

INTERDISCIPLINARY RESEARCH IN HEALTH SCIENCES (IRIHS) ANNUAL REPORT 2015

IRIHS is a recently established research unit within the Nuffield Department of Primary Care Health Sciences at the University of Oxford. It is led by Professor Trish Greenhalgh, with senior academic support from Dr Sara Shaw. IRIHS aims to undertake excellent research and teaching across disciplinary boundaries, bringing together approaches and methodologies from clinical medicine, epidemiology (including evidence-based medicine), sociology, psychology, computer science, management studies, philosophy and social policy.

Main achievements in 2015

1. MOVE FROM QUEEN MARY. TG commenced at Oxford in January 2015. We now have 7 academic staff at Oxford, with more in the process of moving.
2. RESEARCH: Research income for new studies was £2.1M, including a 5-year Wellcome Trust Senior Investigator Award to TG. We are named co-investigators on £10M in additional programme grants.
3. PUBLICATION AND DISSEMINATION: We published 38 peer-reviewed academic papers and 5 book chapters. We gave various keynote lectures and conference presentations and led a public debate at the Battle of Ideas.
4. TEACHING: We began to contribute to various MSc courses at Oxford. We have 8 doctoral students, 2 of whom remain at Queen Mary and 6 are based at Oxford; 4 of these passed Transfer of Status in 2015.
5. STAFF DEVELOPMENT. EB gained NIHR In-Practice Fellowship. TG gained MBA.

Staff in post in December 2015 (see also doctoral students below)

Name		Job title	Specialty	FTE
STAFF IN POST AT OXFORD				
Christine	A'Court	Clinical Research Fellow	General practice	20%
Eleanor	Barry	NIHR In-Practice Fellow	GP / public health	100%
Alexander	Finlayson	Academic Clinical Fellow	General practice	40%
Trisha	Greenhalgh	Professor / Director of Unit	GP / sociology	100%
Linnemore	Jantjes	Personal Assistant to TG	Admin / secretarial	100%
Chrysanthi	Papoutsi	Health Services Researcher	Social sciences	100%
Sara	Shaw	Senior Research Fellow	Health policy / sociology	80%
Geoff	Wong	Clinical Research Fellow	GP	50%
ADDITIONAL STAFF LINKED TO IRIHS BUT CURRENTLY STILL AT QUEEN MARY				
Jenny	Napier	NIHR In-Practice Fellow	General practice	50%
Joe	Wherton	Senior Research Fellow	Psychology / computing	100%
Sietse	Wieringa	NIHR In-Practice Fellow	General practice	50%
ASSOCIATE RESEARCHERS WHO CONTRIBUTE ON A CONSULTANCY BASIS				
Sue	Hinder	Research consultant	Sociology / evaluation	
Gill	Westhorp	Research consultant	Realist evaluation	

Doctoral students

1. **J Russell** (Oxford, PT). 2011-. [Greenhalgh, Shaw]. Self funded. *The rationality of rationing: a rhetorical policy analysis of deliberations about resource allocation in the NHS*. ToS passed at Oxford April 15. 8 papers published from doctoral work. Writing up.
2. **H McMullen** (QMUL, FT). 2011-. [Greenhalgh, Griffiths]. NIHR Doctoral Fellowship. *Health care innovations from policy to practice: A case study of rapid HIV testing in general practice*. 3 papers published since start of PhD. In final stages of writing up; viva provisionally booked May 2016.
3. **D Hurst** (Oxford, PT) 2012- [Greenhalgh, Mickan]. *General Dental Practitioners' knowledge encounters*. ToS passed June 2015.
4. **N Fahy** (Oxford, PT). 2012- [Greenhalgh, Shaw]. *Why doctors don't follow guidelines*. Self funded. 9-month upgrade passed at QMUL Oct 2013, ToS passed at Oxford Nov 15.
5. **G Hughes** (Oxford, PT) 2012-. [Greenhalgh, Shaw]. *Integrated care in practice: a case study of health and social care for adults with complex needs considered at high risk*. Part funded by Wellcome SCALS grant. 9-month upgrade passed at QMUL April 2014 ToS passed at Oxford Nov 15.
6. **A Rohrbasser** (Oxford, PT). 2013- [Wong, Harris, Mickan]. Self funded *Exploring why Quality Circles work in Primary Health Care: A realist approach about how, why and under what circumstances they work*.
7. **S Roberts** (Oxford, PT) 2015- [Greenhalgh, Airoidi] Part-funded by research grant at LSE. *Application of evidence on affordability and the use of co-design principles to enhance delivery of prevention programmes for type 2 diabetes in an area of high prevalence*.
8. **T Stephens** (QMUL, PT) 2015- [Pearse, Shaw]. *What influences sustainability of quality improvement in acute healthcare settings?*

Research activity in 2015

Research studies on which we are Principal Investigators:

1. **Studies in Co-creating Assisted Living Solutions (SCALS)**. £1.053M Senior Investigator Award plus £27K Public Engagement Award. Wellcome Trust 104830MA. July 2015 – June 2020. (TG, with JW, SS).
2. **Interventions to improve antimicrobial prescribing in doctors in training: a realist review**. £188K. NIHR HS&DR. (GW, with CP). July 2015 – Dec 2016.
3. **Virtual Online Consultations: Advantages and Limitations (VOCAL)**. £497K. NIHR HS&DR 13/59/26. March 2015 – Feb 2017. (TG, with SS, JW and NHS partners from Barts Health).
4. **Co-producing socio-technical solutions for people living with complex multi-morbidity: developing methodology and assessing pros and cons of a RCT**. £90K. NIHR Programme Development Grant. July 2015 – Dec 2017. (TG, with JW and East London Foundation Trust).
5. **Realising the potential of realist research for improving the delivery of health services (RAMESES II)**. NIHR HS&DR 14/19/19, £242K. Feb 2015 – Jan 2017. (TG, GW with partners from Leeds & Liverpool).

Research studies on which we are named co-investigators:

6. **Living With Feeling: Emotional Health in History, Philosophy and Experience**. £1.6M Wellcome Trust Collaborative Award. Nov 2015 – Oct 2020. (TG, Co-I to T Dixon at QMUL).
7. **Understanding how frontline staff use patient experience data for service improvement - an exploratory case study evaluation and national survey**. £787K. NIHR HS&DR. Oct 2015 – Sept 2017. (TG, Co-I to L Locock).

8. **The Interdisciplinary Laboratory: Facilitating new forms of knowledge in contemporary life sciences.** Wellcome Trust / QMUL Life Sciences Initiative Small Grants Fund, £10K. Jun 2015 – May 2016. (SS, Co-I to D Swinglehurst).
9. **Genomic and lifestyle predictors of foetal outcome relevant to diabetes and obesity and their relevance to prevention strategies in South Asian peoples (GIFTs).** €2.99M European Framework 7 FP7-HEALTH-2011; 278917-2. Oct 2011 – Sept 2016. (TG, Co-I to G Hitman at QMUL).
10. **Olympic Regeneration in East London (ORiEL).** £2M. April 2011 – March 2016. NIHR Public Health Programme 09/3005/09 (TG, Co-I to S Cummins at LSHTM).
11. **Optimising pharmacist-based treatment for smoking cessation (STOP).** £1.35M. NIHR Programme Grant. July 2011 – June 2015. NIHR RP-PG-0609-10181. (TG, Co-I to R Walton at QMUL)
12. **Chronic viral hepatitis in ethnic minorities: Strategies to prevent the predicted increase in mortality (HepFREE).** £2M. March 2011 – Sept 2016. NIHR RP-PG-1209-10038. (TG, Co-I to G Foster at QMUL).
13. **Sustained exercise TrAining for Men wIth prostate caNcer on Androgen deprivation: the STAMINA programme.** £101K. May 2015 – April 2016. NIHR RP-DG-1213-10010. (GW, Co-I to D Rosario).
14. CAC is practice lead for 8 GP research trials including ARCHIE, HepFREE, CANDID, GARFIELD.

Main teaching achievements

1. **Oxford MSc courses.** We have taught on the MSc in Evidence-Based Health Care (TG, GW), MSc in International Health (Nuffield Department of Medicine, TG), MSc in Medical Statistics (CAC), MSc in Policy Evaluation (Blavatnik, SS). TG has taken on co-leadership of Knowledge to Action Module in MSc in EBHC for 2016. We plan to develop further MSc modules (see Strategy).
2. **Undergraduate teaching.** TG and AF have taught on the undergraduate medicine course at Oxford and have a number of mentees at Green Templeton College.
3. **Additional teaching.** We have contributed to various short courses and training days e.g. CP has taught NVivo to Oxford University IT Services.

External achievements (selected)

A'Court:

- Oxfordshire CCG Primary Care Cardiovascular Lead

Greenhalgh:

- Gold Clinical Excellence Award (renewed) in recognition of services to NHS
- Thomas Reuters Highly Cited Researcher Award (top 1% of academics in her field)
- Wellcome Senior Investigator
- NIHR Senior Investigator
- Royal College of General Practitioners National Council
- NIHR Postdoctoral Awards Panel
- WHO Alliance for Health Policy and Systems Research, Scientific and Technical Advisory Committee
- European Public Health Association, International Advisory Group on Public Health Research Impact
- Oxfordshire Health Inequalities Commission

Shaw:

- Delivering Primary Health Care to Homeless People, Advisory Committee.

Wong:

- NIHR, Health Technology Assessment Programme – Primary Care, Community and Preventive Interventions Panel

Academic publications in 2015

PEER REVIEWED JOURNAL ARTICLES

Papers potentially returnable in a Primary Care or Social Policy submission to 2021 REF are highlighted.

1. Kristjansson E, Gelli A, Welch V, **Greenhalgh T**, Liberato S, Francis D, Espejo F: Costs, and cost-outcome of school feeding programmes and feeding programmes for young children. Evidence and recommendations. *International Journal of Educational Development* 2015 (epub ahead of print, doi:10.1016/j.ijedudev.2015.11.011).
2. Pearce G, Pinnock H, Epiphaniou E, Parke HL, Heavey E, Griffiths CJ, **Greenhalgh T**, Sheikh A, Taylor SJ. Experiences of self-management support following a stroke: a meta-review of qualitative systematic reviews. *PLoS One* 2015, 10(12):e0141803.
3. **Greenhalgh T, Fahy N**: Research impact in the community-based health sciences: an analysis of 162 case studies from the 2014 UK Research Excellence Framework. *BMC Med* 2015, 13: 232.
4. Goodyear-Smith, F, Jackson C, **Greenhalgh T**. Co-design and implementation research: challenges and solutions for ethics committees. *BMC Med Ethics* 2015; 16 (1), 1-5.
5. **Barry E, Roberts S**, Finer S, Vijayaraghavan S, **Greenhalgh T**. Time to question the NHS diabetes prevention programme. *BMJ* 2015; 351: h4717.
6. Jackson C, **Greenhalgh T**. Co-creation: A new approach to optimising research impact? *Med J Australia* 2015; 203: 283-4.
7. **Greenhalgh T**, Snow R, Ryan S, Rees S, Salisbury H. Six biases against patients and carers in evidence-based medicine. *BMC Medicine* 2015; 13: 200.
8. Kelly M, Heath I, Howick J, **Greenhalgh T**. The importance of values in evidence-based medicine. *BMC Medical Ethics* 2015; 16: 69.
9. Jagosh J, Bush PL, Salsberg J, Macaulay A, **Greenhalgh T, Wong G**, Cargo M, Green LW, Herbert C, Pluye P. A realist evaluation of community-based participatory research: Partnership synergy, trust building and related ripple effects. *BMC Public Health* 2015, 15: 725.
10. **Greenhalgh T**, Clinch M, Afsar N, Choudhhury Y, Sudra R, Campbell-Richards D, Claydon A, Hitman G, Hanson P, Finer S. Socio-cultural influences on the behaviour of South Asian women with diabetes in pregnancy: qualitative study using a multi-level theoretical approach. *BMC Medicine* 2015; 13: 120.
11. Thompson C, Lewis DJ, **Greenhalgh T**, et al. "Everyone was looking at you smiling": East London residents' experiences of the 2012 Olympics and its legacy on the social determinants of health. *Health & Place* 2015; 36: 18-24.
12. **Greenhalgh T, Wong G**, Jagosh J, et al. Protocol-the RAMESES II study: developing guidance and reporting standards for realist evaluation. *BMJ Open* 2015;5: e008567.
13. Jagosh J, Pluye P, **Wong G**, et al. Critical reflections on realist review: insights from customizing the methodology to the needs of participatory research assessment. *Res Synth Methods* 2014; 5: 131-41.
14. Parke HL, Epiphaniou E, Pearce G, Taylor SJC, Sheikh A, Griffiths C, **Greenhalgh T**, Pinnock H. Self-management support interventions for stroke survivors: A systematic meta-review. *PloS One* 2015; 10: e0131448.
15. Pinnock H, Epiphaniou E, Pearce G, Parke H, **Greenhalgh T**, Sheikh A, Griffiths C, Taylor SJC. Implementing supported self-management for asthma: a systematic review and suggested hierarchy of evidence of implementation studies. *BMC Medicine* 2015; 13: 127.
16. **Wherton J**, Sugarhood P, Procter R, **Hinder S, Greenhalgh T**. Co-production in practice: How people with assisted living needs can help design and evolve technologies and services. *Implementation Science* 2015; 10: 75.
17. **McMullen H**, Griffiths C, Lieber W, **Greenhalgh T**. Explaining high and low performers in complex intervention trials: a new model based on diffusion of innovations theory. *Trials* 2015; 16: 242.
18. **Greenhalgh T**, Procter R, **Wherton J**, Sugarhood P, **Hinder S**, Rouncefield M. What is quality in assisted living technology? The ARCHIE framework for effective telehealth and telecare services. *BMC Medicine* 2015; 13, 91.

19. Swinglehurst D, **Greenhalgh T**. Caring for the patient, caring for the record: ethnographic study of 'back office' work in upholding quality of care in general practice. *BMC Health Services Research* 2015; 1: 177.
20. **Wieringa S, Greenhalgh T**. Mindlines – a systematic review. *Implementation Science* 2015; 10: 45.
21. Sweeney L, Owiti J, Bhui K, Gomes J, Foster G, **Greenhalgh T**. Informing the design of a national screening and treatment programme for chronic viral hepatitis in primary care: Qualitative study of at-risk immigrant communities and healthcare professionals. *BMC Health Services Research* 2015; 15 (1): 97.
22. **Greenhalgh T**. Health literacy: towards system level solutions. *BMJ* 2015, 350.
23. Kristjansson E, Francis DK, Liberato S, Jandu MB, Welch V, Batal M, **Greenhalgh T** et al. Food supplementation for improving the physical and psychosocial health of socio-economically disadvantaged children aged three months to five years. *Cochrane Database Syst Rev* 2015;3:Cd009924.
24. Owiti JA, **Greenhalgh T**, Sweeney L, et al. Illness perceptions and explanatory models of viral hepatitis B & C among immigrants and refugees: a narrative systematic review. *BMC Public Health* 2015; 15 (1): 151.
25. **Greenhalgh T**. Higher education governance as language games: a Wittgensteinian case study of the breakdown of governance at the London School of Economics 2004–2011. *Higher Education Quarterly* 2015, 69 (2): 193-213.
26. Lieber W, **McMullen H**, Anderson J, Mullin C et al. Promotion of rapid testing for HIV in primary care (RHIVA2): a cluster-randomised controlled trial. *Lancet HIV* 2015; 2 (6): e229-e235.
27. **Shaw SE**, Russell J, Parsons W and Greenhalgh T. The View From Nowhere? How Think Tanks Work To Shape Health Policy, *Critical Policy Studies*, 2015, 9:1, 58-77.
28. Godman B, Malmstrom RE, Diogene E, Gray A, Jayathissa S, Timoney A, Acurcio F, Alkan A, Brzezinska A, Bucsecs A, **Finlayson A** et al: Are new models needed to optimize the utilization of new medicines to sustain healthcare systems? *Expert review of clinical pharmacology* 2015, 8(1):77-94.
29. Zeng W, **Finlayson AE**, Shankar S, de Bruyn W, Godman B: Prescribing efficiency of proton pump inhibitors in China: influence and future directions. *BMC health services research* 2015, 15:11.
30. Zeng W, Gustafsson LL, Bennie M, **Finlayson AE**, Godman B: Review of ongoing initiatives to improve prescribing efficiency in China; angiotensin receptor blockers as a case history. *Expert review of pharmacoeconomics & outcomes research* 2015, 15(1):157-169.
31. **Wong G**. Invited Editorial: Getting Started with Realist Research. *International Journal of Qualitative Methods* 2015;1-2.
32. Ford J, Jones A, **Wong G**, Steel N. Weekend opening in primary care: analysis of the General Practice Patient Survey. *Br J Gen Pract* 2015;65:e792-e798
33. **Wong G**, Brennan N, Mattick K, Pearson M, Briscoe S, **Papoutsi C**. Interventions to improve antimicrobial prescribing of doctors in training: the IMPACT (IMProving Antimicrobial presCribing of doctors in Training) realist review. *BMJ Open* 2015;5:e009059
34. Ford J, Jones A, **Wong G**, Clark A, Porter T, Shakespear T, Swart A, Steel N. Improving access to high-quality primary care for socioeconomically disadvantaged older people in rural areas: a mixed method study protocol. *BMJ Open* 2015;5:e009104.
35. Kastner M, Perrier L, Hamid J, Tricco A, Cardoso R, Ivers M, Liu B, Marr S, Holroyd-Leduc J, **Wong G**, Graves L, Straus S. Effectiveness of knowledge translation tools addressing multiple high-burden chronic diseases affecting older adults: protocol for a systematic review alongside a realist review. *BMJ Open* 2015;5:e007640.
36. **Papoutsi C**, Reed J, Marston C, Majeed A, Bell D. Patient and public views about the security and privacy of Electronic Health Records (EHRs) in the UK: results from a mixed methods study. *BMC Medical Informatics and Decision Making* 2015; 15: 86.
37. Riordan F, **Papoutsi C**, Reed J, Marston C, Bell D, Majeed A. Patient and public attitudes towards informed consent models and levels of awareness of Electronic Health Records in the UK. *International Journal of Medical Informatics* 2015; 84(4): 237–247.
38. Stansfeld SA, Kerry S, Chandola T, Russell J, Berney L, Hounscome N, Lanz D, Costelloe C, Smuk M, Bhui K. Pilot study of a cluster randomised trial of a guided e-learning health promotion intervention for managers based on management standards for the improvement of employee well-being and reduction of sickness absence: GEM Study. *BMJ Open* 2015: e007981. doi:10.1136/bmjopen-2015-007981

BOOK CHAPTERS

1. Snell J, **Shaw SE** & Copland F (eds) *Linguistic Ethnography: An Interdisciplinary Reader*. [Advances in Language & Linguistics series]. 2015, Basingstoke, Palgrave Macmillan.
2. Copland F and Creese A, with **Shaw SE** and Rock F (eds) *Linguistic Ethnography: collecting, analysing and presenting data*. 2015, London, Sage.
3. **Shaw SE** and Russell J. Narrating healthcare planning: the influence of linguistic ethnography. In Shaw SE, Snell J & Copland, *Linguistic Ethnography: An Interdisciplinary Reader*. 2015, Basingstoke, Palgrave.
4. **Shaw SE**. (2015) Ethnography, language and healthcare planning. In Copland F and Creese A, with Shaw SE and Rock F (eds). *Ethnography in the social sciences: collecting, analysing and presenting data*. London, Sage.
5. **Wherton J**, Sugarhood P, Procter R, **Greenhalgh T**. Designing technologies for social connection with older people. In Garitini C, Prendergast D: *Ageing and the Digital Life Course*. Berghahn Books, 2015.
6. **Wong G**. Literature reviews: who is the audience? In: Cleland J, Durning S, editors. *Researching Medical Education*. Oxford: Wiley; 2015.
7. **Greenhalgh T**. Twice-Told Tales? How Public Inquiry Could Inform n of 1 Case Study Research. In Russell J, Greenhalgh T, Kushner S (eds.): *Case Study Evaluation: Past, Present and Future Challenges (Advances in Program Evaluation, Volume 15)*. Emerald Group Publishing Ltd 2015, pp.181 – 206.

Selected lectures and conference presentations 2015

1. Fahy, N: *The state of the art of knowledge translation - evidence into policy [keynote]*. Milan, Enhancing evidence-informed decision-making in Europe preconference to the 8th European Public Health Conference, October 2015.
2. Greenhalgh T. *Research impact: defining it, measuring it, maximising it, questioning it*. University of Nottingham Annual Medical School Day, December 2015.
3. Wong G. *What is realist research?* Keynote lecture to International Qualitative Research Methods conference, Toronto, Canada, October 2015.
4. Greenhalgh T. *EBM – a movement in crisis?* 7th International Conference on Teaching Evidence Based Health Care, Taormina, Sicily, October 2015.
5. Greenhalgh T. *Why do doctors resist newly introduced technologies?* 2015 Medical Records Update. Pesaro, Italy, October 2015.
6. Greenhalgh T. *Future-proofing relationship based care*. City Health Conference, London, May 2015.
7. Greenhalgh T. *The evidence based medicine renaissance movement*. 7th International Conference in Cardiology, Florence, Italy, February 2015.
8. Shaw SE. *The Curious Incident of the Qualitative Researcher in Applied Health Research [keynote]*; London, Qualitative Health Research Symposium, 18 February 2015.
9. Hughes G. *Symbolic, collective and intimate spaces: an ethnographic approach to the places of integrated care* Ethnographies and Health: An early career workshop, London School of Hygiene and Tropical Medicine, October 2015
10. McMullen H. *Explaining variation in an HIV testing trial in general practice*. 8th Annual Conference on The Science of Dissemination and Implementation in Health, Washington DC, USA, December 2015.
11. Roberts S. *Diabetes prevention: cost effective, cost saving or affordable?* Hellish Decisions in Health Care Conference, Oxford, December 2015.

Public engagement

1. Sponsored debate at Battle of Ideas, Barbican, London, October 2015: *Can technology save the ageing time-bomb?* Part of SCALS Programme.
2. TG has active social medial presence (> 20,000 followers on Twitter)

Staff development

- Eleanor Barry gained an NIHR In-Practice Fellowship Award.
- Trish Greenhalgh gained an MBA in Higher Education Management (with Distinction) from UCL.

Strategy for 2016

1. RESEARCH: Consolidate and progress our current funded programmes of work. New grant income is not a priority except to maintain staff posts.
2. PUBLICATION AND DISSEMINATION: All research staff to publish one REF-returnable empirical paper or systematic review. Continue and extend public engagement work in SCALS-related research.
3. TEACHING: Deliver MSc module in Knowledge to Action. Develop MSc module in Realist Evaluation and Review. Explore options for developing further Masters level training in leadership, management, organisational case study and health policy. Explore options for extending opportunities for interdisciplinary doctoral study within the Department.
4. STAFF DEVELOPMENT. Ensure that all early career researchers have clear career plans and opportunities for progression. Where appropriate, submit applications for IPF, DRF, PDF, CRF or SRF.

Trish Greenhalgh and Sara Shaw
January 2016