

Curriculum Vitae

Shaun Patrick Treweek

streweek@mac.com

Date of birth: 13th February 1968

(References are available on request. A list of publications, presentations and grants can be found in the Appendix)

Education

1990 - 1994 University of Strathclyde, PhD. Bioengineering

Thesis title: 'The direct measurement of the optical properties of blood and skin'.

For the continued development of medical techniques that involve light it is important to be able to describe the way light affects, and is affected by, biological tissues. This requires models of light propagation in tissue and values for the optical properties of tissues to use as input data to these models. My thesis describes experimental apparatus and techniques capable of directly measuring the optical properties of a wide variety of tissues, including fluids.

1986 - 1990 Brunel University, BSc (Hons) Applied Physics 2:1

Dissertation title: 'A radiation protection programme for I¹²⁵ involving air and surface sampling and a plastic water-filled neck-thyroid phantom'.

Subjects covered during my degree included optics, mechanics, thermodynamics, mathematics, measurement systems and instrumentation, scientific computing and statistical physics.

I was ranked joint 1st in my class and my dissertation was graded as first class. I was awarded the prize for Applied Physics in 1988.

1979 - 1986 Eckington Comprehensive School

'A'-levels: Physics (A), Computer Studies (A), General Studies (A), Mathematics (B)

'O'-levels: Six As, three Bs and a C

I won the Ravencar Trophies for Outstanding Achievement in 1984 and 1986.

Employment history

Feb 2005 - present: Clinical & Population Sciences and Education, University of Dundee, Dundee

(80% until Aug 2009)

Senior Lecturer and Assistant Director, Tayside Clinical Trials Unit

Principal responsibilities:

- To provide strategic guidance as part of the leadership group of the Tayside Clinical Trials Unit with the aim of improving both the quality and quantity of trials within Tayside and Scotland.
- To provide Tayside trialists with trial design support, especially with regard to making trial more widely applicable to clinicians, patients and policymakers.
- To establish a program of methodological research that support trial activity in Tayside, especially with regard to the applicability of trial results to contexts outside the immediate setting in which the trial was done, presentation of research evidence to users, recruitment support, intervention design and the use of health informatics in trials.
- To establish a GCP-compliant data management service for Tayside trialists.
- To establish quality assurance systems for the Trial Unit's data management services.
- To manage staff developing and providing data management services to trialists.
- Leading the Division's 'Evidence-informed healthcare' module for 2nd and 3rd year undergraduate medical students (approx. 280 students).
- To support the general teaching activities of the Division, especially with regard to PhD students, research methods and trial design and conduct.
- To support the research and other work of the department, especially through chairing the weekly departmental research meetings.

Dec 1998 - Jul 2009: Norwegian Knowledge Centre for Health Services, Oslo

(20% from 2005 - 2009)

Researcher

Principal responsibilities:

- Project Manager for the five-year, EC-financed project SURE, which is coordinated in Oslo. This project has 12 partners in 12 countries and will increase the ability of partners in low and middle income countries to access and use policy-relevant syntheses of research evidence that consider context and implementation.
- Project Manager for the three-year, EC-financed project SUPPORT, which is coordinated in Oslo. This project has ten partners in nine countries and aims to increase the use of research results in health policy in low and middle income countries.
- Project Manager for the three-year, EC-financed project ReBEQI, which was coordinated in Oslo. This project aimed to increase the use of research results in healthcare.
- Project Manager for the three-year, EC-financed project Practihc, which was coordinated in Oslo. This project had 11 partners in ten countries and aimed to increase the use of pragmatic randomised controlled trials in low and middle income countries.

Oct 1994 - Nov 1998: University of Strathclyde, Glasgow

Coordinator, Scottish Physiotherapy Amputee Research Group (SPARG)

Professional activities

Committees/editorial boards

- Chair, Data Management and Biostatistics Committee, University of Dundee, 2009 - present (Chair from May 2010)
- Member, Clinical Research Guidelines Committee, University of Dundee, 2008 - present
- Member, Clinical Trial Governance Committee, University of Dundee, 2008 - present
- Member, Sponsorship Committee, University of Dundee, 2010 - present
- Member, Tayside Clinical Trial Unit Management Committee, University of Dundee, 2008 - present
- Member, GRADE Working Group, 2010 - present
- Contributor, Sense About Science, a charity that promotes good science and evidence for the public, 2006 - present
- Associate Editor, Biomed Central Group journals
- Editorial Board member, *Comparative Effectiveness Research*

Reviewer for the following journals

- Annals of Family Medicine, Biomed Central (BMC) Health Services Research, BMC Medical Informatics and Decision Making, BMC Medical Education, BMC Medical Research Methodology, BMC Clinical Pharmacology, International Journal of Epidemiology, BMJ, Journal of Health Services Research and Policy, Journal of Medical Internet Research, Implementation Science, Trials, Informatics in Primary Care, Quality and Safety in Healthcare

Reviewer for the following research councils

- UK Medical Research Council, Chief Scientist Office Scotland, Research Council of Norway, Wales Office for Research and Development,

Media reports and interviews

- Interviews on BBC Radio Scotland, Phantom Radio 105.2 (Ireland), Highland Radio (Ireland)
- Quoted in The Guardian, The Independent and The Daily Mail newspapers and The Scientist magazine.

Languages

Fluent in English and Norwegian and can read Danish and Swedish.

Interests

Climbing mountains, camping, mountain biking and being outdoors. Travel is cool, especially when buying things involves arguing about the price. When it rains, I enjoy going to the cinema, drinking tea and just talking to friends. A weekly pastime is trying to figure out the finance and economics section of *The Economist*. No luck yet.

Appendix

Publications, presentations and grants

Publications - in preparation

Publications - in press

Publications - under review

1. Treweek S, Mitchell E, Pitkethly M, Cook J, Kjeldstrøm M, , Johansen M, Taskila T, Sullivan F, Wilson S, Jackson C, Jones R, Lockhart P. Strategies to improve recruitment to randomised controlled trials. (updating).
2. May CR, Finch T, Ballini L, MacFarlane A, Mair F, Murray E, Treweek S, Rapley T. Evaluating Complex Interventions and Health Technologies Using Normalization Process Theory: Development of a Simplified Approach and Web-Enabled Toolkit (submitted to BMC HSR)
3. Condie ME, McFayden A, Treweek S, Whitehead L. The Trans-femoral Fitting Predictor (TFP) – A functional measure to predict prosthetic fitting in trans-femoral amputees: validity and reliability. (submitted to Archives of Rehabilitation).
4. Treweek S, Barnett K, MacLennan G, Bonetti D, Eccles M, Francis J, Jones C, Pitts NB, Ricketts IW, Weal M, Sullivan F. Email invitations to general practitioners made little difference to trial recruitment compared to postal invitations but were less time-consuming and cheaper (submitted to JCE).

Publications - published

1. Treweek S, Loudon K. Incomplete reporting of recruitment information in breast cancer trials published between 2003 and 2008. *J Clin Epidemiol.* 2011 Apr 23. [Epub ahead of print].
2. Craigie AM, Macleod M, Barton KL, Treweek S, Anderson AS. Supporting postpartum weight loss in women living in deprived communities - design implications for a randomised control trial. *Eur J Clin Nutr.* 2011 May 11. [Epub ahead of print]
3. Craigie A, Caswell S, Paterson C, Treweek S, Belch J, Daly F, Rodger J, Thompson J, Kirk A, Ludbrook A, Stead M, Wardle J, Steele RJ, Anderson AS. Study protocol for BeWEL: The impact of a BodyWEight and physical activity intervention on adults at risk of developing colorectal adenomas. *BMC Public Health* 2011, 11:184.
4. Campbell M, McDonald A, Treweek S, Knight R, Shakhur H. Using a business model approach and marketing techniques for recruitment to clinical trials. *Trials* 2011, 12:74.
5. Treweek S, Ricketts IW, Francis J, Eccles M, Bonetti D, Pitts NB, MacLennan G, Sullivan F, Jones C, Weal M, Barnett K. Developing and evaluating interventions to reduce inappropriate prescribing by general practitioners of antibiotics for upper respiratory tract infections: a randomised controlled trial to compare paper-based and web-based modelling experiments. *Implementation Science* 2011, 6:16.
6. Murray E, Treweek S, Pope C, MacFarlane A, Ballini L, Dowrick C, Finch T, Kennedy A, Mair F, O'Donnell K, Ong BN, Rapley T, Rogers A, May C. Normalisation process theory: a framework for developing, evaluating and implementing complex interventions. *BMC Medicine* 2010, 8:63.
7. Clarkson JE, Ramsay C, Eccles M, Grimshaw J, Treweek S, Young L, Black I, Bonetti D, Cassie H, Eldridge S, Francis J, Johnston M, MacKenzie M, MacPherson L, McKee L, Michie S, Pitts N, Stirling D, Tilley C, Torgerson C, Vale L, Walker A. The Translation Research in a Dental Setting (TRiaDS) Programme Protocol. *Implementation Science* 2010; 5:57 doi:10.1186/1748-5908-5-57.
8. Sense About Science and Stratight Statistics. Making Sense of Statistics. (Contributor). Sense About Science 2010.
9. Treweek S, Pearson E, Smith N, Neville R, Sargeant P, Boswell B, Sullivan F. Desktop software to identify patients eligible for recruitment into a clinical trial: using SARMA to recruit to the ROAD feasibility trial. *Informatics in Primary Care* 2010; 18: 51-58.
10. Thorpe KE, Oxman AD, Treweek S, Furberg CD. Response to Prof Windeler's Letter to the Editor regarding PRECIS. *J Clin Epi* 2010.
11. Treweek S, Pitkethly M, Cook J, Kjeldstrøm M, Taskila T, Johansen M, Sullivan F, Wilson S, Jackson C, Jones R, Mitchell E. Strategies to improve recruitment to randomised controlled trials. *Cochrane*

Database of Systematic Reviews 2010, Issue 4. Art. No.: MR000013. DOI: 10.1002/14651858.MR000013.pub5.

12. Carling C, Kristoffersen DT, Montori VM, Herrin J, Schünemann H, Treweek S, Akl E, Devereaux PJ, Oxman AD. The effect of alternative summary statistics for communicating risk reduction on decisions about whether to take statins. A randomized trial. *PLoS Med* 6(8):e1000134.doi:10.1371/journal.pmed.1000134.
13. Treweek S, Zwarenstein M. Making trials matter: pragmatic and explanatory trials and the problem of applicability. *Trials* 2009; 10:37.
14. May C, Mair F, Finch T, MacFarlane A, Dowrick C, Treweek S, Rapley T, Ballini L, Ong BN, Rogers A, Murray E, Elywn G, Legare F, Gunn J, Montori VM. Development of a theory of implementation and integration: Normalization Process Theory, *Implementation Science* 2009, 4:29.
15. Zwarenstein M, Treweek S. What kind of randomized trials do patients and clinicians need? *ACP Journal Club* 2009; 150: JC5-2-3.
16. Zwarenstein M, Treweek S. What kind of randomized trials do we need? *CMAJ*. 2009 May 12;180:998-1000. Epub 2009 Apr 16.
17. Thorpe KE, Zwarenstein M, Oxman AD, Treweek S, Furberg CD, Altman DG, Tunis S, Bergel E, Harvey I, Magid DJ, Chalkidou K. A pragmatic-explanatory continuum indicator summary (PRECIS): a tool to help trial designers. *CMAJ*. 2009;180:E47-57. Epub 2009.
18. Oxman AD, Lombard C, Treweek S, Gagnier JJ, Maclure M, Zwarenstein M. Why we will remain pragmatists: four problems with the impractical mechanistic framework and a better solution. *J Clin Epi* 2009; 62: 485-8.
19. Oxman AD, Lombard C, Treweek S, Gagnier JJ, Maclure M, Zwarenstein M. A pragmatic resolution. *J Clin Epi* 2009; 62: 495-8.
20. Thorpe KE, Zwarenstein M, Oxman AD, Treweek S, Furberg CD, Altman DG, Tunis S, Bergel E, Harvey I, Magid DJ, Chalkidou K. A pragmatic-explanatory continuum indicator summary (PRECIS): a tool to help trial designers. *J Clin Epi* 2009; 62: 464-75.
21. Zwarenstein M, Treweek S. What kind of randomized trials do we need?. *J Clin Epi* 2009; 62: 461-3.
22. Treweek S, Doney A, Leiman D. Postal survey of public attitudes to the storage of blood leftover from routine general practice tests and its use in genetic research. *JHSRP* 2009; 14: 13-19; doi:10.1258/jhsrp.2008.008016.
23. Carling C, Kristoffersen DT, Herrin J, Treweek S, Oxman AD, Schünemann H, Akl E, Devereaux PJ, Montori V. How should the impact of different presentations of treatment effects on patient choice be evaluated? A pilot randomized trial. *PLoS ONE* 2008; 3(11): e3693. doi:10.1371/journal.pone.0003693.
24. Zwarenstein M, Treweek S, Gagnier J, Altman DG, Maclure M, Tunis S, Haynes B, Oxman AD, Moher D. Improving the reporting of pragmatic trials: an extension of the CONSORT Statement. *BMJ* 2008; 337:a2390.
25. Lewin S, Lavis JN, Oxman AD, MD. Bastias G, Chopra M, Ciapponi A, Flottorp S, Garcia Marti S, Pantoja T, Rada G, Souza N, Treweek S, Wiysonge CS, Haines A. Supporting the delivery of cost-effective interventions in primary health care systems: implications for low- and middle-income countries from a global overview of the evidence. *Lancet* 2008; 372:928-939.
26. Treweek S, Zwarenstein M. Control freaks (response). Letter to *The Economist*, June 27th. http://www.economist.com/blogs/theinbox/2008/06/control_freaks_june_14th.cfm
27. May C, Finch T, Mair F, Ballini L, Dowrick C, Eccles M, Gask L, MacFarlane A, Murray E, Rapley T, Rogers A, Treweek S, Wallace P, Anderson G, Burns J, Heaven B. Understanding the implementation of complex interventions in health care: the normalisation process model. *BMC Health Services Research* 2007, 7:148.
28. Akl E, Treweek S, Foy R, Francis J, Oxman A. NorthStar - a support tool for the design and evaluation of quality improvement interventions in healthcare. *Implementation Science* 2007; 2:19 doi: 10.1186/1748-5908-2-19.
29. Protti D, Wright G, Treweek S, Johansen I. Comparing Primary Care Computing in England and Scotland to Denmark. *Informatics in Primary Care* 2006; 14: 93-99.
30. Treweek S, Abalos E, Campbell M, Ramsay C, McKormack K, Zwarenstein M. The Trial Protocol Tool: the PRACTIHC software tool that supported the writing of protocols for pragmatic randomized controlled trials. *J Clinical Epidemiology* 2006; 59: 1127-1133.
31. Treweek S. Does outcome audit improve quality of care? (invited publication) *Journal of Health Services Research and Policy* 2006;11: 256.
32. Treweek S, Sullivan F. How much does pre-trial testing influence complex intervention trials and would more testing make any difference? An email survey. *BMC Health Research Methodology* 2006, 6:28.
33. Treweek S. Informed consent - a commentary. *The Cochrane Collaboration Methods Groups Newsletter Volume 10 June 2006 (supplement)*. Overview of systematic methodology reviews of the design and conduct of randomized trials and systematic reviews of healthcare interventions.
34. Treweek S. Differences in participants in randomized versus non-randomized studies may influence effect estimates - structured abstract. *The Cochrane Collaboration Methods Groups Newsletter Volume 10 June 2006 (supplement)*. Overview of systematic methodology reviews of the design and conduct of randomized trials and systematic reviews of healthcare interventions.
35. Treweek S. The effect of allocating by patient preference rather than randomization is not known - structured abstract. *The Cochrane Collaboration Methods Groups Newsletter Volume 10 June 2006*

- (supplement). Overview of systematic methodology reviews of the design and conduct of randomized trials and systematic reviews of healthcare interventions.
36. Treweek S. Randomized versus non-randomized allocation often leads to a different estimate of effect - structured abstract. The Cochrane Collaboration Methods Groups Newsletter Volume 10 June 2006 (supplement). Overview of systematic methodology reviews of the design and conduct of randomized trials and systematic reviews of healthcare interventions.
 37. Treweek S, James P. Monoplace hyperbaric oxygen treatment in the NHS: a cost analysis. *Journal of Wound Healing* 2006; 15: 235-238.
 38. Fretheim A, Oxman AD, Håvelsrud K, Treweek S, Kristoffersen DT, Bjørndal A. Rational Prescribing in Primary Care (RaPP): A cluster randomised trial of a tailored intervention to improve prescribing of antihypertensive and cholesterol-lowering drugs. *PLoS Med* 2006 3(6): e134. DOI: 10.1371/journal.pmed.0030134.
 39. Condie E, Scott H, Treweek S. Lower Limb Prosthetic Outcome Measures: A Review of the Literature 1995 to 2005. *JPO* 2006; 18 (1S): 13-45.
 40. Treweek S. Complex interventions and the chamber of secrets: understanding why they work and why they don't. *JRSM* 2005; 98: 553.
 41. Protti DJ, Treweek S. Scottish physicians are also active users of electronic medical records. *Canada Health Infoway* 2005.
 42. Protti DJ, Treweek S. All Norwegian GPs use electronic medical records (EMR). *Canada Health Infoway* 2005.
 43. Carling C, Glenton C, Strømme Nilsen E, Oxman A, Treweek S. Utredning av off. informasjonstiltak på nett [Survey of web-based information services for patients] Norwegian Directorate for Health and Social Affairs, Oslo, 2005.
 44. Treweek S, Flottorp S, Fretheim A, Håvelsrud K, Kristoffersen DT, Oxman A, Aasland OG. Retningslinjer for allmennpraksis – blir de lest og blir de brukt? [Guidelines in general practice - are they read and are they used?] *Tidsskr Nor Lægeforen* 2005; 125:300-3.
 45. Treweek S, Flottorp S, Fretheim A, Håvelsrud K, Kristoffersen DT, Oxman A, Aasland OG. Hva gjør fastleger for å holde seg faglig oppdatert? En spørreskjemaundersøkelse [What do general practitioners do to keep updated? A questionnaire study] *Tidsskr Nor Lægeforen* 2005; 125:304-6.
 46. Håvelsrud K, Flottorp S, Fretheim A, Håvelsrud K, Kristoffersen DT, Oxman A, Treweek S, Aasland OG. Hva gjør medarbeidere for å holde seg faglig oppdatert? En spørreskjemaundersøkelse om bruk av ulike tilbud for etterutdanning og kvalitetsforbedring i allmennpraksis. [How do general practice assistants keep themselves up-to-date? A questionnaire study of the use of continuing education and quality improvement activities in general practice.] *Tidsskr Nor Lægeforen* 2005; 125:307-9.
 47. Treweek S. A new quality improvement study every day? Using QTools to build quality improvement projects around primary care electronic medical record systems. Proceedings of the 11th World Congress on Medical Informatics, MedInfo 2004, San Francisco, USA, 7th - 11th September 2004.
 48. Treweek S. The potential of electronic medical record systems to support quality improvement and research in Norwegian general practice. *Biomed Central Health Services Research* 2003, 3:10.
 49. Treweek S. Joining the mobile revolution. *Scand J Prim Health Care* 2003; 21:75-76.
 50. Fretheim A, Oxman AD, Treweek S, Bjørndal A. Rational prescribing in primary care (RaPP-trial). A randomised trial of a tailored intervention to improve prescribing of antihypertensive and cholesterol-lowering drugs in general practice (ISRCTN 48751230). *Biomed Central Health Services Research* 2003; 3:5.
 51. Treweek S. Book review: Using information and communication technology in healthcare; Medicine and the Internet (3rd edition); Evidence-based medicine toolkit. *Br J Gen Pract* 2003; 53: 82-83.
 52. Callaghan BG, Sockalingam S, Treweek SP, Condie ME. A post-discharge functional outcome measure for lower limb amputees: test-retest reliability with trans-tibial amputees. *Prosthet Orthot Int* 2002 Aug; 26(2):113-9.
 53. Flottorp S, Oxman AD, Håvelsrud K, Treweek S, Herrin J. Reporting of trials of implementation research and educating for change (rapid response). *BMJ* 2002; 325 (web edition)
 54. Flottorp S, Oxman AD, Håvelsrud K, Treweek S, Herrin J. Cluster randomised controlled trial of tailored interventions to improve the management of urinary tract infections in women and sore throat. *BMJ* 2002;325:367-72.
 55. Treweek S, Glenton C, Penrose A, Oxman A. (2002) 'Computer-generated patient educational materials: do they affect professional practice? A systematic review.' *JAMIA*, 9, p346-358.
 56. Flottorp S, Fretheim A, Håvelsrud K, Oxman A, Treweek S. Forskningsbasert etterutdanning og kvalitetsforbedring (FEK) [Research-based continuing education and quality improvement]. Prosjektskisse. Oslo: Statens institutt for folkehelse, 2001.
 57. Treweek, S, Flottorp, S. (2001) Using electronic medical records to evaluate healthcare interventions. *Health Informatics Journal*, 7, p96-102.
 58. Treweek, S. (2001) 'Is globalisation in healthcare simply a euphemism for Americanisation?', *JHSRP*, 6, p190.
 59. Treweek, S, Flottorp, S, Oxman, A. (2000) Improving the quality of primary care through tailored interventions and customisable software linked to electronic medical records. *Health Informatics Journal*, 6, p212-218.

60. Scott, S., Condie, M. E., Treweek, S. P., Sockalingam, S. (2000) An evaluation of the amputee mobility aid (AMA) early walking aid. *Prosthetics and Orthotics International*, **24**, p39-46.
61. Treweek, S. (2000) 'What is clinical effectiveness?', *JHSRP*, **5**, p63-64.
62. Treweek, S., Flottorp, S., Scheel, I., Oxman, A. (2000) Helsetjenesten - mer nytte enn skade? [The healthcare system - more harm than good?], *Aftenposten [Norwegian national broadsheet newspaper]* 4th January.
63. Treweek, S. (1999) Health policy is often poorly evaluated. (electronic response to article), *BMJ*, **319**, p1361.
64. Treweek, S. P, Condie, M. E. (1998) 'Three measures of functional outcome for lower limb amputees', *Prosthet Orthot Int*, **22**, p178-185.
65. Condie, M. E., Treweek, S. P., Ruckley, C. V. (1998) Trends in lower limb amputee management: three year results from a national survey. (abstract), *Br. J. Surg.*, **85**, p23.
66. Treweek, S. P., Condie, M. E., Gilmour, D. G. (1998) 'Screening for diabetes in lower limb amputees: a pilot study', *J. Royal Coll. Surg. Edin.*, **43**, p93-94.
67. Treweek, S. P., Condie, M. E., Gilmour, D. G. (1998) 'Non-insulin dependent diabetes is being missed' (letter), *BMJ*, **7129**, p472.
68. Treweek, S.P., Barbenel, J. C. (1996) Direct measurement of the optical properties of human breast skin. *Med. & Biol. Eng. & Comput.*, **34**, p285-289.
69. Condie, M. E, Jones, D., Scott, H., Treweek, S. P. (1996) A one-year national survey of patients having a lower limb amputation. *Physiotherapy* , **82**, p14-20.

Presentations

1. Shaun Treweek. Recruitment Strategies in Clinical Trials. MRC Clinical Trials Methodology Conference, Bristol, UK, October 4th-5th, 2011.
2. Treweek S. Web-based intervention modelling experiments: a way of exploring primary care interventions before a full-scale trial. SSPC Annual Conference, Edinburgh, UK 19th-20th April 2011.
3. Shaun Treweek. Recruiting participants to trials. European Calcified Tissue Society Annual Conference, Glasgow, June 26th 2010 (invited presentation).
4. Campbell SE, Campbell MK, Ramsay C, Treweek S, Abalos E, Althabe F, Lombard C, Norrie J on behalf of the SUPPORT collaboration. Supporting the management of pragmatic randomized controlled trials: Development of the trial management tool. *Clinical Trials*, 2010:7:49
5. Shaun Treweek and Fergus Daly. Recruiting participants to trials in primary care. Scottish School of Primary Care Annual Conference, Crieff, April 27th 2010.
6. Treweek S. Strategies to improve recruitment to randomised controlled trials. ADEGS 2010, Dundee, UK, Jan 21st - 22nd, 2010.
7. Treweek S. Working with the media (invited panel discussant). Standing up for Science, Sense About Science Meeting, Edinburgh, UK, Nov 21st, 2008.
8. Treweek S. Web-based intervention modelling experiments: a way of improving primary care trials. Society of Academic Primary Care Annual Meeting, Galway, Ireland, Jul 9th-11th, 2008.
9. Treweek S. How can we make it easier to recruit clinicians and patients to primary care research? Invited workshop. Part of workshop. Society for Clinical Trials, St Louis, USA, May 18th-21st, 2008.
10. Treweek S. How can we make it easier to recruit clinicians and patients to primary care research? Invited workshop. Scottish School of Primary Care Annual Meeting, Carnoustie, UK, Jan 23rd 2008.
11. Treweek S. What are complex interventions and how are they developed? Part of workshop. International Nursing Research Conference, UK Royal College of Nursing, Dundee, UK, May 1st - 4th 2007.
12. Gilmour M, Treweek S. The Heart & Stroke Information Point: working with patients, carers and health professionals in Tayside to provide a high quality, user-friendly health information website (poster). Patient Information Conference, Scottish Health Council, Glasgow, UK, November 14th 2006.
13. Treweek S, Sullivan F, Neville R, Reed C. How can we make it easier to recruit patients to primary care trials? North American Primary Care Research Group conference, Tuscon, USA, October 15th - 18th 2006.
14. Lombard C, McCormack K, Treweek S, Abalos E, Campbell M, Ramsay C, Zwarenstein M. The Trial Protocol Tool: a software tool designed to assist with the production of trial protocols (poster). European and Developing Countries Clinical Trials partnership Conference, Durban, South Africa, 3rd - 5th October 2005.
15. McCormack K, Treweek S, Abalos E, Campbell M, Ramsay C, Zwarenstein M. The Trial Protocol Tool: a software tool designed to assist with the production of trial protocols (poster). Society for Clinical Trials Conference 2005.
16. Treweek S. (Invited presentation) A software tool to support the writing of protocols for pragmatic randomised controlled trials. Meeting of CONSORT group to discuss a modified CONSORT statement for pragmatic RCTs. Hosted by Institute for Clinical Evaluative Sciences, Toronto, Canada, January 20th and 21st 2005.
17. Treweek S. A new quality improvement study every day? Using QTools to build quality improvement projects around primary care electronic medical record systems. MedInfo 2004, San Francisco, USA, 7th - 11th September 2004.
18. Treweek S. (Invited presentation) Using pragmatic randomised controlled trials to evaluate health care interventions. International Community Health, Accessibility, Equity and Human Rights - Faculty of Medicine Summer School, University of Oslo, Oslo, Norway, July 8th 2004.
19. Treweek S. (Invited presentation) A software tool to support the writing of protocols for pragmatic randomised controlled trials in low- and middle-income countries. Global Health Seminar, GlobInf, Oslo, Norway, March 16th 2004.
20. Treweek S. (Invited presentation) What do GPs use for continuing medical education? Norwegian Medical Association Course Organisers' Annual Meeting, Oslo, Norway, January 21st 2004.
21. Treweek S. (Invited presentation) Use of IT tools to for quality improvement in healthcare. Norwegian Institute for Health and Technology Assessment, Oslo, December 11th 2002.
22. Treweek S. (Invited presentation) The extraction of data from medical record systems to evaluate clinical practice. Infobruk 2002, Oslo, February 8th 2002.
23. Treweek, S, Flottorp, S. Using electronic medical records to evaluate healthcare interventions. Sixth International Symposium of Health Informatics in Medical Research, Halkidiki, Greece, May 24-26th 2001.
24. Treweek, S, Flottorp, S, Oxman, A. Improving the quality of primary care through tailored interventions and customisable software linked to electronic medical records. Fifth International Symposium of Health Informatics in Medical Research, Sheffield, UK, June 12-13th 2000.
25. Treweek, S. P., Condie, M. E., Gilmour, D. G. Screening for undiagnosed diabetes in lower limb amputees, International Society for Prosthetics and Orthotics World Congress, Amsterdam June 28-July 3rd 1998.

26. Treweek, S. P., Condie, M. E. A comparison of three measures of functional outcome for lower limb amputees, Invited symposium contribution, International Society for Prosthetics and Orthotics World Congress, Amsterdam June 28-July 3rd 1998.
27. Scott, S., Condie, M. E., Treweek, S. P. An integrated evaluation of a novel early walking aid, International Society for Prosthetics and Orthotics World Congress, Amsterdam June 28-July 3rd 1998.
28. Condie, M. E., Treweek, S. P. Early walking aids for lower limb amputees, International Society for Prosthetics and Orthotics World Congress, Amsterdam June 28-July 3rd 1998.
29. Condie, M. E., Treweek, S. P. The SPARG clinical audit system, Poster presentation, International Society for Prosthetics and Orthotics World Congress, Amsterdam June 28-July 3rd 1998.
30. Treweek, S. P., Condie, M. E. Functional assessment of lower limb amputees, Chartered Society of Physiotherapy Annual Congress, Edinburgh, 19-21st September 1997.
31. Treweek, S. P. Outcome measures for amputees, Invited presentation at the amputee rehabilitation unit at St Luke's Hospital, Bradford Hospitals NHS Trust, 29th July 1997.
32. Treweek, S. P., Condie, M. E. 'Functional assessment methods for lower limb amputees', British Association of Prosthetists and Orthotists Annual Conference, Blackpool, 7-9th March 1997.
33. Condie, M.E., Treweek, S.P. An annual survey and analysis of data from a national discharge summary form for lower limb amputees , Interbor International Congress, 12th - 15th June 1996, Oslo.
34. Treweek, S. P. A practical approach to outcome measures for lower limb amputees, Invited paper, Outcome Measures Seminar, Dundee Limb Fitting Centre, 24th April 1996, Dundee.
35. Condie, M.E., Treweek, S.P. A national system of clinical audit for lower limb amputees at conference Audit in Surgical Practice , Royal College of Surgeons of Edinburgh, 22nd March 1996.

Grants

Grants submitted

April 2011

£205,539 to CSO by Treweek S, Schumm K, McCann S, McDonald A, Lewin S, Sullivan F. for a project called From evidence to practice: providing trialists with a tool for mapping trial recruitment barriers and facilitators onto interventions to increase recruitment.

November 2010

Improving the normalisation of complex interventions: Developing quantitative measures for users based on Normalisation Process Theory. Tracy Finch (PI), Carl May, Tim Rapley, Frances Mair, Elizabeth Murray, Shaun Treweek, Ian Nicholas Steen, Elaine McColl. Submitted to ESRC (Standard Research Grants) 30th November 2010. Funding requested: £436,419.61.

Grants awarded

June 2011 (18 months, proposed start 1/9/2011)

£188,000 awarded by CSO by Williams B, Sheik A, Donnelly P, Treweek S, Brown G, Sniohette F, Cameron L, Hoskins G, McGhee J. for a project called 'DEVELOPMENT OF INTERVENTIONS TO INCREASE PHYSICAL ACTIVITY AMONG YOUNG PEOPLE WITH LONG-TERM CONDITIONS: MRC COMPLEX INTERVENTIONS FRAMEWORK PHASE 1 STUDY USING ASTHMA AS AN EXEMPLAR'

March 2011

£518,072 awarded by MRC by Bowers P, Graffy J,...Treweek S et al. for a project called Systematic Techniques for Assessing Recruitment to Trials (START): a programme to test recruitment interventions.

1/6/2011 - 30/11/2013

£807,231 awarded by NIHR by Wyke S, Anderson A, Donnan P, Dunlop M, Gray C, Hunt K, Mutrie N, Fenwick E, Treweek S, White A, Leishman J, for a project called 'Football Fans in Training (FFIT): a randomized controlled trial of a gender-sensitive weight loss and healthy living programme delivered to men aged 35-60 by Scottish Premier League (SPL) football clubs.'

February 2011 (3 years)

£224,512 to Guthrie B, Bennie M, Petrie D, Robertson C, Ritchie L, Treweek S. from CSO for a project called 'Effective Feedback to Improve Primary Care Prescribing Safety (EFIPPS): a randomised controlled trial using ePrescribing data'

February 2011 (2 years)

£224,994 to Clarkson J, Ramsay C, Young L, McCann S, Gnich W, Bonetti D, Cassie H, Treweek S, Stirling D, Tilley C, Tochel C. from CSO for a project called 'Understanding the Systems, Organisational and Patient Barriers and Facilitators to Quality Improvement in Primary Dental Care: Prevention and Management of Dental Caries in General Practice.'

October 2010

£5,000 to Treweek S. from the Department of Health Systematic Review Incentive Scheme for work linked to the Cochrane Collaboration systematic review: 'Strategies to improve recruitment to randomised controlled trials'.

October 2010 (3 years)

£30,000 to Treweek S, Sullivan F. from MRC for a PhD studentship called 'Making trials matter: providing an empirical basis for the promotion (or rejection) of pragmatic design choices in clinical trials'

August 2010 (6 months)

£49076 awarded by CSO to Sullivan F, McKinstry B, Hanley J, Skeik A, Treweek S, Grant A. for a project called 'A pilot study on the feasibility of creating and using a Scottish Population Health Research Register.'

1/11/2010 - 30/9/2011

£49,862 awarded by CSO to Wyke S, Hunt K, Gray C, Anderson A, Dunlop M, Leishman J, Mutrie N, Treweek S. for a project called 'Can a gender-sensitised weight management programme delivered by Scottish Premier League football clubs help men lose weight? A feasibility study for a randomised controlled trial.'

July 2010 (3 years)

Supervisor on CSO Fellowship Award to H. Cassie Improving Quality in Healthcare: A Case Study in Dental Primary Care in Scotland. Value £113,275.

1/1/2011 - 31/12/2015

€2,992,312 by the European Commission 7th Framework Programme to Treweek S, Oxman A, Alonso P et al. for a project called 'Developing and Evaluating Communication strategies to support Informed Decisions and practice based on Evidence'

April 2010 (1 year)

£10,352 by NHS Tayside to Treweek S, McLeod G for a project called 'Development of GCP-compliant data management systems for three clinical trials of local anaesthetics'

1/5/2010 – 30/6/2012

£224,772 to CSO by Treweek S, Ricketts I, Francis J, Eccles M, Bonetti D, Pitts N, MacLennen G, Sullivan F, Weal M for a project called 'A web-based platform to support the development-evaluation-implementation process of the 2008 MRC framework for developing and evaluating complex interventions'.

1/10/2009 - 30/9/2010

£103,530 to May C, Murray E, Finch T, Treweek S, Mair F. from ESRC for a project called 'Normalizing new health technologies: building a web-enabled toolkit for implementation practitioners'.

1/5/2010 – 30/4/2013

£1,244,065 to Anderson A, Stead M, Ludbrook A, Kirk AF, Daly F, Steele RJC, Thompson JM, Treweek S, Wardle J, Rodger J, Belch J from MRC for a project called 'BeWEL the impact of a BodyWEight and physical activity intervention on adults at risk of developing colorectal adenomas.'

1/6/2009 – 31/5/2014

€2 988 542 to Oxman A, Treweek S, Panniset U, Sewankambo, N, Ongolo-Zogo P, Ayanta A, Lavis J et al. from the European Commission FP7 program for 'Supporting the Use of Research Evidence (SURE) for Policy in African Health Systems'.

December 2008

£5,000 to Treweek S. from the Department of Health Systematic Review Incentive Scheme for work linked to the Cochrane Collaboration systematic review: 'Strategies to improve recruitment to randomised controlled trials'.

July 2008

£49,204 to Pearson E, Treweek S, Sullivan F, Petrie J, Colhoun H. from CSO for 'Response to Oral Agents in Diabetes (ROAD)– Pilot Study'

April 2008

£15,260 to Condie E, Treweek S, McFadyn A, Whitehead L. to the CSO for 'The Transfemoral Fitting Predictor (TFP) – A functional measure to predict prosthetic fitting in transfemoral amputees: validity and reliability.'

March 2008

£182,028 to Anderson A, Barbour R, Fraser A, Kirk A, Ludbrook A, Mires G, Symon A, Thompson J, Treweek S, Williams B. to the MRC for 'IES platform: scoping and feasibility preparation for an RCT on post-partum weight loss (WeighWell)'.

July 2007

£49 995 to Treweek S, Sullivan F, Eccles M, Francis J, Johnston M, Ricketts I, Jones C, Pitts N, Bonetti D. from the Chief Scientist Office to develop a web-based tool to support the development, delivery, modelling and evaluation of complex interventions: Intervention Modelling Experiments (IMEs).

March 2007

£2 930 to S. Treweek, P. Lockwood, F. Daly, P. Sullivan and B. Williams from Eastren to support the development and piloting of an interview guide to study why GPs did, or did not, refer eligible patients to the Scottish Bell's Palsy Study.

March 2006

£7 056 to R. Neville, S. Treweek, Sullivan F, Reed C from EastRen to support pilot work on developing primary care acute recruitment multi-agent systems.

January 2006

€ 1 200 000 to Abalos E, Woelk G, S. Treweek, A. Oxman, Zwarenstein M. *et al* from the European Commission's INCO 6th Framework programme for a project titled 'The SUPPORT Collaboration: Supporting Policy Relevant Reviews and Trials.'

November 2005

€ 10 000 to Nikodem C, Oxman A, Treweek S, Jackson D *et al.* to the European & Developing Countries' Clinical Trials partnership programme for a pre-proposal titled 'African and European Network to establish a Masters Degree in Clinical Trials Methodology for Sub-Saharan Africa.'

June 2004 - December 2004

NOK 150 000 to A. Oxman, S. Treweek and A. Fretheim from the Norwegian GlobInf fund to support the development of an EC proposal titled 'Addressing uncertainties about how to achieve the millennium development goals: an international network of trial support units.'

December 2002 - December 2005

€ 1 834 054 to A. Oxman, M. Eccles, R. Grol, S. Treweek *et al* from the European Commission's Quality of Life 5th Framework programme for a project titled 'A framework and tools to develop effective quality improvement programs in European healthcare'.

Jan 2002 - Dec 2002

NOK 987 113 to S. Flottorp, A. Oxman, S. Treweek and A. Fretheim from the Norwegian Medical Association for a project titled 'Research-based continuing medical education and quality improvement'.

Jan 2001 - Dec 2001

NOK 250 000 to S. Treweek and A. Oxman from the Norwegian Research Council for additional development of the QTools project.

Jan 2000 - Dec 2000

NOK 500 000 to S. Treweek and A. Oxman from the Norwegian Research Council to develop a project called 'QTools: a data collection and quality improvement tool for general practice electronic patient journal systems'

May 1999 - April 2000

£23 000 to M. E. Condie, S. P. Treweek, D. Ruta and C. V. Ruckley by Lloyds TSB for the development of a general health assessment system for lower limb amputees.

October 1997 - September 1998

£20 000 awarded to M. E. Condie, S. P. Treweek and C. V. Ruckley by the medical charity Remedi for the development of a post-discharge functional outcome measure for lower limb amputees.