Nursing, health informatics	Papoutsis , Paton, Fuller, Oluoch	Information tools in post-discharge care for newborns in Kenya	HT 2021 (FT)	ToS passed April 2022
Sonia Valentin	U of Oxford (Martin School)	Neuroscience, health informatics	Sen, Wherton	Global programme on remote epilepsy monitoring	MT 2021 (FT)	ToS due 2023
Emily Hulse	U of Oxford (Nuffield Dept of Pop Health)	Health policy and systems	Rayner, Shaw	System approach to improving UK Chronic Disease Prevention	MT 2021 (FT)	ToS due 2023
Lucy Potter	University of Bristol	GP	Feder, Wong , Horwood, Farr	Access to primary care for people with severe and multiple disadvantage	2022 (PT)	
Sara Calderon	Queen Mary University of London	GP	Finer, Greenhalgh	Critical perspectives on social prescribing	2017 (PT)	Writing up

Research activity

New research grants secured in 2022 on which we are principal investigators:

- TOGETHER2: Evaluating video and hybrid group consultations in general practice: mixed-methods, participatory study** NIHR HS&DR 2022-2024. Co-PIs Papoutsis, Shaw. £583, 513.
- Remote by Default 2 – the New Normal? Care navigation work package** NIHR Health and Social Care Delivery Research: social care extension Co-led by Hughes and SRB (Plymouth). £177, 157
- MoDCons: Mode of Consultation in general practice** NIHR SPCR 2022 – 2024. PI Shaw (with Gill, Papparini, Spooner, Swinglehurst). £398, 566

4. **COMT: COMMunicating Together in video and hybrid group consultations** NIHR SPCR 2023. Co-PIs Papoutsis, Reidy. £44,364
5. **Vaccination narratives in people with long covid.** Balvi fund 2022 -2023. PI Greenhalgh. £37, 015

New research grants secured in 2022 on which we are co-investigators:

1. **CUP3: A realist evaluation to optimise the delivery and impacts of interventions to reduce doctors' mental ill-health in the NHS.** NIHR HS&DR 2022 - 2024, co-PIs Carrieri and Mattick (University of Exeter) with Wong and Papoutsis as co-investigators. £569,919 (£36, 805 to Oxford)
2. **Post-Diagnostic Dementia Support within the ReCOVERY College Model: A Realist Evaluation (DISCOVERY).** NIHR HS&DR 2022-2024. Fox (Exeter) / West (UEA) with Wong and Duddy as Oxford leads. £35,384 to Oxford.
3. **Community Pharmacy and General Practice collaborative and integrated working: a realist review (COMPANION).** NIHR SPCR 2022-2023. Park (UCL) £157,056 with Wong and Duddy as Oxford leads. £25,436 to Oxford.
4. **Realist Review: Health visiting in light Of the COVID-19 Pandemic Experience (RReHOPE).** NIHR HS&DR 2022-2023. Gadsby (Stirling) with Wong and Duddy as Oxford leads. £35,875 to Oxford.
5. **Developing Realist Economic Evaluation Methods (REEM) and Guidance to Evaluate the Effectiveness, Costs, and Benefits of Complex Interventions.** NIHR HS&DR. Oct 2022-2025. Dalkin/Bate (Northumbria) with Wong as Oxford lead. £23,949 to Oxford.
6. **Developing interventions to reduce 'missingness' in health care.** NIHR HS&DR. Dec 2022-2025. Williamson (Glasgow) with Wong and Duddy as Oxford leads. £36,900 to Oxford.
7. **Sustainable GP Workforce: a Realist Review.** 2022-2024. NIHR SPCR. Park (UCL) lead with Duddy at Oxford PI. £7945 to Oxford.
8. **CHEWI: Crafting for Heritage in Iraq.** 2022. With colleagues from Southampton and Royal Holloway, University of London – Ferrey as Oxford lead.

Ongoing research studies on which we are principal investigators:

1. **Remote by Default 2: The New Normal?** NIHR HS&DR 2021-2023. Co-PIs Greenhalgh, Shaw. £893,417 (£521,853 to IRIHS).

Ongoing research studies on which we are named co-investigators:

1. **LONG COvid Multidisciplinary consortium: Optimising Treatments and services across the NHS (LOCOMOTION).** 2021-2023. NIHR Covid-19 fast-track call. M Sivan (Leeds) and B Delaney (Imperial) with Greenhalgh as Oxford PI. £35. £395,468 to Oxford.
2. **Assessing the impact of introducing online postal self-sampling for sexually transmitted infections into sexual health provision within the UK on health inequalities, access to care and clinical outcomes.** April 2021 – March 2024. NIHR HS&DR. UCL lead with Wong as Oxford PI. £19, 618 to Oxford.
3. **Improving the mental health and mental health support to adolescents looked-after via low-intensity life story work:** Realist review. Oct 2021 – Jan 2023. RfPB. UEA as lead, Wong as Oxford PI. £18, 929
4. **Integrating Palliative Care and Heart Failure: a Realist Synthesis (PalliatHeartSynthesis).** September

2021 – February 2023. NIHR HS&DR. Queen’s Belfast as lead, with Wong as Oxford PI. £42, 603

5. **Optimising the delivery of remediation programmes for doctors: A participatory co-design and realist evaluation approach (RESTORE 2).** July 2021 – August 2023. NIHR HS&DR. Plymouth University as lead with Wong as Oxford PI. £29, 195.
6. **Post-Diagnostic Dementia Support within the ReCOVERY College Model: A Realist Evaluation (DISCOVERY).** January 2022 – December 2024. UEA as lead with Wong as Oxford PI, with CD. £35, 384
7. **REalist Synthesis Of non-pharmacological interVENTions for antipsychotic-induced weight gain (RESOLVE).** Nov 2021 – Oct 2023. HS&DR. Aston University as lead with Wong as Oxford PI. £51, 391.
8. **The clinical, social and cost effectiveness of a decision support tool to optimise community-based tailored management of sleep (TIMES) for people living.** November 2021 – October 2026. HS&DR. Plymouth University as lead with Wong as Oxford PI. £39, 857.
9. **Understanding the implementation of link workers in primary care: A realist evaluation.** August 2021 – January 2023. NIHR HS&DR. Oxford as lead, Tierney & Mahtani as PIs, Wong co-app. £10, 312.
10. **Witness to Harm; Fitness to Practice.** September 2021 – February 2024. NIHR HS&DR. Sara Ryan as lead PI at Manchester University, with Hughes as Oxford PI. £94,978 to Oxford.
11. **Evaluating the national rollout of the NHS App in England.** £500,000. NIHR HS&DR programme. Oct 2020 to June 2023 (PIs Felix Greaves at Imperial College London and John Powell at University of Oxford; CP as Co-Investigator and lead for qualitative work package).
12. **Learning to Harness Innovation in Global Health for Quality Care (HIGH-Q).** NIHR Global Health Policy & Systems call. PI - M English with TG (adviser on technological innovation in LMICs), GW and CP (lead for workpackage 2). 2020 – 2024. £181,604 to Oxford.
13. **Optimising Shared decision-making for high-Risk major Surgery (OSIRIS).** £221,763 of total grant £2,342,660 NIHR Programme Grant for Applied Research. Feb 2019 – Dec 2025. (PI -Rupert Pearse from QMUL; SS and JW as co-applicants).
14. **VIRTUAL PRESENCE: A cultural analysis of the emergence of ‘telepresence technologies’ as a solution to loneliness.** Research Council of Norway. International collaboration with Oslo Met and University of Oslo. 2020-2024. PI - Marit Haldar, with TG, JW, SS. Nkr 835,000 of Nkr28,536,000 (about £85,000 of £3M).

Major programme grants submitted in 2022 on which we are principal investigators:

COMPLEXITY-IN-ACTION: Addressing value complexity in partnerships for change in health and care. €10M. Submitted to European Research Council November 2022. Co-PI—Greenhalgh (with Bal [Erasmus Rotterdam], Engebretsen [Oslo], Kjellstrom [Jonkoping, Sweden]).

Oxford University-RAND Europe centre for rapid evaluation of technology-enabled remote monitoring - DECIDE (Digitally Enabled Care in Diverse Settings). £2M. Submitted to NIHR November 2022.

CLINICAL and SOCIAL CARE in A DIGITAL ERA (CASCADE): Reducing disparities, enhancing presence, strengthening infrastructure. £2.04M. Submitted to Wellcome Discovery call December 2022. PI—Greenhalgh.

Awards, Fellowships and Promotions

Awards and prizes in 2022

AYOMOH: highly commended' for his presidential role of Oxford Global Health and Care Society; Having revived this University-wide student group based at Green Templeton.

BARRY: President's Medal from the Faculty of Public Health for her work to bring public health and primary care closer together.

HUGHES: Associate Fellow of the Higher Education Academy

PAPOUTSI: and co-authors won the Diana Forsythe Award from the American Medical Informatics Association for best paper at the interface between social science and health informatics: 'Putting the social back into sociotechnical: Case studies of co-design in digital health'. Promoted to Associate Professor

SHAW: awarded the title of Professor in the 2022 Medical Sciences Division Recognition of Distinction Exercise

THOMPSON-GRANT: Departmental Award for Excellence for supporting the IRIHS team

New fellowships in 2022:

LADDS: Wellcome DPhil Fellowship, £312,240

PAYNE: NIHR In-Practice Fellowship £128,806.

WALLINGER: Colt Foundation PhD Fellowship. The Colt Foundation. Award 2022-2025.

WALUMBE: Topol Digital Fellowship 2022-2023

Research impact/knowledge translation activity (see also 'External appointments')

Impact activities in 2022:

1. **Health and Social Care Committee**, invited evidence submission (NHS App evaluation), Independent Panel on NHS Digitisation (**CP, CR** with colleagues).
2. **Health Systems Collaborative learning event**, sessions on sociotechnical innovation for an audience of researchers, policy-makers and clinicians from Kenya (**CP**), September 2022.
3. NIHR Global Health Research **HIGH-Q/IMPRESS cohort development programme (Kenya-Malawi)**, Training workshop on Case studies for the evaluation of complex interventions in context (**CP, SS**, Paparini, Murdoch), December 2022.
4. **Outside the Box**: collaboration with Museum of Oxford and Oxford Playhouse to develop arts-based programmes for people with mild cognitive impairment – funded by the Rothschild Foundation (**Ferrey**)
5. **Science Together** – a public engagement project funded by University of Oxford and Oxford Brookes (**Ferrey**).

6. Adult Social care Policy Division in the Department of Levelling Up, Housing and Communities through [CAPE \(Capabilities in Academic Policy Engagement\)](#), a new collaboration between the [Centre for Science and Policy](#) (CSaP) at the University of Cambridge, UCL and the universities of Manchester, Northumbria and Nottingham, supported by Research England (**Hughes**)
7. Design science dissemination project: <https://www.design-science.org.uk/projects/pain-care-in-our-nhs> (**Walumbe**).
8. Podcast with The Rest Room on Self-Management in Chronic illness: <https://podcast24.co.uk/episodes/the-rest-room/the-problem-with-self-management-E8xKFrxs5S> (**Walumbe**).

Teaching and student support

1. **DPhils.** Most of our current DPhil students are registered for the DPhil in Primary Health Care or Evidence-Based Health Care. The new DPhil in **Translational Health Sciences (THS)**, for which our MSc is a feeder course, is now in its second year. Two new students commenced on the THS DPhil in October 2022, joining two students from the previous year. We had over 20 applications for the October 2023 intake.

With **Papoutsi** as lead, we ran a support programme for all IRIHS DPhils to enhance cohort development, capacity building and support students in their academic journeys (10 sessions in 2022, including theory workshops, session on ethnicity and race, and mock viva interviews).

2. **MSc in THS.** Our MSc in Translational Health Sciences, in collaboration with Continuing Education (Programme Director: Greenhalgh; Course Director: Ferrey), is now running for its third year. There are 44 students enrolled, six of whom are full-time.

Modules running on the programme are:

- Introduction to Research Methods for Translational Health Sciences (Shaw & Greenhalgh)
- Behavioural Science and Complex Interventions (Ferrey & Wanat)
- Economics and Regulation in Translational Science (Faulkner & Yang)
- Ethics and Justice in Translational Science (Sheehan, Graham)
- Health Organisations and Policy (Hughes, Greenhalgh)
- Patients, Citizens & the Politics of Evidence (Finlay)
- Healthcare Evaluation and Research Impact (Greenhalgh, Ovseiko, Papoutsi)
- Technological Innovation and Digital Health (Papoutsi)
- Translational Science and Global Health (Kalin, van der Westhuizen, Papparini)

3. **Other MSc teaching.** Geoff Wong leads the MSc module in Realist Evaluation and Review with Claire Duddy. Chrysanthi Papoutsi co-leads the Foundations module on the departmental MSc in Applied Digital Health (with Cathy Pope). We have also taught on the following Masters courses run by other groups:

- MSc in Applied Digital Health (Papoutsi, Greenhalgh, Treadwell)
- MSc in Evidence-Based Health Care (Wong, Duddy, Shaw, Finlay, Hughes, Crocker, Wherton, Kotze)
- MSc in Evidence-Based Systematic Reviews (Wong, Duddy)
- MSc in International Health & Tropical Medicine, Nuffield Department of Medicine (Greenhalgh)
- MSc in Surgical Sciences, Nuffield Department of Surgery (Greenhalgh)
- Qualitative research summer school, University of Antwerp (Hughes)

4. **Undergraduate teaching.** All our clinically qualified staff and many non-clinical staff do some undergraduate teaching. IRIHS is a popular unit for student projects; we have welcomed several undergraduate medics who wish to cover social science topics in their special study modules. We give lectures and coaching for undergraduate exams. Greenhalgh teaches critical appraisal of medical articles in small groups to undergraduates.
5. **College-based support and teaching.** Greenhalgh, Shaw, Papoutsi & Crocker are College Advisors at Green Templeton; Ferrey and Wong are College Advisors at Kellogg and Hughes is College Advisor at Reuben College.
6. **Internships.** During 2022, we welcomed four undergraduate interns, a visiting DPhil student and one postdoctoral casual member of staff:

Undergraduates:

- Sanay Goyal: The carbon footprint of medical devices
- Joseph Myatt: Carbon modelling delivery modes of higher education
- Martha Pickard-Strange: The role of virtual consulting in developing environmentally sustainable health care
- Megan Hennessy: Virtual Presence, media representations of technology and loneliness

Visiting DPhils:

- Emilie Molholm Kjaerulff (University of Copenhagen): Diabetes information in online peer-to-peer communities

7. Teaching Qualifications

Ferrey achieved a Distinction in her PGCert in Teaching and Learning in Higher Education

Peer-reviewed publications

1. **A'Court C**, Jenkins W, **Reidy C**, **Papoutsi C**. Patient-initiated cardiovascular monitoring with commercially available devices: How useful is it in a cardiology outpatient setting? Mixed methods, observational study. *BMC cardiovascular disorders* 2022;22(1):428. doi: 10.1186/s12872-022-02860-x
2. **Alami H**, Lehoux P, **Shaw SE**, **Papoutsi C**, et al. Virtual Care and the Inverse Care Law: Implications for Policy, Practice, Research, Public and Patients. *International journal of environmental research and public health* 2022;19(17):10591. doi: 10.3390/ijerph191710591
3. Albury C, Barnes R, **A Ferrey A**, Coleman T, et al. The old and familiar meets the new and unknown: patient and clinician perceptions on e-cigarettes for smoking reduction in UK general practice, a qualitative interview stud. *Addiction*, Volume 117, Issue 5, May 2022. doi:10.1111/add.15760
4. Ali OME, Gkekakos E, Ali AMS, et al (**Waqar S**). Informing the UK Muslim Community on Organ Donation: Evaluating the Effect of a National Public Health Programme by Health Professionals and Faith Leaders. *Journal of religion and health* 2022 doi: 10.1007/s10943-022-01680-9
5. Amaro RE, Bourouiba L, Davidson AD, et al (**Greenhalgh T**). A Consensus Statement on SARS-CoV-2 Aerosol Dynamics. Center for Open Science, 2022.
6. Baraitser P, Free C, Norman WV, et al (**Wong G**). Improving experience of medical abortion at home in a changing therapeutic, technological and regulatory landscape: a realist review. *BMJ Open* 2022;12(11):e066650-e50. doi: 10.1136/bmjopen-2022-066650
7. **Barry E**, **Greenhalgh T**. How do UK general practice staff understand and manage prediabetes? A focus group study. *BJGP open* 2022;6(2):BJGPO.2021.0166. doi: 10.3399/bjgpo.2021.0166

8. Blacklock C, Darwin A, English M, et al (**Wong G**). The social networks of hospital staff: A realist synthesis. *Journal of Health Services Research and Policy* 2022;27(3):242-52. doi: 10.1177/13558196221076699
9. Boagey H, Jolly J, **Ferrey A**. Psychological impact of vision loss. *Journal of Mental Health and Clinical Psychology*
10. **Booth, A**. Carbon footprint modelling of national health systems: Opportunities, challenges and recommendations. *The International Journal of Health Planning and Management*. 2022; 1-9.
11. **Booth, A.**, Wester, A. A Multivariate analysis of the contribution of socioeconomic and environmental factors to blood culture *E. coli* resistant to fluoroquinolones in high-and middle-income countries. *BMC Public Health*. 2022
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Major keynote lectures, workshops and conference presentations

Members of IRIHS gave over 20 national and international keynote lectures including presentations to clinical and policy groups around the world (e.g. Ireland, South Africa, Australia, Norway, Sweden) covering a wide range of topics including planetary health, Covid-19, remote consultations, digital transformation, philosophy of science, quality improvement, equity in healthcare, and research methods.

Examples of keynotes/ major talks:

- Booth A. University of Kwa-Zulu Natal, South Africa. March 2022. *First do no harm – to patients and the planet*. (Presented virtually)
- Booth A. European Medical Writers Association, Environmental Seminar Series. Latvia. November 2022. *The route to net zero healthcare* (Presented virtually).
- Greenhalgh T. *Face masks: a pragmatist analysis*. Tanner lecture on Human Values, Clare Hall, Cambridge. February 2022.
- Greenhalgh T. *Pandemic Resilience: What the metrics failed to predict*. Australia and New Zealand Health Services Research Conference, Sydney, November 2022. Opening keynote.
- Greenhalgh T. Centre for Global Higher Education, University of Oxford. May 2022. *Science in the public eye: communicating and debating research findings in real time in a global public health crisis*
- Greenhalgh T. *How new technologies could be used to reduce inequalities (but usually aren't)*. Nordic Congress of General Practice, Stavanger, Norway. June 2022.
- Greenhalgh T. *Beyond the 'qualitative side salad': how medicine can gain from equal partnerships with non-medical disciplines*. Keynote for receipt of honorary doctorate from University of Oslo, September 2022.
- Greenhalgh T. *50 years of new technologies in healthcare: a feminist critique*. Clare College, Cambridge, November 2022. Invited keynote to celebrate 50 years of women at Clare.
- Hughes G. *The delights and dangers of doing ethnography in the NHS*. Keynote at Early-Career Ethnographers of the NHS Workshop: Practicalities, Networks, and Strengthening EDI, Institute of Advanced Studies, UCL, 16 May 2022
- Shaw SE. *The TRIPLE C study - focusing on Case study, Context and Complex interventions*. [keynote] All-Ireland Conference on Integrated Care, Dublin 9-10 March
- Walumbe J. *Dismantling myths on race and ethnicity in pain and health care*. Physiotherapy Congress, Quebec, Canada. November 2022.

Examples of external presentations:

- Booth A. Plenary session. International Society of Medical Publication Professionals. Washington DC. May 2022. *Climate change commitments of leading pharmaceutical companies and their implications for suppliers.*
- Booth A. Oral presentation. World Organisation of Family Doctors Conference, Innovating Family Medicine for a Sustainable Future. London. July 2022. *Educating for sustainable health care.*
- Darbyshire J. Intensive Care Society State of the Art conference, June 2022. 'How to sleep well, and why it matters for everyone'.
- Hughes. Home as hub: transforming domestic time, space and work through digital networks at STAY HOME: new perspectives on the home, University of Copenhagen, 10-11 November 2022
- Hughes and Shaw. Co-convenors of panel. The paradoxes of implementation: a need to reframe the purpose of implementation science? 13th Organisational behaviour in Health Care Conference – Evolution and revolution in the organisation of health and care. September 2022 University of Birmingham, UK
- Hughes. Co-convenor of panel Virtual Presence: the dialectics of loneliness and technology at Politics of Technoscientific Futures, EASST, Madrid 6-9 July 2022 and presenter of Distributed Presence: Multiple Theories of Virtual Presence
- Hughes. A bit more messy than you might like? Achieving research impact through policy NIHR ARC North Thames ECR Network, 4 November 2022
- Papoutsis. Delivering remote care in Covid-19: findings from studies on video group consultations and the NHS App, King's College London (online), February 2022.
- Papoutsis. Co-design and implementation of technology-supported epilepsy care: working with complexity, University of Copenhagen (in-person), May 2022.
- Papoutsis (with Papparini and Murdoch). Complexity and case study research for implementation science, Global Alliance for Chronic Diseases (GACD) Annual Scientific Meeting 2022, London (in-person), December 2022.
- Reidy C. Royal College of General Practitioners (RCGP) Annual Conference, and The World Organization of Family Doctors (WONCA) 2022, London, UK. Paper presented: Patient, staff and stakeholder experiences with the NHS App in general practice: national evaluation using qualitative methods. June 2022.
- Shaw SE, Papparini, Greenhalgh, Papoutsis, Thompson-Grant. Organised international workshop as part of the 3C study: Developing guidance on case studies, context and complexity, Green Templeton College, University of Oxford (February 2022)

External appointments

Barry:

- Diabetes UK Research Steering Group for Type 2 Diabetes and Prevention

Eaton:

- College of Paramedics: Trustee for Research

Finlay:

- Mentor for the Nursing, Midwifery and Allied Health Professionals Clinical Academic Fellowship programme at OUH/BRC

Greenhalgh:

- Member of Independent SAGE
- Visitor, Pitt Rivers Museum, University of Oxford (representing Medical Sciences Division)
- National Long Covid Task Force for England

- Visiting Professor, University of Oslo
- Visiting Professor, Macquarie University, Sydney, Australia
- Distinguished Fellow, George Institute, Sydney, Australia
- European Public Health Association, International Advisory Group on Public Health Research Impact
- NHS England Primary Care Digital Transformation Advisory Group

Papoutsi

- European Innovation Council, External Evaluator, Pathfinder Challenges programme.
- Advisory group, EU Consortium on Design-based Data-Driven Decision-support Tools, led by University Medical Center Rotterdam, Netherlands
- Advisory group, Electronic Medicines Management (eMM) study, University Hospital of North Norway
- Editorial board, International Journal of Medical Informatics (IJMI)
Digital Primary Care Evaluation and Research Network (DPCERN), NHS England and Improvement

Payne

- Chair of NICE Quality Standards Committee, Member of NICE Technology Appraisal committee

Reidy

- Chair, CREATE (Collaborative REsearch And Training in the EHPS). A subdivision of the EHPS (European Health Psychology Society)
- NHS England and NHS Improvement, Diabetes Peer Support Advisory Group
- NHS England and NHS Improvement, Peer Support Expert Reference Group

Shaw:

- Panel Member, MRC Better Methods, Better Research
- MRC guidance on using natural experiments to evaluate population health interventions Panel member, Advisory Group
- Delivering Primary Health Care to Homeless People, NIHR Advisory Committee
- Visiting lecturer (since 2017), Management Centre Innsbruck (MCI), Austria
- Honorary Reader, Queen Mary, University of London

Taghinejadi:

- Member, Faculty of Sexual and Reproductive Health International Committee

Treadwell:

- National Institute for Health and Care Excellence: co-moderator, GP Reference Panel;
- RCGP: Clinical Advisor
- Drugs and Therapeutics Bulletin: Associate Editor

Wherton:

- Advisor to Department of Human-Centred Computing at Monash University

Wieringa:

- Member of the council of the Dutch College of General Practitioners (Netherlands Huisartsengenootschap, NHG)

Wong:

- SPCR Board Member (for Oxford)
- Marie Curie Research Funding Committee

1. RESEARCH:

- a. Ensure delivery of our ongoing funded studies, notably RBD2/MODCONS, TOGETHER2, LOCOMOTION.
- b. Continue to support new Co-PIs to become confident independent PIs and mid-career researchers to become Co-PIs. Ensure the IRIHS unit is a place where people can build sustainable career paths.
- c. Continue to work towards major grants in social sciences, which is where our academic priorities are (2 programme grants have been submitted, outcome awaited).
- d. Continue to diversify income streams (e.g. keep collaborating with European colleagues and RAND; consider ESRC or UKRI).

2. PUBLICATION AND DISSEMINATION:

- a. Streamline publication efforts so mid-career researchers are producing the expected number of international-quality empirical papers with an eye on the next Research Excellence Framework (REF). To that end, reinstate regular publications meetings.
- b. Each senior researcher and postdoc to lead on one 'REF'-able paper.
- c. Continue to provide support for DPhils and early-career researchers to develop writing skills.

3. TEACHING AND STUDENT SUPPORT:

- a. Continue to deliver the MSc and DPhil in Translational Health Sciences; develop teaching and supervisory capacity to accommodate rising workload in this area.
- b. Provide IRIHS-based, peer-led DPhil support to complement (but not duplicate) departmental and university-wide support.
- c. Encourage external (non-university) collaborations and placements with industry, policy and third sector as appropriate for career development.

4. STAFF SUPPORT AND DEVELOPMENT:

- a. Attract funding for core posts in research and teaching to reflect the fact that we now contribute substantially to the work, income and achievements of the Department.
- b. Support early and mid-career researchers to develop fellowship applications, work towards promotion, gain leadership experience, find external placements and develop their careers.
- c. Ensure all staff who teach on MSc and supervise DPhils are confident and supported to deliver a world-leading postgraduate experience for their students.
- d. Extend the internal IRIHS seminar programme to give our social science staff and students additional experience and support.
- e. Actively support professional development for IRIHS administrative and support staff.

Trisha Greenhalgh and Sara Shaw
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