

# INTERDISCIPLINARY RESEARCH IN HEALTH SCIENCES (IRIHS)

## ANNUAL REPORT 2021

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. 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 2021 and strategy for 2022

1. **ACADEMIC TEAM.** The **26 IRIHS staff** comprise: one Clinical Professor; two Associate Professors; five Senior Researchers; two Senior Research Managers; five Postdoctoral Researchers; one (Predoctoral) Research Fellow; one NIHR In-Practice Fellow; two GP researchers; two Academic Clinical Fellows; two Research Assistants; and three academic-related and support staff. We have **four honorary IRIHS academics** who bring expertise and ideas from other universities in UK and abroad.
2. **RESEARCH:** Research income for new research studies in 2021 included **£1.8M as principal investigators**. We have approximately £700K in ongoing research grants.
3. **AWARDS, FELLOWSHIPS and PROMOTIONS.** Trish Greenhalgh received three **honorary doctorates** and was elected an International Fellow of the **US Academy of Medicine**. Sara Shaw gained an **Oxford BRC Career Development Fellowship**. Gemma Hughes gained **Fellowship of Reuben College**. Chrysanthi Papoutsis was **promoted to a senior grade** and Sara Paporini has taken promotion to a Senior Lectureship elsewhere.
4. **PUBLICATION AND DISSEMINATION:** We published **90 peer-reviewed academic articles**. We attracted **£140K in research support and knowledge translation/impact** funding. 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 second year with 38 students enrolled and 9 modules running during the 2021/22 academic year. Two research students commenced the newly-established **DPhil in Translational Health Sciences** in October 2021 and we have had significant interest for the October 2022 intake. We contributed to various other MSc courses at Oxford.
6. **DOCTORAL STUDENTS.** Of our **23 registered DPhil students based in IRIHS**, one passed with minor corrections and one passed with no corrections. Two students passed their Transfer of Status and six Confirmation of Status. We supervise a **further 9 DPhil students** outside IRIHS.
7. **STRATEGY:** Ensure delivery of our many **current research grants**. Work towards **major programme grant application(s) with a social science slant**. Continue to build and nurture our **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.

### Staff in post on 31 December 2021 (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	Associate Professor and Co-Director of IRIHS	Health policy, sociology	90%

Geoff	Wong	Associate Professor	GP and Realist Research	50%
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%
Chrysanthi	Papoutsi	Senior Researcher	Social sciences	100%
Joe	Wherton	Senior Researcher	Psychology / HCI	100%
Julie	Darbyshire	Senior Scientific Officer/ BRC Theme Co-Lead	Stakeholder experiences	100%
Stuart	Faulkner	Senior Research Manager	Medical innovation and health systems policy	100%
Teresa	Finlay	Health Services Researcher	Nursing / Social sciences	100%
Lucy	Moore	Health Services Researcher	Nursing/ Primary Care research	80%
Sara	Paparini	Health Services Researcher	Social sciences (Anthropology)	100%
Claire	Reidy	Health Services Researcher	Psychology	100%
Lucas	Seuren	Health Services Researcher	Linguistics	100%
Claire	Duddy	Research Fellow	Realist reviewer/ information specialist	80%
Emma	Ladds	NIHR In-Practice Fellow	GP	20%
Christine	A'Court	GP Researcher	GP with extended role in cardiology	5%
Asli	Kalin	GP Researcher	GP	20%
Neda	Taghinejadi	Academic Clinical Fellow	Sexual and Women's Health	100%
Caitriona	Callon	Academic Clinical Fellow	GP	20%
Laiba	Husain	Research Assistant	Social Sciences	20%
Francesca	Dakin	Research Assistant	Social Sciences	20%

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

ACADEMIC-RELATED AND SUPPORT STAFF				
Name		Role	Main focus	FTE
Sally	Carr	MSc Administrator	MSc in THS administration	50%
Jill	Fardon	BRC Theme Liaison /Administrator	BRC administration	80%
Charlotte	Thompson-Grant	IRIHS Administrator / PA	IRIHS administration / PA to IRIHS Directors	80%

ASSOCIATES				
Name		Role	Academic field	
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	
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
Paul Dijkstra	Sports Medicine	<b>Greenhalgh</b> Glyn-Jones	Self	Primary cam morphology in adolescent athletes	2015 (PT)	CoS passed in July 2021
Richard Gleave	Policymaker	<b>Shaw, Fahy, Greenhalgh</b>	Public Health England	How national public health bodies use evidence	2017 (PT)	ToS passed in Feb 2019
Katrin Micklitz	Mindfulness Practitioner	<b>Wong, Howick</b>	Self	Workplace-based mindfulness programmes	2017 (PT)	ToS passed in Jan 2020; CoS coming up
Helene-Mari van der Westhuizen	Clinical medicine	<b>Greenhalgh</b> Butler Tonkin-Crine Ehrlich	Rhodes Scholar	Reducing the spread of tuberculosis in rural areas in South Africa	2018 (FT)	CoS passed May 2021
Jacobus (Koot) Koetze	Doctor	<b>Greenhalgh</b> <b>Fahy</b>	Rhodes Scholar	Hybrid clinician-managers in South Africa	2018 (FT)	CoS passed Oct 2021
Alex Jager	Social policy	<b>Wong, Papoutsi</b>	NIHR SPCR	The usage of data within primary care commissioning: a realist synthesis and evaluation	2018 (FT)	ToS passed in Jan 2020; CoS coming up
Jackie Walumbe	Physiotherapy	<b>Shaw, Silman, Swinglehurst, Hughes</b>	NIHR DRF	Self-management in chronic pain	2018 (PT)	CoS passed July 2021
Julian Treadwell	GP	<b>Greenhalgh</b> Mahtani Crocker <b>Wieringa</b>	NIHR DRF	Online tools for assessing benefits & harms of treatments	2018 (PT)	ToS passed Jan 2020
Ellie Barry	GP	<b>Greenhalgh</b> <b>Shaw</b>	NIHR DRF	Lived experience of pre-diabetes	2018 (PT)	ToS passed March 2020
Mona Koshkouei	Pharmacy	<b>Greenhalgh</b> <b>Papoutsi</b>	Self	Falsified Medicines Directive	2018 (PT)	CoS passed Sept 2021
Maryam Ahmadyar	Dental public health	<b>Wong</b>	Clarendon scholar	Improving access of young homeless people to dental services	2018 (FT)	CoS passed Sept 2021
Georgette Eaton	Paramedic	Mahtani, <b>Wong, Tierney</b>	NIHR DRF	Use of paramedics in primary care	2019 (PT)	ToS passed March 2021
Jeremy Leslie-Spinks	Professional Dance	<b>Greenhalgh, Potter, Arnaldi</b>	Snow Scholar: patient led research	Narratives of elite ballet dancers with degenerative spinal disease.	2020	ToS due Jan 2022
Katherine Kalaris	International Development	<b>Wong, English</b>	Self	A realist evaluation of implementing better care practices and bundled technologies in Kenyan Hospitals	2020 (PT)	ToS due 2022
Francis Ayomoh	Public Health Physician	<b>Shaw, Hughes, Silman</b>	Commonwealth Scholarship Commission	Improving task-shifting and task-sharing for essential healthcare services in Nigeria	2021 (FT)	ToS due 2022
Josephine Wallinger	Speech and Language therapist	Greenhalgh, Snowling, <b>Ferrey</b>	Self: patient led research	The employment experiences of people with neuro-developmental disorders.	2021 (PT)	ToS due 2022

Shuranjeet Tahkar	Political science	<b>Greenhalgh, Bhui, Mathur</b>	Sikh charity	PPIE in youth mental health from critical public health / critical race theory perspective	2021 (PT)	ToS due 2023
Francesca Dakin	Anthropology	<b>Greenhalgh, Rai, Papparini</b>	SPCR	Learning from the experiences of primary staff in deprived areas during the pandemic	2021 (FT)	ToS due 2023
Laiba Husain	Psychology / HSR	<b>Greenhalgh, Hughes, Wherton, Finlay</b>	THIS Institute QI fellowship	Reducing digital inequalities in remote services	2021 (FT)	ToS due 2023
Michelle Treacy	Nursing	<b>Wong, Odell (Reading)</b>	Self	What mechanisms influence appropriate use of the National Early Warning Score in non-critical care settings?	2021 (PT)	ToS due 2023
Amy Booth	Doctor	<b>Shaw, Wieringa</b>	Rhodes Scholar	Adoption of sustainable solutions in clinical practice	2021 (FT)	ToS due 2023
Jonny Edwards	Advanced clinical practitioner	<b>Papparini, Ferrey</b>	Self	Qualitative study of the impact of PrEP on LGBTQ+ communities	2021 (PT)	ToS due 2023
Angille Heintzman	Policymaker (Canada)	<b>Wong (seeking 2<sup>nd</sup> supervisor)</b>	Self	Cancer screening for refugees in Canada and Europe	2021 (PT)	ToS due 2023

#### BASED ELSEWHERE

<b>Name</b>	<b>Based in</b>	<b>Background</b>	<b>Supervisor</b>	<b>Topic</b>	<b>From (FT/PT)</b>	<b>Progress</b>
Tim Stephens	Queen Mary U of London	Intensive care nursing	Pearse, <b>Shaw</b>	Sustainability of quality improvement in acute settings	2015 (PT)	Passed minor corrections May 2021.
Oscar Lyons	U of Oxford (Nuffield Dept of Surg Sci)	Medical doctor	<b>Fahy, Canter, MucCulloch</b>	Leadership training for clinical staff	2017 (FT)	Passed minor corrections 2021
Sarah Kilcoyne	U of Oxford (Law)	SALT/Law	Herring, Teare, <b>Finlay</b>	Children's decision-making in craniosynostosis care	2017 (PT)	ToS passed 2019 (now on break)
Jaimie Lee Freeman	U of Oxford (Oxford Internet Inst)	Psychology & Education	Neff <b>Shaw Papoutsi</b>	Adolescents' use of digital self-tracking technologies	2019 (FT)	ToS passed May 2020
Vu Thi Quynh Giao	U of Oxford (Nuffield Dept of Medicine)	Public Health	Lewycka, Chambers, <b>Wong</b>	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	<b>Papoutsi, Fuller, Paton, Maina</b>	Continuity of post-discharge care for at-risk newborns in Kenya	HT 2021 (FT)	ToS by April 2022
Asma Rababeh	U of Oxford (Nuffield Dept of Medicine)	Nursing, health informatics	<b>Papoutsi, Paton, Fuller</b>	Information tools in post-discharge care for newborns in Kenya	HT 2021 (FT)	ToS by April 2022
Sonia Valentin	U of Oxford (Martin School)	Neuroscience, health informatics	Sen, <b>Wherton</b>	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, <b>Shaw</b>	System approach to improving UK Chronic Disease Prevention	MT 2021 (FT)	ToS due 2023

## Research activity

*New research grants secured in 2021 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).
2. **Evaluating video and hybrid group consultations in general practice: mixed-methods, participatory study** NIHR HS&DR 2021-2023. Co-PIs Shaw, Papoutsis. £583, 513.
3. **Can phenotypes developed from enhanced remote primary care assessment of COVID-19 be used to identify a cohort of community cases, and enable comparison of recovered and long COVID?** 2021. ONS-HDR UK NCS Data & Connectivity rapid funding call. PI Greenhalgh £197, 314.
4. **Reducing Health Inequalities through General Practice: A Realist Review (EQUALISE).** 2021-2022. NIHR HS&DR. PI Wong. £179, 403.

*New research grants secured in 2021 on which we are co-investigators:*

5. **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. £395,468 to Oxford.
6. **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.
7. **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
8. **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
9. **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.
10. **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
11. **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.
12. **Sustaining locally-driven social care for those affected by dementia: A realist evaluation of successful Meeting Centres.** Jan 2021 – Dec 2022. NIHR RFSC. University of Worcester with Wong as co-PI. £7, 889.
13. **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.
14. **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.
15. **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.

*Ongoing research studies on which we are principal investigators:*

16. **Remote by Default Care in the COVID-19 Pandemic: addressing the micro-, meso-, and macro-level challenges of a radical new service model.** UKRI Covid-19 Research Fund (via ESRC) 2020-21. PI – Greenhalgh. £753,325.
17. **Video consulting during and beyond the COVID-19 pandemic: implications for scale up and sustainability.** Health Foundation 2020-2022. Co-PIs Shaw, Greenhalgh. £80,595.
18. **Case study, Context and Complex interventions (TRIPLE C) – development of guidance and publication standards to support case study-based research into the influences of context on complex system-level interventions,** May 2019 – Feb 2022, Medical Research Council, £249,547. PI - Shaw.
19. **NHS Health Check programme: a realist review,** Oct 2020 - Dec 2021. NIHR HS&DR Programme, £247,701 PI – Wong.
20. **Supporting Consultations in Remote Physiotherapy (SCiP): a mixed-methods study of physical examinations by video in NHS physiotherapy services,** April 2021 – March 2022, NIHR Policy Research Programme, £98,728. Co-PIs – Seuren, Shaw.

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

21. **ESMI-II: The Effectiveness and cost effectiveness of community perinatal Mental health services.** £18,377 of £1,189,980. NIHR HS&DR Programme. June 2019 to May 2022. (PI - O'Mahen, University of Exeter; GW as Co-Applicant).
22. **Evaluating the national rollout of the NHS App in England.** £500,000. NIHR HS&DR programme. Oct 2020 to Sept 2022 (PIs Felix Greaves at Imperial College London and John Powell at University of Oxford; CP as Co-Investigator and lead for qualitative work package).
23. **Evidence base to inform health service configuration for abortion provision.** £5,366 of £1,033,956. NIHR HS&DR Programme, Sept 2020 to Aug 2022 (PI Wellings and French, LSHTM; GW as Co-Applicant).
24. **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). £181,604 to Oxford.
25. **Optimising cultural provision to improve older people's wellbeing through social prescribing in the context of COVID-19: Realist review and evaluation.** £19,609 of £270,289. UKRI funded study, July 2020 to June 2021 (PI Tierney and Mahtani, NDPCHS; GW as Co-Applicant).
26. **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).
27. **Using Health Information Systems to address patient concerns in GP consultations: a feasibility study.** £4,902 of £240,387. NIHR RfPB Programme. Sept 2019 to Aug 2021. (PI - Murphy, University of Bristol; GW as Co-Applicant)
28. **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).

## Awards, Fellowships and Promotions

### *Awards and prizes awarded in 2021*

**A'COURT:** Health Service Journal Value Award for Cardiovascular Care Initiative of the Year for Oxford University Hospitals' Integrated Cardiology Service.

**DUDDY:** Prize for best MSc dissertation, Evidence-Based Health Care. *Explaining variation in laboratory test ordering in primary care: a realist review.*

**GREENHALGH:** Honorary Doctorates from University of Oslo (Norway), University of Jonkoping (Sweden) and Erasmus University Rotterdam. Fellowship of National Academy of Medicine (USA). Nominated by University of Oxford for John Maddox Prize. Clarivate Highly Cited Researcher Award (in Medicine and Social Sciences).

### *New fellowships awarded in 2021:*

**SHAW:** Joint ARC/ BRC Senior Research Fellowship. 2021-2022. £15,000.

**HUGHES:** College Fellowship. Reuben College.

**HUSAIN:** Doctoral Fellowship in Healthcare Improvement Studies. *Scaling up the use of remote video consultations: supporting a socio-technical systems approach to implementation and evaluation.* 1 October 2021. THIS Institute. LH as PI?? £115, 449.

**DAKIN:** Doctoral Fellowship in Primary Care. *Covid-19: The Long Recovery.* Society for Academic Primary Care Fund. £115,000.

**WIERINGA:** Scientia Marie Sklodowska-Curie postdoctoral fellowship in Health Life Sciences, University of Oslo

### *Promotions in 2021*

**PAPOUTSI** was promoted to a more senior academic grade.

**PAPARINI** has accepted a Senior Lectureship at Queen Mary University of London.

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

### *Funding for research impact and knowledge exchange activity secured in 2021:*

1. **JC, TF, SS, GH, SP, AF: COVID-19 Rebuilding Research Momentum Funds.** University of Oxford. Valid for 6 months during 2021. Total awarded: £24, 384.
2. **PAPARINI: Wellcome Trust Policy Exchange Fellowship.** Ending HIV in London. £17, 912.
3. **SHAW, with TG, JW: NHS England and Improvement Commission. Co-design of resources to support decision-making for remote consulting.** October 2021 – January 2022. £36, 988

4. **Across IRIHS: Research Capability Funding (RCF).** To develop research support in the context of the pandemic. OUH NHS Foundation Trust. July 2021 –February 2022. JD is PI. £37, 434.
5. **DARBYSHIRE. RCF funding** to support time to apply for new grants to take forward DPhil work on intensive care unit quality improvement. £17,828.
6. **GREENHALGH / HUSAIN. Oxford Applied Research Collaboration knowledge translation pump-priming grant.** Extending use of oximeters to underserved groups. 2021. £10,000.
7. **Community FEMTECH partnership.** ACF in Sexual Health NT is part of an intersectoral priority-setting partnership for developing new technologies in women’s health. £14,777.

*Impact activities in 2021*

1. **COVID-19: Policy advice and public communication (TG).** Extensive TV, radio and social media appearances, public lectures, webinars. TG is a co-author on a WHO policy brief on Long COVID.
2. **Policy advice to NHS England / NHS Improvement (SS, GH, TG, JW, CP).** For example, GH spoke to the Demand Working Group in the Provider Efficiency, Accountability and Sponsorship (NHSE/I) team at the Department of Health and Social Care in July 21 about demand management and integrated care.
3. **Policy advice to Scottish Government (JW, CP, TG).** Knowledge, information and data (KIND) training for Public Health Scotland using NASSS framework. Evaluation of ‘Near Me’ video consultation service for Scottish Government.
4. **‘Messy futures’** exhibition of technologies in the home at Pitt Rivers Museum, led by GH and based on our work with assisted living technologies and “tinkering” to customise solutions, launched in May 2021: <https://www.prm.ox.ac.uk/event/messy-futures>.
5. **Interdisciplinary conferences and workshops** involving academics, policymakers, patients/citizens and industry – for example:
  - a. A series of Remote by Default workshops with Nuffield Trust, on appropriateness of remote forms of primary and secondary care (TG, SS and the RBD team).
  - b. International workshop on video consultations, bringing together experts from healthcare, industry, and research, with presentations from academics, clinicians, industry and policy. Attendees came from Europe, US, and Asia, mainly academics, but few healthcare workers as well.
6. **Impact on TB prevention in South Africa.** DPhil student HvdW contributed to the Desk Guide for Occupational Health Approaches in LMICs for Respiratory Diseases developed by International Union Against Tuberculosis and Lung Disease. Available: <https://theunion.org/news/new-union-technical-publication-1st-edition-basic-occupational-safety-and-health-for-respiratory-diseases-a-desk-guide-for-health-facilities>. She has undertaken extensive media work including live television and radio. She presented at *The Biomedical Scientist Live* CPD event on the topic: Multi-layered prevention: the future of infection control.

## Main teaching achievements

1. **DPhil in Translational Health Sciences (THS).** This new doctoral course, for which our MSc is a feeder course, took its first two (part time) students in October 2021. We had over 20 applications for the October 2022 intake.
2. **MSc in THS.** Our MSc in Translational Health Sciences in collaboration with Continuing Education (Course Director: AF) is now running for its second year. There are 38 students enrolled, six of whom are full-time. Modules running on the programme are:
  - Introduction to Research Methods for Translational Health Sciences (SS & TG)
  - Behavioural Science and Complex Interventions (AF & WW)
  - Economics and Regulation in Translational Science (SF & YY)
  - Ethics and Justice in Translational Science (MS & JH)
  - Health Organisations and Policy (GH)
  - Patients, Citizens & the Politics of Evidence (TF, JC)
  - Healthcare Evaluation and Research Impact (TG, CP, PO)
  - Technological Innovation and Digital Health (CP)
  - Translational Science and Global Health (SP & AK)
3. **Other MSc teaching.** GW leads the MSc module in Realist Evaluation and Review with CD. We have also taught on the following Masters courses run by other groups:
  - MSc in Evidence-Based Health Care (GW, CD, SS, SP, TF, GH, JC)
  - MSc in Evidence-Based Systematic Reviews (GW, CD)
  - MSc in Evidence-Based Social Intervention & Policy Evaluation (NF, SS)
  - MSc in International Health & Tropical Medicine, Nuffield Department of Medicine (TG)
  - MSc in Surgical Sciences, Nuffield Department of Surgery (TG)
  - Qualitative research summer school, University of Antwerp (GH)
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 welcomes several undergraduate medics who wish to cover social science topics (e.g. resistance to mask mandates) in their special study modules. We give lectures and coaching for undergraduate exams.
5. **College-based support and teaching.** TG, NF, SS, CP and JC are College Advisors at Green Templeton and GW is a College Advisor at Kellogg. NF is on the steering committee of the Management in Medicine programme at Green Templeton.

**Internships.** Over 2021, we welcomed three postgraduate and undergraduate interns:

- Melissa Akiki: *The intersection between remote consultations and sustainable healthcare, with a case study on Scotland.*
- Megan Hennessy: *An analysis of media representations of loneliness and technology pre and post/during COVID*
- Wilfred Jenkins: *The role of digital innovations in patient-initiated cardiovascular self-monitoring.*

## Peer-reviewed publications

Last year, we set ourselves the goal that every early-career researcher would produce “one REF-able first-author paper”. We highlight examples of these in the list below.

1. Shanmuganathan M, Goswami R, Dar O, **A'Court C**. Management of heart failure with reduced ejection fraction in 2021: an update for GPs. *Br J Gen Pract* 2021; 71 (708):330-332
2. **Ahmadyar M**, Rai T, Daly B, **Wong G**. Improving access of young adults with experience of homelessness to primary care dental services in the UK: A realist synthesis. *Community Dent Oral Epidemiol*. 2021 Oct 14. doi: 10.1111/cdoe.12695.
3. Albury C, Pope C, **Shaw S**, et al. Gender in the Consolidated Criteria for Reporting Qualitative Research (COREQ) checklist. *International Journal for Quality in Health Care* 2021 doi: 10.1093/intqhc/mzab123
4. **Ayomoh F**. The rising global tide of non-communicable diseases: a call for decisive action. *Journal of Health Policy and Economics* 2021;1(1)
5. Banke-Thomas A, Wong KLM, **Ayomoh FI**, et al. "In cities, it's not far, but it takes long": comparing estimated and replicated travel times to reach life-saving obstetric care in Lagos, Nigeria. *BMJ global health* 2021;6(1) doi: 10.1136/bmjgh-2020-004318
6. Bar-Yam Y, Gurdasani D, Baker MG, et al (incl **Greenhalgh T**). The World Health Network: a global citizens' initiative. *Lancet* 2021;398(10311):1567-68. doi: 10.1016/s0140-6736(21)02246-7
7. Bedford JP, Garside T, **Darbyshire JL**, et al. Risk factors for new-onset atrial fibrillation during critical illness: A Delphi study. *Journal of the Intensive Care Society* 2021 doi: 10.1177/17511437211022132
8. Bender JL, Babinski S, **Wong G**, et al. Establishing best practices in cancer online support groups: protocol for a realist review. *BMJ Open* 2021;11(11) doi: 10.1136/bmjopen-2021-053916
9. Berger Z, Altiery De Jesus V, Assoumou SA, **Greenhalgh T**. Long COVID and Health Inequities: The Role of Primary Care. *The Milbank quarterly* 2021;99(2):519-41. doi: 10.1111/1468-0009.12505
10. Burgess RA, Osborne RH, Yongabi KA, et al (incl **Greenhalgh T**). The COVID-19 vaccines rush: participatory community engagement matters more than ever. *Lancet* 2021;397(10268):8-10. doi: 10.1016/s0140-6736(20)32642-8
11. Burton C, Coles B, Adisesh A, et al (incl **Greenhalgh T**). Performance and impact of disposable and reusable respirators for healthcare workers during pandemic respiratory disease: a rapid evidence review. *Occupational and Environmental Medicine* 2021 doi: 10.1136/oemed-2020-107058
12. Calderón Larrañaga S, Clinch M, **Greenhalgh T**, Finer S. Could social prescribing contribute to type 2 diabetes prevention in people at high risk? Protocol for a realist, multilevel, mixed methods review and evaluation. *BMJ open* 2021;11(4):e042303. doi: 10.1136/bmjopen-2020-042303
13. Calderón-Larrañaga S, Milner Y, Clinch M, **Greenhalgh T**, Finer S. Tensions and opportunities in social prescribing. Developing a framework to facilitate its implementation and evaluation in primary care: a realist review. *BJGP open* 2021;5(3) doi: 10.3399/bjgpo.2021.0017
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## Major keynote lectures, workshops and conference presentations

Senior members of IRIHS gave about 20 national and international keynote lectures including presentations to clinical and policy groups around the world (e.g. India, Tanzania, China, Indonesia, USA, Canada, Australia) on acute Covid-19, long Covid, remote consultations, quality improvement and research methods.

Examples of keynotes:

- Greenhalgh T. International Society for Quality Improvement in Healthcare Annual Conference. April 2021. *Planning and Evaluating Remote Consultation Services*
- Greenhalgh T. Jonkoping University, Sweden. September 2021. *Give me back my fact: How can social science help us survive the post-truth pandemic?*
- Greenhalgh T. 3<sup>rd</sup> Sowerby Interdisciplinary Workshop on Medicine and Philosophy. November 2021. *Policy and intervention in crises, disasters and emergencies: Covid-19 and beyond*
- Shaw S. WEON 2021: Science in an Online Society. June 2021 *Digitally-enabled healthcare – fact or fiction?*
- Shaw S. Better Methods, Better Research Webinar. September 2021. *Case study, Context and*

*Complex interventions (TRIPLE C) - development of guidance and publication standards to support case study-based research.*

- Shaw S. GTC Alumni Lecture, November 2021. *The rise – and fall? – of video consulting*
- Wong G. 2021 International conference for Realist research, evaluation and synthesis (online). Feb 2021. *The current state of realist evaluation and realist synthesis*

## **EXAMPLES OF CONFERENCE PRESENTATIONS**

- A'Court. *Cardiological features of 'Long Covid'*. Scottish Cardiac Society Virtual Spring Meeting, April 2021.
- Eaton G (with Happs I, Tanner R). *Designing and implementing an educational framework for advanced paramedic practitioners rotating into primary care in North Wales*. Health Education England, The Centre for Advancing Practice Conference
- Hughes, Seueren, Shaw. *Shared decision making for high risk major surgery: genres of consultation*. UCL Qualitative Health Research Network, virtual conference, March 2021
- Hughes. *Video consulting: spread and scale up during and beyond the Covid-19 pandemic*. Health Services Research UK, June 2021
- Moore, Hughes. *Overbaked: researching and experiencing video consultations during the Covid-19 pandemic*. MedSoc, British Sociological Association, September 2021.
- Papoutsi C. *Spreading new models of remote care in the Covid-19 crisis: the case of video group consultations*. Health Services Research UK conference, July 2021
- Pope C, Finlay T, Seuren L, Rushforth A. *Three pandemics: An interrogation of epistemic authority*. BSA Medical Sociology Conference, September 2021.
- Treadwell J. Preventing overdiagnosis webinar series Oct-Nov 2021 *An Introduction to Overdiagnosis and Mis-use of EBM as a Driver to Overdiagnosis*

## **External appointments**

### **A'Court:**

- Steering Committee for ATEMPT Study. (Antihypertensive Treatment in Elderly Multimorbid Patients Trial)
- Steering Committee for AMALFI trial ( Active Monitoring For Atrial Fibrillation)

### **Eaton:**

- College of Paramedics: Trustee for Research

### **Faulkner:**

- Deputy Director of Policy; Corporate strategy, accountability and Partnerships, MHRA (November 2020-March 2021). Short term post.

### **Finlay:**

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

### **Greenhalgh:**

- Visitor, Pitt Rivers Museum, University of Oxford (representing Medical Sciences Division)
- National REF panel Public Health, Primary Care and Health Services Research
- 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

**Paparini:**

- Honorary Research Fellow, London School of Hygiene & Tropical Medicine

**Papoutsis**

- Digital Primary Care Evaluation and Research Network (DPCERN), NHS England and Improvement
- Advisory group, Electronic Medicines Management (eMM) study, University Hospital of North Norway
- Expert advisor, Digital Inequalities Pioneers project, NHSX and NHSE/I with Thrive by Design

**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:**

- 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

**Seuren:**

- Subject Matter Advisor – Healthcare Safety Investigation Branch

**Teghinajadi:**

- 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:**

- Deputy Chair, HTA Prioritisation Committee: Integrated Community Health and Social Care Panel (A) and member of Methods Group (A)

## Strategy for 2022

### 1. RESEARCH:

- a. Ensure delivery of the many health services research studies for which we currently have funding. It has been an exhausting couple of years and we've been fortunate to bring in some quite big grants.
- b. Support new Co-PIs to become confident independent PIs and mid-career researchers to become Co-PIs.
- c. Work towards submitting a programme grant (or two) in social sciences, which is where our academic priorities are.
- d. Continue to diversify income streams (e.g. keep collaborating with the Norwegians; explore European funding when opportunities and constraints are clear)

### 2. PUBLICATION AND DISSEMINATION:

- a. Each senior researcher and postdoc to lead on one REF-able paper.
- b. Provide support for DPhils and early-career researchers to develop writing skills.

### 3. TEACHING AND STUDENT SUPPORT:

- a. Consolidate and continue to grow the MSc in Translational Health Sciences as well as the new DPhil programme.
- b. Provide IRIHS-based DPhil support to complement (but not duplicate) departmental and university-wide support. One aspect of this will be an offer of personal coaching (by JD).
- c. Encourage external (non-university) collaborations and placements with industry, policy and third sector as appropriate for career development.

### 4. STAFF DEVELOPMENT:

- a. Support early and mid-career researchers in developing fellowship applications, seeking promotion and developing their career pathways (including via external placements).
- b. Ensure all staff who teach on MSc and supervise DPhils are confident and supported to deliver a world-leading postgraduate experience for their students.
- c. Extend the internal IRIHS seminar programme to give our social science staff and students additional experience and support.
- d. Actively support professional development for IRIHS administrative and support staff.

Trisha Greenhalgh and Sara Shaw

December 2021