

PERSONAL INFORMATION

Stephen J. W. Evans

WORK EXPERIENCE

April 2002–Present

Professor of Pharmacoepidemiology

London School of Hygiene and Tropical Medicine (United Kingdom)

Teaching and research in pharmacoepidemiology, notably in statistical methods.

Research in detection of medical research fraud and misconduct. developing guidelines for randomised trial and observational study reporting

EDUCATION AND TRAINING

October 1961–June 1966

Bsc

Keele University (United Kingdom)

Physics & Chemistry with Mathematics and Political Science as subsidiary subjects

October 1977–September 1978

MSc

London School of Hygiene and Tropical Medicine (United Kingdom)

Medical Statistics

Pharmacoepidemiology

ADDITIONAL INFORMATION

Expertise

Medical Statistics

Epidemiology

Pharmacoepidemiology

Statistical detection of research fraud and misconduct

Publications

2011- onwards publications

1. Academy of Medical Sciences (UK) A new pathway for the regulation and governance of health research. 2011. [<http://acmedsci.ac.uk/p99puid209.html>]

2. Petersen I, Gilbert RE, Evans SJ, Man SL, Nazareth I. Pregnancy as a major determinant for discontinuation of antidepressants: an analysis of data from The Health Improvement Network. *J Clin Psychiatry*. 2011;72:979-85.

3. Lodi, S; Carpenter, J; Egger, P; Evans, S; (2011) Design of cohort studies in chronic diseases using routinely collected databases when a prescription is used as surrogate outcome. *BMC Medical Research Methodology*, 11. p. 36. ISSN 1471-2288

4. Douglas I, Evans S, Smeeth L. Effect of statin treatment on short term mortality after pneumonia episode: cohort study. *BMJ*. 2011;342

5. Crooks, C.; Prieto-Merino, D.; Evans, S. Identifying Adverse Events of Vaccines Using a Bayesian Method of Medically Guided Information Sharing. *Journal of Epidemiology and Community Health*, 2011; 65:A71-A71 (Abstract)

6. Crooks, C.; Prieto-Merino, D.; Evans, S. Identifying Adverse Events of Vaccines Using a Bayesian Method of Medically Guided Information Sharing. *Pharmaco-epidemiology and Drug Safety*, 2011;20:S261-S261 (Abstract)

7. Evans SJ. Blanket disapproval of all unlicensed indications is wrong. *BMJ*. 2011; 343

8. Petersen I, Gilbert R, Evans S, Nazareth I. Selective serotonin reuptake inhibitors and risk for major congenital anomalies. *Obstet Gynecol*. 2012;119:182-3

9. Crooks CJ, Prieto-Merino D, Evans SJ. Identifying adverse events of vaccines using a Bayesian method of medically guided information sharing. *Drug Saf*. 2012;35:61-78.

10. Fine PE, Smith PG, Evans SJ. Non-specific effects of BCG? *J Infect Dis.* 2012; 205:515
11. Evans SJ. An agenda for UK clinical pharmacology - Pharmacoeconomics. *Br J Clin Pharmacol.* 2012 ;73:973-8.
12. Bhaskaran K, Douglas I, Evans S, van Staa T, Smeeth L. Angiotensin receptor blockers and risk of cancer: cohort study among people receiving antihypertensive drugs in UK General Practice Research Database. *BMJ.* 2012;344:e2697. doi: 10.1136/bmj.e2697
13. Cornelius, Victoria R.; Sauzet, Odile; Evans, Stephen J.W. A Signal Detection Method to Detect Adverse Drug Reactions Using a Parametric Time-to-Event Model in Simulated Cohort Data. *Drug Safety.* 35:599-610, 2012.
14. Douglas IJ, Evans SJW, Hingorani A, Grosso AM, Timmis A, Hemingway H, et al. Clopidogrel and interaction with proton pump inhibitors: comparison between cohort and within person study designs. *BMJ* 2012;345:e4388
15. Evans SJW. An Answer to Multiple Problems with Analysis of Data on Harms? *Statistical Science* 2012; 27:346-347. (Commentary)
16. Piaggio G, Elbourne DR, Pocock SJ, Evans SJW, Altman DG; CONSORT Group. Reporting of noninferiority and equivalence randomized trials: extension of the CONSORT 2010 statement. *JAMA.* 2012;308:2594-2604.
17. Evans SJW, Douglas I, Rawlins MD, et al. Prevalence of adult Huntington's disease in the UK based on diagnoses recorded in general practice records. *J Neurol Neurosurg Psychiatry* 2013. doi:10.1136/jnnp-2012-304636
18. Douglas, I., Evans, S., Rawlins, M. D., Smeeth, L., Tabrizi, S. J., Wexler, N. S. Juvenile Huntington's disease: a population-based study using the General Practice Research Database. *BMJ Open* 2013;3:e002085-e002085
19. Wijlaars LP, Nazareth I, Whitaker HJ, Evans SJ, Petersen I. Suicide-related events in young people following prescription of SSRIs and other antidepressants: a self-controlled case series analysis. *BMJ Open.* 2013 Sep 19;3(9):e003247
20. Evans SJ. Moving along the yellow brick (card) road? *Drug Saf.* 2013 Oct;36 Suppl 1:3-4
21. Edwards P, Shakur H, Barnetson L, Prieto D, Evans S, Roberts I. Central and statistical data monitoring in the Clinical Randomisation of an Antifibrinolytic in Significant Haemorrhage (CRASH-2) trial. *Clin Trials.* 2013
22. Evans SJ, Leufkens HG. Regulatory decision-making: are we getting it right? *Pharmacoeconomics Drug Saf.* 2014;23:1012-6
23. Goh KL, Bhaskaran K, Minassian C, Evans SJ, Smeeth L, Douglas IJ. Angiotensin receptor blockers and risk of dementia: cohort study in UK Clinical Practice Research Datalink. *Br J Clin Pharmacol.* 2014. doi: 10.1111
24. Petersen I, Evans S, Nazareth I. Prenatal exposure to selective serotonin reuptake inhibitors and autistic symptoms in young children: another red herring? *Br J Psychiatry.* 2014;205(2):105-6.
25. Petersen I, McCrea RL, Osborn DJ, Evans S, Pinfold V, Cowen PJ, Gilbert R, Nazareth I. Discontinuation of antipsychotic medication in pregnancy: a cohort study. *Schizophr Res.* 2014;159(1):218-25.
26. Heath I, Evans S, Furberg C, Hippisley-Cox J, Krumholz H, Mulrow C, Wicks P. Report of the independent panel considering the retraction of two articles in *The BMJ.* *BMJ.* 2014;349:g5176.
27. Hunt D, Kavanagh D, Drummond I, Weller B, Bellamy C, Overell J, Evans S, Jackson A, Chandran S. Thrombotic microangiopathy associated with interferon beta. *N Engl J Med.* 2014;370(13):1270-1.
29. Evans, S.J.; Is the Yellow Card Road Going in the Right Direction? *Drug Saf,* 2015;38(6):517-8.
30. Evans, S.J.; What Is the Plural of a 'Yellow' Anecdote? *Drug Saf,* 2015;DOI 10.1007/s40264-015-0368-7
31. Harman, N.L.; Conroy, E.J.; Lewis, S.C.; Murray, G.; Norrie, J.; Sydes, M.R.; Lane, J.A.; Altman, D.G.; Baigent, C.; Bliss, J.M.; Campbell, M.K.; Elbourne, D.; EVANS, S.; Sandercock, P.; Gamble, C.; Exploring the role and function of trial steering committees: results of an expert panel meeting. *Trials,* 2015; 16(1):597
32. McCrea, R.L.; Nazareth, I.; Evans, S.J.; Osborn, D.P.; Pinfold, V.; Cowen, P.J.; Petersen, I.; Lithium Prescribing during Pregnancy: A UK Primary Care Database Study. *PLoS One,* 2015; 10(3):e0121024
33. Qizilbash, N.; Gregson, J.; Johnson, M.E.; Pearce, N.; Douglas, I.; Wing, K.; Evans, S.J.W.; Pocock, S.J. BMI and risk of dementia in two million people over two decades: a retrospective cohort

study *Lancet Diabetes & Endocrinology*, 2015; 3(6):431-436

34. Beau-Lejdstrom, R. ; Douglas, I. ; Evans, S.J. ; Smeeth, L. Latest Trends In Adhd Drug Prescribing Patterns In Children In The Uk: Prevalence, Incidence And Persistence. *Bmj Open*, 2016; 6(6):E010508

35. Bhaskaran, K. ; Smeeth, L. ; Evans, S. Prenatal Vitamin D And Offspring Wheezing. *JAMA*, 2016; 315(24):2730

36. Collins, R. ; Reith, C. ; Emberson, J. ; Armitage, J. ; Baigent, C. ; Blackwell, L. ; Blumenthal, R. ; Danesh, J. ; Smith, G.D. ; Demets, D. ; Evans, S. ; Law, M. ; Macmahon, S. ; Martin, S. ; Neal, B. ; Poulter, N. ; Preiss, D. ; Ridker, P. ; Roberts, I. ; Rodgers, A. ; Sandercock, P. ; Schulz, K. ; Sever, P. ; Simes, J. ; Smeeth, L. ; Wald, N. ; Yusuf, S. ; Peto, R. Interpretation Of The Evidence For The Efficacy And Safety Of Statin Therapy. *Lancet*, 2016;

37. Kavanagh, D. ; Mcglasson, S. ; Jury, A. ; Williams, J. ; Scolding, N. ; Bellamy, C. ; Gunther, C. ; Ritchie, D. ; Gale, D.P. ; Kanwar, Y.S. ; Challis, R. ; Buist, H. ; Overell, J. ; Weller, B. ; Flossmann, O. ; Blunden, M. ; Meyer, E.P. ; Krucker, T. ; Evans, S.J. ; Campbell, I.L. ; Jackson, A.P. ; Chandran, S. ; Hunt, D.P. Type I Interferon Causes Thrombotic Microangiopathy By A Dose-Dependent Toxic Effect On The Microvasculature. *Blood*, 2016;

38. Petersen, I. ; Mccrea, R.L. ; Sammon, C.J. ; Osborn, D.P. ; Evans, S.J. ; Cowen, P.J. ; Freemantle, N. ; Nazareth, I. Risks And Benefits Of Psychotropic Medication In Pregnancy: Cohort Studies Based On UK Electronic Primary Care Health Records. *Health Technol Assess*, 2016; 20(23):1-176

39. Petersen, I.; Sammon, C.J.; Mccrea, R.L.; Osborn, D.P.; Evans, S.J.; Cowen, P.J.; Nazareth, I. Risks Associated With Antipsychotic Treatment In Pregnancy: Comparative Cohort Studies Based On Electronic Health Records. *Schizophr Res*, 40. Chan, CL; Rudrappa, S; Ang, PS; Li, SC; Evans, SJW; (2017) Detecting Signals of Disproportionate Reporting from Singapore's Spontaneous Adverse Event Reporting System: An Application of the Sequential Probability Ratio Test. *Drug Saf*. ISSN 1179-1942 DOI: <https://doi.org/10.1007/s40264-017-0531-4>

41. Evans, SJ; (2017) Effects of NSAIDs on myocardial infarction may be overestimated. *BMJ* (Clinical research ed), 358. j3176. ISSN 0959-8138 DOI: <https://doi.org/10.1136/bmj.j3176>

42. Root, A; Douglas, I; Evans, S; (2017) Re: Biomedical Informatics Approaches to Identifying Drug-Drug Interactions: Application to Insulin Secretagogues. *Epidemiology (Cambridge, Mass)*. ISSN 1044-3983 DOI: <https://doi.org/10.1097/EDE.0000000000000760>

43. Tham, MY; Ye, Q; Ang, PS; Fan, LY; Yoon, D; Park, RW; Ling, ZJ; Yip, JW; Tai, BC; Evans, SJ; +1 more... (2017) Application and optimisation of the Comparison on Extreme Laboratory Tests (CERT) algorithm for detection of adverse drug reactions: Transferability across national boundaries. *Pharmacoepidemiology and drug safety*. ISSN 1053-8569 DOI: <https://doi.org/10.1002/pds.4340>

44. Morales, DR; Slattery, J; Evans, S; Kurz, X; (2018) Antidepressant use during pregnancy and risk of autism spectrum disorder and attention deficit hyperactivity disorder: systematic review of observational studies and methodological considerations. *BMC Med*, 16 (1). p. 6. ISSN 1741-7015 DOI: <https://doi.org/10.1186/s12916-017-0993-3>.

45. Matthews A, Donaldson LJ, Evans SJ, Langan SM. Safety of medicines delivered by homecare companies. *BMJ*. 2018 May 22;361:k2201. doi: 10.1136/bmj.k2201. PMID: 29789283.

Some older publications with at least 100 citations:

Blandy JP, England HR, Evans SJW, Hope-Stone HF, Mair GMM, Mantell BS, Oliver RTD, Paris AMI, Risdon RA (1980). T3 Bladder Cancer - The Case for Salvage Cystectomy. *Br. J. Urology*, 52, 506-510.

Stark RJ, Henson RA, Evans SJW (1982). Spinal Metastases. *Brain* 105, 189-213.

Evans PM, Evans SJW, Alberman E. Cerebral palsy: why we must plan for survival. *Arch Dis Child*. 1990; 65:1329-33.

Black, N, Van Rooyen, S, Godlee, F, Smith, R, Evans, SJW. What makes a good reviewer and a good review for a general medical journal? *JAMA*. 1998; 280:231-3.

Van Rooyen, S, Godlee, F, Evans, SJW, Smith, R, Black, N. Effect of blinding and unmasking on the quality of peer review: a randomized trial. *JAMA*. 1998; 280:234-7.

Van Rooyen, S, Godlee, F, Evans, S, Black, N, Smith, R. Effect of open peer review on quality of reviews and on reviewers' recommendations: a randomised trial. *Br Med J*. 1999; 318:23-7

Aylin P, Alves B, Best N, Cook A, Elliott P, Evans SJW, Lawrence AE, Murray GD, Pollock J, Spiegelhalter D. Comparison of UK paediatric cardiac surgical performance by analysis of routinely collected data 1984-96: was Bristol an outlier? *Lancet* 2001; 358: 181-7.

Evans SJW, Waller PC, Davis S. Use of proportional reporting ratios (PRRs) for signal generation from spontaneous adverse drug reaction reports. *Pharmacoepidemiology & Drug Safety* 2001;

10:483-6.

Waller PC, Evans SJ. A model for the future conduct of pharmacovigilance. *Pharmacoepidemiol Drug Saf.* 2003;12:17-29.

Ioannidis JP, Evans SJ, Gotzsche PC, O'Neill RT, Altman DG, Schulz K, Moher D; CONSORT Group. Better reporting of harms in randomized trials: an extension of the CONSORT statement. *Ann Intern Med.* 2004;141:781-8.

Piaggio G, Elbourne DR, Altman DG, Pocock SJ, Evans SJ; CONSORT Group. Reporting of noninferiority and equivalence randomized trials: an extension of the CONSORT statement. *JAMA.* 2006;295:1152-60.

Bate A, Evans SJW. Quantitative signal detection using spontaneous ADR reporting. *Pharmacoepidemiol Drug Saf* 2009; 18: 427-3

Projects Prevalence & incidence, drug utilisation in Huntington's Disease
Statistical methods for signal detection
Meta-analysis for drug and vaccine safety
Pharmacoepidemiology methods
Drugs and cancer
Drugs in pregnancy

Memberships Honorary Fellow of the Royal College of Physicians (London)
Fellow of the Royal College of Physicians (Edinburgh)
Fellow of the International Society of Pharmacoepidemiology
Hon. Member Royal College of Radiologists
Fellow of the Royal Statistical Society
Chartered Statistician
Invited Plenary speaker at over 100 conferences in Europe, US and Asia.
Editorial Boards of many journals in the past:
Currently "Drug Safety" *Int J of Pharmaceutical Medicine*

Other Relevant Information Examiner for PhDs - UK- London, (5), Edinburgh, Surrey, Sussex, Glasgow, - Europe elsewhere-
Amsterdam, Umea (Sweden), Paris, Bordeaux(2)
Assessor for postgraduate course, Oxford
Member & Chair of various Data Monitoring and Trial Steering Committees
Advisor & Advisory Boards for Tenured Professorships in US universities (Vanderbilt, University of Pennsylvania, Harvard, University of North Carolina)