

St George's University of London Population Health Research Centre Quinquennial Review, 2010-2014

Introduction

The Population Health Research Centre (PHRC) was one of six research centres formed at St George's, University of London (SGUL) at the beginning of 2010. It formed about one-quarter of the Division of Population Health Sciences and Education (PHSE). In February 2014 it was combined with mental health researchers and public health teachers from PHSE to form the Population Health Research Institute (PHRI).

During 2014, the results of the Research Excellence Framework were published. PHRC formed the kernel of SGUL's submission in Public Health, Health Services and Primary Care (UoA2), but the format of a REF submission cannot represent all aspects of our work. Since research publications during 2014 are very largely related to work carried out earlier, it is timely to review the performance of the research centre over a five-year period (2010-2014).

Major scientific issues that we addressed during this period include:

- International trends and variations in respiratory and cardiovascular disease
- Social and ethnic inequalities in disease risk among children
- Childhood and early adult predictors of later ill health
- Benefits of and interventions for increasing physical activity at all ages
- Adverse health effects of indoor and outdoor air pollutants
- The population burden and causes of eye disease
- Genetic and environmental influences on respiratory and cardiovascular disease
- Assessing the "evidence base" for therapies and policies for disease prevention
- Evaluating quality of care in the elderly and the effects of bereavement on health

Vision and mission statement

Our *aspiration (mission statement)* is to carry out population-based research which is intellectually stimulating, financially sustainable, respected nationally and internationally, and which has a positive impact on public health policy or health care practice.

Our *strategic aim (vision)* is to remain a cost-effective and productive research group that will be considered an asset by St George's, and by any institution with which St George's may seek partnership or union in the future.

Staffing

During the five years 2010-2014, the School-funded staff establishment of PHRC was little changed. In the previous year (2009), there had been proleptic investment in a professor (Julia Critchley), senior lecturer (Richard Atkinson) and lecturer (Claudia Thomas) in anticipation of the retirement of Professor Ross Anderson. During 2011, another senior lecturer (Sally Kerry) left and was not replaced. In 2012, Claudia Thomas emigrated and her lecturer post was re-filled in 2013. Several members of PHRC senior staff (Anderson, Cates, Poloniecki, Rudnicka) reduced their working hours between 2010 and 2014. Thus, in FTE terms, our academic staffing remained almost constant over the five years, as follows:

HEFCE-funded:

- 4 full-time professors of epidemiology (Cook, Critchley, Strachan, Whincup)
- 0.3 FTE reader in general practice (Oakeshott, promoted to professor in 2014)
- 1 full-time reader in epidemiology (Owen)
- 2.4 FTE senior lecturers in medical statistics, epidemiology or public health (Atkinson*, Rudnicka*, Shah)
- 1 full-time lecturer in epidemiology (Thomas, replaced in 2013 by Barone-Adesi)

Non-HEFCE-funded:

- 0.5 FTE professor of epidemiology & public health (Anderson)
- 0.4 FTE reader in medical statistics (Poloniecki)
- 1.3 FTE senior lecturer or senior research fellow in general practice (Cates, Harris*)
- 0.5 FTE lecturer in medical statistics (Butland)

* Atkinson, Rudnicka and Harris were promoted from senior lecturer to reader in 2014.

During 2010-2014, their grant-funded research teams typically comprised about 20 FTEs. The PHRC had no HEFCE-funded administrative support posts during this five-year period.

Research Excellence Framework 2014

PHRC contributed to SGUL's submission in Unit of Assessment 2 of REF 2014 (Public Health, Health Services and Primary Care). 11.57 FTE academic staff were submitted in UoA2, including all of the 13 eligible academic staff within the former PHRC.

All but one of the 41 submitted research outputs had been written while the author was working at SGUL. 83% of these outputs were rated as internationally excellent (including 24% rated as world-leading), placing our submission in the top quarter of the distribution across 32 universities on this measure of quality.

Two research impact case-studies were submitted, relating to work on passive smoking and outdoor air pollution. These attained a score of 90% as internationally excellent (including 80% world-leading). Research environment scored 87.5% as internationally excellent (but none world-leading).

In aggregate, the grade-point-average score for SGUL in UoA2 was 3.15, placing us at the median of the distribution of 32 universities submitting to this unit of assessment. Full details of this REF submission and the resulting feedback form a separate document.

Research outputs during 2010 to 2014 (annexes 1-6)

Journal publications

Journal publications by PHRC members over the last five calendar years are listed at annexes 1-6. The number of papers we published annually increased from 82 in 2010 to 108 in 2014, with a further 21 E-publications in 2014 ahead of print (annex 6).

During the five years 2010-2014, our publications included 7 papers in Nature, 4 in NEJM, 10 in Lancet, 12 in BMJ and 3 in PLoS Medicine, as well as many in leading specialist journals. A more detailed breakdown of all our publications by journal and year appears overleaf.

SGUL Population Health Research Centre publications 2010-2014 by journal and year

Journal topic	Journal title	2010	2011	2012	2013	2014	Total
General	Arch Intern Med		1				1
General	BMJ	2	4	3		3	12
General	BMJ Open			1		3	4
General	Canadian Med Ass J				1		1
General	JAMA					1	1
General	JAMA Intern Med					1	1
General	Lancet	3	1	4	1	1	10
General	N Engl J Med	1	2	1			4
General	Nature	3	1	2		1	7
General	PLoS Med	1			1	1	3
General	PLoS One		3	6	9	7	25
General journals	Subtotal	10	12	17	12	18	69
Ageing	See list below	1		1	2	5	9
Allergy	See list below	2	7	4	5	2	20
Cardiovascular	See list below	12	14	12	10	13	61
Chest	See list below	3	6	6	6	6	27
Cochrane reviews	See list below	6	6	18	10	11	51
Environment	See list below	1	4	4	7	5	21
Epidemiology	See list below	5	5	4	5	3	22
General Practice	See list below	1	4	2	4	2	13
Genetics	See list below	8	6	1	12	10	37
HSR/Public Health	See list below	2		5	7	6	20
Infection	See list below	1	5	5	3	3	17
Metabolism	See list below	6	2	3	2	7	20
Methods	See list below	1		3	4	4	12
Mental Health	See list below	3	2	1	1	2	9
Nutrition	See list below	4	2	1		2	9
Ophthalmology	See list below	5	2	3	2	1	13
Paediatrics	See list below	2	1	7	4	3	17
Specialty journals	Subtotal	63	66	80	84	85	378
Other journals	Subtotal	9	2	5	6	5	27
All journals	Grand total	82	80	102	102	108	474

Specialty journals with more than one publication over the five year period:

Ageing	Age Ageing (3), BMC Geriatr (2), J Am Geriatr Soc (3)
Allergy	Allergol Immunopathol (2), Allergy (2), Clin Exp Allergy (4), J Allergy Clin Immunol (10)
Cardiovascular	Arterioscler Thromb Vasc Biol (7), Atherosclerosis (5), Circ Cardiovasc Genet (2), Circ Heart Fail (2), Circulation (5), Eur Heart J (6), Eur J Cardiovasc Prev Rehabil (4), Eur J Prev Cardiol (3), Eur J Vasc Endovasc Surg (2), Heart (3), Int J Cardiol (2), J Am Coll Cardiol (4), J Hypertens (2), J Thromb Haemost (3), Stroke (4)
Chest	Am J Respir Crit Care Med (4), Eur Respir J (3), Int J Tuberc Lung Dis (4), Lancet Respir Med (2), Respir Res (2), Thorax (10)
Cochrane reviews	Cochrane Database of Systematic Reviews (51)
Environment	Air Qual Atmos Health (7), Environ Health Perspect (4), Occup Environ Med (3), Res Rep Health Eff Inst (3)
Epidemiology	Am J Epidemiol (2), Epidemiology (5), Eur J Epidemiol (2), Int J Epidemiol (8), J Epidemiol Community Health (4)
General Practice	Br J Gen Pract (8), Fam Pract (5)
Genetics	Am J Hum Genet (3), Hum Mol Genet (5), Nat Genet (19), PLoS Genet (7)
HSR/Public Health	Am J Public Health (2), BMC Public Health (6), Eur J Public Health (2), Int J Public Health (2)
Infection	BMC Infect Dis (2), Sex Transm Infect (10)
Metabolism	Diabetes Care (7), Diabetes Res Clin Pract (2), Diabetologia (3), Int J Obes (2), Lancet Diabetes Endocrinol (3)
Methods	Comput Methods Programs Biomed (2), Stat Med (2)
Mental Health	Br J Psychiatry (2)
Nutrition	Am J Clin Nutr (3)
Ophthalmology	Br J Ophthalmol (3), Invest Ophthalmol Vis Sci (4), Ophthalmic Physiol Opt (2)
Paediatrics	Arch Dis Child (2), Paediatr Respir Rev (3), Pediatr Allergy Immunol (5)
Other journals	Br J Surg (6)

Other publications

Two policy-related reports published in 2010 drew substantially upon previous work by members of the research centre:

- Tobacco Advisory Group of the Royal College of Physicians. *Passive smoking and children*. RCP, 2010 (drawing upon work by Cook and Strachan).
- Committee on the Medical Effects of Air Pollutants. *The Mortality Effects of Long-Term Exposure to Particulate Air Pollution in the United Kingdom*. Health Protection Agency, 2010 (drawing upon work by Anderson, Atkinson and Strachan).

The European Union (EU) designated 2013 to be the “Year of Air” during which a comprehensive review of the air quality policies was undertaken. The following reports drew heavily on updated meta-analyses of time-series evidence, compiled by the Air Pollution Epidemiology Database at St George’s (Anderson and Atkinson):

- The Review of Evidence on Health Aspects of Air Pollution (REVIHAAP) project was co-funded by the EU DG ENVIRONMENT and WHO Regional Office for Europe, to answer 24 policy-related questions about air pollution and health. Included in this review was consideration of whether new evidence was sufficient to revise the WHO 2005 Air Quality Guidelines. The REVIHAAP report was published online in 2013: <http://www.euro.who.int/en/what-we-do/health-topics/environment-and-health/air-quality/publications/2013/review-of-evidence-on-health-aspects-of-air-pollution-revihaap>
- Linked with REVIHAAP, and extending from it, the Health Risks of Air Pollution in Europe (HRAPIE) review, also published in 2013, recommended concentration-response functions for cost-benefit analysis to guide future policies for air pollutant control. Coefficients from time-series studies provided the key evidence base for estimating response functions and cost-benefit analyses for all gaseous pollutants. <http://www.euro.who.int/en/health-topics/environment-and-health/air-quality/publications/2013/health-risks-of-air-pollution-in-europe-hrapie-project.-new-emerging-risks-to-health-from-air-pollution-results-from-the-survey-of-experts>

The following international reviews and reports relating to respiratory disease included significant contributions from PHRC members:

- The Global Asthma Report, prepared by the International Union Against Tuberculosis and Lung Disease as a contribution to the UN Summit on Non-Communicable Diseases, September 2011, and updated in October 2014. (Anderson, Gupta, Limb and Strachan, with colleagues from the International Study of Asthma and Allergies in Childhood and the Global Asthma Network) <http://www.globalasthmareport.org/>
- The Global Burden of Disease 2010 report (published 2012), for which Anderson co-chaired the working groups on chronic respiratory disease and outdoor air pollution. <http://www.healthdata.org/gbd/>
- The World Health Organisation’s guidelines (published 2012) for management of asthma and COPD through a primary care approach in resource-constrained settings relied heavily on systematic reviews by the Cochrane Airways Group, represented by Cates as co-ordinating editor, who was a member of the WHO expert panel. http://apps.who.int/iris/bitstream/10665/76173/1/9789241548397_eng.pdf
- The European Respiratory Society Lung White Book 2nd edition (September 2013). Gupta, Limb and Strachan compiled epidemiological data and co-authored the first chapter: <http://www.erswhitebook.org/chapters/the-burden-of-lung-disease/>

Research grants awarded during 2010 to 2014 (annex 7)

The five years were also productive in terms of grant-raising, after a relatively lean period in 2008-9. Our annual research grant spending rose from about £1.0 million in 2009-10 to over £1.5 million in 2013-14. Over the REF 2014 reporting period (2008-9 to 2012-13), research grant spending within the Division of Population Health Sciences and Education (including both PHRC and Mental Health) was stable at approximately £2.5 million annually. Just over half of this funding came from UK government sources (mainly NIHR) and one-quarter came from UK charities.

Notable new grant awards to PHRC during 2010-2014 included:

- Two NIHR grants totalling £1.5 million for RCTs of complex interventions by primary care nurses to increase walking in middle-aged and older patients (Harris, Cook, and Whincup, in collaboration with RHUL, Brunel and QMUL).
- Two BHF grants totalling over £1 million to support a final round of fieldwork and linkage of military records for the British Regional Heart Study (Whincup, Cook, Owen and Rudnicka, in collaboration with UCL).
- Two NIHR grants totalling over £1 million to support the core work of the Cochrane Airways Group and its ongoing programme of systematic reviews of treatment for COPD and asthma in adults and children (Cates, Cook and Strachan).
- An award of £685,000 from the National Prevention Research Initiative and a further award of £260,000 (to SGUL) from NIHR to investigate the health-related lifestyle impact of rehousing into the Olympic Athletes Village (Owen, Whincup, Cook and Rudnicka in collaboration with Bristol University, LSHTM, MRC Social and Public Health Science Unit, Glasgow and University of Melbourne, Australia).
- Two MRC/NERC grants totalling over £650,000 (to SGUL) to study health effects of air pollution in association with the MRC-HPA Centre for Environment and Health (Atkinson, Cook, Whincup and Anderson, in collaboration with KCL, Imperial and LSHTM).
- An MRC/NPRI3 grant of £627,000 to study develop and evaluate economic models for planning optimal cardiovascular prevention strategies (Critchley, in collaboration with Liverpool, Manchester and Glasgow Caledonian Universities).
- An NIHR doctoral fellowship for Claire Nightingale (£300,000) and related research grants from the BUPA Foundation, Diabetes UK and NIHR-CLAHRC (totalling over £430,000), to support investigations of diet, physical activity and adiposity among children of different ethnic groups in the south London CHASE study (Whincup, with Cook, Owen and Rudnicka).
- An MRC grant of £406,000 for lifecourse studies of novel cardiovascular risk markers (Thomas and Whincup, in collaboration with the MRC National Survey of Health and Development).
- An award of £310,000 from NIHR to support use of electronic primary care databases to evaluate quality of health care and preventive health checks for learning disabled people (Shah, Cook and Harris).

Taught-course teaching activity during academic years 2009-10 to 2013-14

During the academic year 2009-10, members of the PHRC (excluding affiliates) contributed a total of 4266 weighted teaching hours (WTH) to undergraduate courses and taught postgraduate courses, comprising 2.7% of all non-PhD teaching diary time across SGUL. This contribution declined in both absolute and relative terms over the five-year period: 3398 WTH (2.3%) in 2010-11; 3199 WTH (2.1%) in 2011-12; 2523 WTH (1.9%) in 2012-13 and 2416 (2.0%) in 2013-14.

Higher degree supervision and completions during 2010 to 2014

One MRC-funded PhD student, whose doctoral studies pre-dated the formation of PHRC, successfully completed in autumn 2010 (David Hadley). Another, funded by a BHF studentship, completed successfully in autumn 2011 (Angela Donin). Claire Nightingale was awarded an NIHR-funded studentship during 2011 and completed successfully in spring 2014. Christopher Cates completed his MD in autumn 2011.

Advisory panels and other external activities during 2010 to 2014

Throughout this five-year period, one or more members of the PHRC (Anderson, Atkinson, Strachan) served on Department of Health Advisory Committees on air pollution (COMEAP, QUARK). Anderson also served as an independent reviewer of the US Health Effects Institute air pollution research programme (2008-2012) and both Anderson and Atkinson contributed actively to discussions of air pollution policy in Europe (REVIHAP and HRAPIE).

During 2009-2010, Strachan was a member of the HPA investigation of *E.coli* O157 in relation to recreational farms (the Griffin inquiry) and during 2012-2014 he served as academic advisor to the National Review of Asthma Deaths (RCP and HQIP). Through his work funded by the UK Care Quality Commission in 2011, Shah provided input to policy discussions about quality of care in care homes for elderly.

During 2009-2012, Strachan was a member of the NIHR RfPB grants panel for London, succeeded by Oakeshott (2013 onwards). Throughout this period, Whincup was a member of the British Heart Foundation Project Grant Committee. In 2014, Owen was appointed as a member of the Research Funding Board of the NIHR Public Health Research Programme.

From 2012 onwards, members of PHRC were recruited to UK Biobank Working Groups on health outcomes (Strachan), eyes and vision (Owen, Rudnicka) and physical activity (Owen). Whincup acted as scientific advisor to the ALSPAC Study and the Born in Bradford Study.

Strachan served as chair of the Part A Examination Development Committee for the Faculty of Public Health (2009-2012) and in 2013 he was awarded the Wilfrid Harding prize for "outstanding effort in promoting the aims of the Faculty".

Throughout the five years, Whincup, who is funded full time by St George's, directed the British Regional Heart Study, located at University College London. He was nominated as Pemberton Lecturer by the Society of Social Medicine in 2012.

During 2014, Poloniecki was elected as a Governor of St George's NHS Healthcare Trust, in preparation for it becoming a Foundation Trust (in 2015), and Strachan was elected as a representative of academic staff on the Council for St George's, University of London.

Annex 1: Population Health Research Centre: Journal Publications 2010

- (1) **Anderson HR**, Ruggles R, Pandey KD, Kapetanakis V, Brunekreef B, Lai CK ... **Strachan DP** et al. Ambient particulate pollution and the world-wide prevalence of asthma, rhinoconjunctivitis and eczema in children: Phase One of the International Study of Asthma and Allergies in Childhood (ISAAC). *Occup Environ Med* 2010; 67:293-300.
- (2) **Anderson HR**, Armstrong B, Hajat S, Harrison R, Monk V, **Poloniecki J** et al. Air pollution and activation of implantable cardioverter defibrillators in London. *Epidemiology* 2010; 21:405-413.
- (3) Asher MI, Stewart AW, Mallol J, Montefort S, Lai CK, Ait-Khaled N, Odhiambo; ISAAC Phase One Study Group (includes **Anderson HR**, **Strachan DP**). Which population level environmental factors are associated with asthma, rhinoconjunctivitis and eczema? Review of the ecological analyses of ISAAC Phase One. *Respir Res* 2010; 11:8.
- (4) Atherton H, **Oakeshott P**, Aghaizu A, Hay P, **Kerry S**. Use of an online questionnaire for follow-up of young female students recruited to a randomised controlled trial of chlamydia screening. *J Epidemiol Community Health* 2010; 64:580-584.
- (5) **Atkinson RW**, Fuller GW, **Anderson HR**, Harrison RM, Armstrong B. Urban ambient particle metrics and health: a time-series analysis. *Epidemiology* 2010; 21:501-511.
- (6) Büchele G, Genuneit J, Weinmayr G, Bjorksten B, Gehring U, von Mutius E ... **Strachan DP** et al. International variations in bronchial responsiveness in children: Findings from ISAAC phase two. *Pediatr Pulmonol* 2010; 45:796-806.
- (7) Burgess S, Thompson SG, Burgess S, Thompson SG, Andrews G, Samani NJ ... **Whincup PH** et al. Bayesian methods for meta-analysis of causal relationships estimated using genetic instrumental variables. *Stat Med* 2010; 29:1298-1311.
- (8) **Cates CJ**, **Lasserson TJ**. Regular treatment with formoterol and an inhaled corticosteroid versus regular treatment with salmeterol and an inhaled corticosteroid for chronic asthma: serious adverse events. *Cochrane.Database.Syst.Rev.*2010 CD007694
- (9) Colville GA, Cream PR, **Kerry SM**. Do parents benefit from the offer of a follow-up appointment after their child's admission to intensive care?: an exploratory randomised controlled trial. *Intensive Crit Care Nurs* 2010; 26:146-153.
- (10) DeWan AT, Triche EW, Xu X, Hsu LI, Zhao C, Belanger K ... **Strachan DP** et al. PDE11A associations with asthma: results of a genome-wide association scan. *J Allergy Clin Immunol* 2010; 126:871-873.
- (11) **Donin AS**, **Nightingale CM**, **Owen CG**, **Rudnicka AR**, McNamara MC, Prynne CJ, **Cook DG**, **Whincup PH**. Nutritional composition of the diets of South Asian, black African-Caribbean and white European children in the United Kingdom: the Child Heart and Health Study in England (CHASE). *Br J Nutr* 2010; 104:276-285.
- (12) **Donin AS**, **Nightingale CM**, **Owen CG**, **Rudnicka AR**, McNamara MC, Prynne CJ, Stephen AM, **Cook DG**, **Whincup PH**. Ethnic differences in blood lipids and dietary intake between UK children of black African, black Caribbean, South Asian, and white European origin: the Child Heart and Health Study in England (CHASE). *Am J Clin Nutr* 2010; 92:776-783.
- (13) Ducharme FM, Ni CM, Greenstone I, **Lasserson TJ**. Addition of long-acting beta2-agonists to inhaled steroids versus higher dose inhaled steroids in adults and children with persistent asthma. *Cochrane.Database.Syst.Rev.*2010 4: CD005533

- (14) Eastwood JB, **Kerry SM**, Plange-Rhule J, Micah FB, Antwi S, Boa FG et al. Assessment of GFR by four methods in adults in Ashanti, Ghana: the need for an eGFR equation for lean African populations. *Nephrol Dial Transplant* 2010; 25:2178-2187.
- (15) Eldridge S, **Kerry S**, Torgerson DJ. Bias in identifying and recruiting participants in cluster randomised trials: what can be done? *BMJ* 2010; 339:36-39.
- (16) Elks CE, Perry JR, Sulem P, Chasman DI, Franceschini N, He C ... **Strachan DP** et al. Thirty new loci for age at menarche identified by a meta-analysis of genome-wide association studies. *Nat Genet* 2010; 42:1077-1085.
- (17) Ellwood P, Asher MI, Stewart AW; ISAAC Phase 3 Study Group (includes **Anderson HR**, **Strachan DP**). The impact of the method of consent on response rates in the ISAAC time trends study. *Int J Tuberc Lung Dis* 2010; 14:1059-1065.
- (18) Falaschetti E, Hingorani AD, Jones A, Charakida M, Finer N, **Whincup P** et al. Adiposity and cardiovascular risk factors in a large contemporary population of pre-pubertal children. *Eur Heart J* 2010; 31:3063-3072.
- (19) Franke A, Balschun T, Sina C, Ellinghaus D, Hasler R, Mayr G ... **Strachan DP** et al. Genome-wide association study for ulcerative colitis identifies risk loci at 7q22 and 22q13 (IL17REL). *Nat Genet* 2010; 42:292-294.
- (20) Freathy RM, Mook-Kanamori DO, Sovio U, Prokopenko I, Timpson NJ, Berry DJ... **Strachan DP** et al. Variants in ADCY5 and near CCNL1 are associated with fetal growth and birth weight. *Nat Genet* 2010; 42:430-435.
- (21) Gallagher H, de Lusignan S, Harris K, **Cates C**. Quality-improvement strategies for the management of hypertension in chronic kidney disease in primary care: a systematic review. *British Journal of General Practice* 2010; 60:436-441.
- (22) Gallagher MM, Guo XH, **Poloniecki J**, Camm AJ. Ventricular pauses during atrial fibrillation predict relapse after electrical cardioversion: a prospective study. *Pacing Clin Electrophysiol* 2010; 33:934-938.
- (23) Hardoon SL, Morris RW, Thomas MC, Wannamethee SG, Lennon LT, **Whincup PH**. Is the recent rise in type 2 diabetes incidence from 1984 to 2007 explained by the trend in increasing BMI?: evidence from a prospective study of British men. *Diabetes Care* 2010; 33:1494-1496.
- (24) Hardoon SL, **Whincup PH**, Wannamethee SG, Lennon LT, Capewell S, Morris RW. Assessing the impact of medication use on trends in major coronary risk factors in older British men: a cohort study. *Eur J Cardiovasc Prev Rehabil* 2010; 17:502-508.
- (25) Heid IM, Jackson AU, Randall JC, Winkler TW, Qi L, Steinthorsdottir V... **Strachan DP** et al. Meta-analysis identifies 13 new loci associated with waist-hip ratio and reveals sexual dimorphism in the genetic basis of fat distribution. *Nat Genet* 2010; 42:949-960.
- (26) Hill LS, **Reid F**, Morgan JF, Lacey JH. SCOFF, the Development of an Eating Disorder Screening Questionnaire. *Int J Eat Disorder* 2010; 43:344-351.
- (27) Hocking LJ, Smith BH, Jones GT, Reid DM, **Strachan DP**, Macfarlane GJ. Genetic variation in the beta2-adrenergic receptor but not catecholamine-O-methyltransferase predisposes to chronic pain: results from the 1958 British Birth Cohort Study. *Pain* 2010; 149:143-151.
- (28) Holt PJ, **Poloniecki JD**, Hofman D, Hinchliffe RJ, Loftus IM, Thompson MM. Re-interventions, Readmissions and Discharge Destination: Modern Metrics for the Assessment of the Quality of Care. *Eur J Vasc Endovasc Surg* 2010; 39:49-54.

- (29) Holt PJ, Gogalniceanu P, Murray S, **Poloniecki JD**, Loftus IM, Thompson MM. Screened individuals' preferences in the delivery of abdominal aortic aneurysm repair. *Br J Surg* 2010; 97:504-510.
- (30) Holt PJ, Karthikesalingam A, **Poloniecki JD**, Hinchliffe RJ, Loftus IM, Thompson MM. Propensity scored analysis of outcomes after ruptured abdominal aortic aneurysm. *Br J Surg* 2010; 97:496-503.
- (31) Jefferis BJ, Lowe GD, Welsh P, Rumley A, Lawlor DA, Ebrahim S ... **Cook DG, Whincup PH** et al. Secondhand smoke (SHS) exposure is associated with circulating markers of inflammation and endothelial function in adult men and women. *Atherosclerosis* 2010; 208:550-556.
- (32) Jefferis BJ, **Whincup P**, Welsh P, Wannamethee G, Rumley A, Lennon L et al. Prospective study of matrix metalloproteinase-9 and risk of myocardial infarction and stroke in older men and women. *Atherosclerosis* 2010; 208:557-563.
- (33) Jefferis BJ, Lawlor DA, Ebrahim S, Wannamethee SG, Feyerabend C, Doig M, McMeakin L, **Cook DG, Whincup PH** et al. Cotinine-assessed second-hand smoke exposure and risk of cardiovascular disease in older adults. *Heart* 2010; 96:854-859.
- (34) Kaptoge S, Di AE, Lowe G, Pepys MB, Thompson SG, Collins R... **Whincup PH** et al. C-reactive protein concentration and risk of coronary heart disease, stroke, and mortality: an individual participant meta-analysis. *Lancet* 2010; 375:132-140.
- (35) Karthikesalingam A, Hinchliffe R, **Poloniecki J**, Loftus I, Thompson M, Holt P. Centralization Harnessing Volume-Outcome Relationships in Vascular Surgery and Aortic Aneurysm Care Should Not Focus Solely on Threshold Operative Caseload. *Vasc Endovascular Surg* 2010.
- (36) Keen DV, **Reid FD**, Arnone D. Autism, ethnicity and maternal immigration. *Br J Psychiatry* 2010; 196:274-281.
- (37) Lango Allen H, Estrada K, Lettre G, Berndt SI, Weedon MN, Rivadeneira F ... **Strachan DP** et al. Hundreds of variants clustered in genomic loci and biological pathways affect human height. *Nature* 2010; 467:832-838.
- (38) Lewis J, Raza S, Pilcher J, Heron C, **Poloniecki JD**. The prevalence of neovascularity in patients clinically diagnosed with rotator cuff tendinopathy. *BMC Musculoskeletal Disorders* 2009; 10:163.
- (39) Marchington D, Malik S, Banerjee A, Turner K, Samuels D, Macaulay V ... **Oakeshott P** et al. Information for genetic management of mtDNA disease: sampling pathogenic mtDNA mutants in the human germline and in placenta. *J Med Genet* 2010; 47:257-261.
- (40) Moffatt MF, Gut IG, Demenais F, **Strachan DP**, Bouzigon E, Heath S et al. A large-scale, consortium-based genomewide association study of asthma. *N Engl J Med* 2010; 363:1211-1221.
- (41) Moxey PW, **Hofman D**, Hinchliffe RJ, Jones K, Thompson MM, Holt PJE. Epidemiological study of lower limb amputation in England between 2003 and 2008. *Br J Surg* 2010; 97:1348-1353.
- (42) Nagel G, Weinmayr G, Kleiner A, Garcia-Marcos L, **Strachan DP**, ISAAC Phase Two Study Group. Effect of diet on asthma and allergic sensitisation in the International Study on Allergies and Asthma in Childhood (ISAAC) Phase Two. *Thorax* 2010; 65:516-522.
- (43) O'Donoghue L, McClelland JF, Logan NS, **Rudnicka AR, Owen CG**, Saunders KJ. Refractive error and visual impairment in school children in Northern Ireland. *Br J Ophthalmol* 2010; 94:1155-1159.

- (44) O'Donoghue L, Saunders KJ, McClelland JF, Logan NS, **Rudnicka AR**, Gilmartin B, **Owen CG**. Sampling and measurement methods for a study of childhood refractive error in a UK population. *Br J Ophthalmol* 2010; 94:1150-1154.
- (45) **Oakeshott P, Kerry S**, Aghaizu A, Atherton H, Hay S, Taylor-Robinson D et al. Randomised controlled trial of screening for Chlamydia trachomatis to prevent pelvic inflammatory disease: the POPI (prevention of pelvic infection) trial. *BMJ* 2010; 340:c1642.
- (46) **Oakeshott P**, Hunt GM, Poulton A, **Reid F**. Expectation of life and unexpected death in open spina bifida: a 40-year complete, non-selective, longitudinal cohort study. *Dev Med Child Neurol* 2010; 52:749-753.
- (47) **Oakeshott P**, Aghaizu A, Hay P, **Reid F, Kerry S**, Atherton H et al. Is Mycoplasma genitalium in Women the "New Chlamydia?" A Community-Based Prospective Cohort Study. *Clin Infect Dis* 2010; 51:1160-1166.
- (48) Ong KK, Elks CE, Li S, Zhao JH, Luan J, Andersen LB ... **Strachan DP** et al. Genetic variation in LIN28B is associated with the timing of puberty. *Nat Genet* 2009; 41:729-733.
- (49) **Owen CG, Carey IM, Shah S, DeWilde S**, Wormald R, **Whincup PH, Cook DG**. Hypotensive medication, statins, and the risk of glaucoma. *Invest Ophthalmol Vis Sci* 2010; 51:3524-3530.
- (50) **Owen CG, Nightingale CM, Rudnicka AR**, Sattar N, **Cook DG, Ekelund U, Whincup PH**. Physical activity, obesity and cardiometabolic risk factors in 9- to 10-year-old UK children of white European, South Asian and black African-Caribbean origin: the Child Heart And health Study in England (CHASE). *Diabetologia* 2010; 53:1620-1630.
- (51) **Owen CG, Nightingale CM, Rudnicka AR**, Ekelund U, McMinn AM, van Sluijs EM, Griffen SJ, **Cook DG, Whincup PH**. Family dog ownership and levels of physical activity in childhood: findings from the Child Heart and Health Study in England. *Am J Public Health* 2010; 100:1669-1671.
- (52) Padmanabhan S, Melander O, Johnson T, Di Blasio AM, Lee WK, Gentilini D ... **Strachan DP** et al. Genome-wide association study of blood pressure extremes identifies variant near UMOD associated with hypertension. *PLoS Genet* 2010; 6:e1001177.
- (53) Power C, Atherton K, **Thomas C**. Maternal smoking in pregnancy, adult adiposity and other risk factors for cardiovascular disease. *Atherosclerosis* 2010; 211:643-648.
- (54) Repapi E, Sayers I, Wain LV, Burton PR, Johnson T, Obeidat M ... **Rudnicka AR, Strachan DP, Whincup PH** et al. Genome-wide association study identifies five loci associated with lung function. *Nat Genet* 2010; 42:36-44.
- (55) Rhodes A, Cecconi M, Hamilton M, **Poloniecki JD**, Woods J, Boyd O et al. Goal-directed therapy in high-risk surgical patients: a 15-year follow-up study. *Intensive Care Med* 2010.
- (56) **Rudnicka AR**, MacCallum PK, Whitelocke R, Meade TW. Circulating markers of arterial thrombosis and late-stage age-related macular degeneration: a case-control study. *Eye (Lond)* 2010; 24:1199-1206.
- (57) **Rudnicka AR, Owen CG, Nightingale CM, Cook DG, Whincup PH**. Ethnic Differences in the Prevalence of Myopia and Ocular Biometry in 10- and 11-Year-Old Children: The Child Heart and Health Study in England (CHASE). *Invest Ophthalmol Vis Sci* 2010; 51:6270-6276.
- (58) Sarwar N, Gao P, Seshasai SR, Gobin R, Kaptoge S, Di AE ... **Whincup PH** et al. Diabetes mellitus, fasting blood glucose concentration, and risk of vascular disease: a collaborative meta-analysis of 102 prospective studies. *Lancet* 2010; 375:2215-2222.

- (59) Sarwar N, Sandhu MS, Ricketts SL, Butterworth AS, Di AE, Boekholdt SM ... **Whincup PH** et al. Triglyceride-mediated pathways and coronary disease: collaborative analysis of 101 studies. *Lancet* 2010; 375:1634-1639.
- (60) **Shah SM, Carey IM, Harris T, DeWilde S, Cook DG**. Calcium supplementation, cardiovascular disease and mortality in older women. *Pharmacoepidemiol Drug Saf* 2010; 19:59-64.
- (61) **Shah SM, Carey IM, Harris T, DeWilde S**, Hubbard R, Lewis S, **Cook DG**. Identifying the clinical characteristics of older people living in care homes using a novel approach in a primary care database. *Age Ageing* 2010; 39:617-623.
- (62) Smith NL, Chen MH, Dehghan A, **Strachan DP**, Basu S, Soranzo N et al. Novel associations of multiple genetic loci with plasma levels of factor VII, factor VIII, and von Willebrand factor: The CHARGE (Cohorts for Heart and Aging Research in Genome Epidemiology) Consortium. *Circulation* 2010; 121:1382-1392.
- (63) Soranzo N, Sanna S, Wheeler E, Gieger C, Radke D, Dupuis J ... **Strachan DP** et al. Common Variants at 10 Genomic Loci Influence Hemoglobin A1C Levels via Glycemic and Nonglycemic Pathways. *Diabetes* 2010; 59:3229-3239.
- (64) Speliotes EK, Willer CJ, Berndt SI, Monda KL, Thorleifsson G, Jackson AU ... **Strachan DP** et al. Association analyses of 249,796 individuals reveal 18 new loci associated with body mass index. *Nat Genet* 2010; 42:937-948.
- (65) Taylor AE, Ebrahim S, Ben-Shlomo Y, Martin RM, **Whincup PH**, Yarnell JW et al. Comparison of the associations of body mass index and measures of central adiposity and fat mass with coronary heart disease, diabetes, and all-cause mortality: a study using data from 4 UK cohorts. *Am J Clin Nutr* 2010; 91:547-556.
- (66) Teslovich TM, Musunuru K, Smith AV, Edmondson AC, Stylianou IM, Koseki M ... **Strachan DP** et al. Biological, clinical and population relevance of 95 loci for blood lipids. *Nature* 2010; 466:707-713.
- (67) **Thomas C**, Power C. Do early life exposures explain associations in mid-adulthood between workplace factors and risk factors for cardiovascular disease? *Int J Epidemiol* 2010; 39:812-824.
- (68) **Thomas C**, Power C. Shift work and risk factors for cardiovascular disease: a study at age 45 years in the 1958 British birth cohort. *Eur J Epidemiol* 2010; 25:305-314.
- (69) Thomas RE, Jefferson T, **Lasserson TJ**. Influenza vaccination for healthcare workers who work with the elderly. *Cochrane.Database.Syst.Rev.* 2010 2: CD005187
- (70) Thompson MR, Tekkis PP, Stamatakis J, Smith JJ, Wood LF, von HM ... **Poloniecki JD** et al. The National Bowel Cancer Audit: the risks and benefits of moving to open reporting of clinical outcomes. *Colorectal Dis* 2010; 12:783-791.
- (71) Timpson NJ, Forouhi NG, Brion MJ, Harbord RM, **Cook DG**, Johnson P ... **Whincup PH** et al. Genetic variation at the SLC23A1 locus is associated with circulating concentrations of L-ascorbic acid (vitamin C): evidence from 5 independent studies with >15,000 participants. *Am J Clin Nutr* 2010; 92:375-382.
- (72) Turk V, Burchell S, Burrha S, Corney R, Elliott S, **Kerry S** et al. An Evaluation of the Implementation of Hand Held Health Records with Adults with Learning Disabilities: A Cluster Randomized Controlled Trial. *Journal of Applied Research in Intellectual Disabilities* 2010; 23:100-111.
- (73) Ussher M, Ibrahim S, **Reid F**, Shaw A, Rowlands G. Psychosocial correlates of health literacy among older patients with coronary heart disease. *J Health Commun* 2010; 15:788-804.

- (74) van Loon JE, Leebeek FW, Deckers JW, Dippel DW, Poldermans D, **Strachan DP** et al. Effect of genetic variations in syntaxin-binding protein-5 and syntaxin-2 on von Willebrand factor concentration and cardiovascular risk. *Circ Cardiovasc Genet* 2010; 3:507-512.
- (75) Viner RM, Fry T, Gupta S, Kinra S, McCarthy D, Saxena S ... **Whincup PH** et al. Insufficient evidence to support separate BMI definitions for obesity in children and adolescents from south Asian ethnic groups in the UK. *Int J Obes (Lond)* 2010; 34:656-658.
- (76) Wannamethee SG, Papacosta O, **Whincup PH**, Carson C, Thomas MC, Lawlor DA et al. Assessing prediction of diabetes in older adults using different adiposity measures: a 7 year prospective study in 6,923 older men and women. *Diabetologia* 2010; 53:890-898.
- (77) Wannamethee SG, Shaper AG, Rumley A, Sattar N, **Whincup PH**, Thomas MC et al. Lung function and risk of type 2 diabetes and fatal and nonfatal major coronary heart disease events: possible associations with inflammation. *Diabetes Care* 2010; 33:1990-1996.
- (78) Waterworth DM, Ricketts SL, Song K, Chen L, Zhao JH, Ripatti S ... **Whincup PH** et al. Genetic variants influencing circulating lipid levels and risk of coronary artery disease. *Arterioscler Thromb Vasc Biol* 2010; 30:2264-2276.
- (79) Weinmayr G, Genuneit J, Nagel G, Bjorksten B, van Hage M, Priftanji A ... **Strachan DP** et al. International variations in associations of allergic markers and diseases in children: ISAAC Phase Two. *Allergy* 2010; 65:766-775.
- (80) Wellcome Trust Case Consortium; ... **Strachan DP**... et al. Genome-wide association study of CNVs in 16,000 cases of eight common diseases and 3,000 shared controls. *Nature* 2010; 464:713-720.
- (81) **Welsh EJ**, Bara A, Barley E, **Cates CJ**. Caffeine for asthma. *Cochrane Database Syst Rev* 2010; CD001112
- (82) **Welsh EJ**, **Cates CJ**, Poole P. Combination inhaled steroid and long-acting beta2-agonist versus tiotropium for chronic obstructive pulmonary disease. *Cochrane Database Syst Rev* 2010; CD007891.
- (83) **Welsh EJ**, **Cates CJ**. Formoterol versus short-acting beta-agonists as relief medication for adults and children with asthma. *Cochrane Database Syst Rev* 2010; CD008418
- (84) **Whincup PH**, **Nightingale CM**, **Owen CG**, **Rudnicka AR**, Gibb I, **McKay CM**, **Donin AS**, **Cook DG**. Early Emergence of Ethnic Differences in Type 2 Diabetes Precursors in the UK: The Child Heart and Health Study in England (CHASE Study). *PLoS Med* 2010; 7:e1000263.

Annex 2: Population Health Research Centre: Journal Publications 2011

- (1) **Aghaizu A**, Adams EJ, Turner K, **Kerry S**, Hay P, Simms I, **Oakeshott P**. What is the cost of pelvic inflammatory disease and how much could be prevented by screening for chlamydia trachomatis? Cost analysis of the Prevention of Pelvic Infection (POPI) trial. *Sex Transm Infect* 2011;87:312-7.
- (2) Assaf N, **Oakeshott P**. Use of, and attitudes to, long-acting reversible contraception in inner London further education college students.[commentary] *Int J STD AIDS* 2011;22:616.
- (3) Baccini M, Kosatsky T, Analitis A, **Anderson HR**, D'Ovidio M, Menne B, Michelozzi P, Biggeri A; PHEWE Collaborative Group. Impact of heat on mortality in 15 European cities: attributable deaths under different weather scenarios. *J Epidemiol Community Health* 2011;65:64-70.
- (4) Barnett-Vanes A, **Oakeshott P**, Musa M, Hay P.[commentary] Antenatal patients' attitudes to HIV testing for their male partners: a cross-sectional questionnaire survey from Uganda. *Sex Transm Infect* 2011;87:291.
- (5) Beasley RW, Clayton TO, Crane J, Lai CK, Montefort SR, Mutius E, Stewart AW; **ISAAC Phase Three Study Group (includes Anderson HR, Strachan DP)**. Acetaminophen use and risk of asthma, rhinoconjunctivitis, and eczema in adolescents: International Study of Asthma and Allergies in Childhood Phase Three. *Am J Respir Crit Care Med* 2011;183:171-8.
- (6) Björkstén B, Ait-Khaled N, Asher MI, Clayton TO, Robertson C; **ISAAC Phase Three Study Group (includes Anderson HR, Strachan DP)**. Global analysis of breast feeding and risk of symptoms of asthma, rhinoconjunctivitis and eczema in 6-7 year old children: ISAAC Phase Three. *Allergol Immunopathol* 2011;39:318-25.
- (7) **Butland BK, Anderson HR, Cates CJ**. Bronchodilator treatment and asthma death: a new analysis of a British case-control study. *Respir Med* 2011;105:549-57.
- (8) **Butland BK**, Ghosh R, **Strachan DP**, Cullinan P, Jarvis D. Job choice and the influence of prior asthma and hay fever. *Occup Environ Med* 2011;68:494-501.
- (9) **C Reactive Protein Coronary Heart Disease Genetics Collaboration (includes Whincup PH)**. Association between C reactive protein and coronary heart disease: mendelian randomisation analysis based on individual participant data. *BMJ* 2011;342:d548.
- (10) **Cates CJ**. Safety of tiotropium [editorial]. *BMJ* 2011;342:d2970.
- (11) Cookson W, Moffatt M, **Strachan DP**. Genetic risks and childhood-onset asthma [review]. *J Allergy Clin Immunol* 2011;128:266-70.
- (12) Cooper PJ, Chico ME, Guadalupe I, Sandoval CA, Mitre E, Platts-Mills TA, Barreto ML, Rodrigues LC, **Strachan DP**, Griffin GE. Impact of early life exposures to geohelminth infections on the development of vaccine immunity, allergic sensitization, and allergic inflammatory diseases in children living in tropical Ecuador: the ECUAVIDA birth cohort study. *BMC Infect Dis* 2011;11:184.
- (13) Dehghan A, Dupuis J, Barbalic M, Bis JC, Eiriksdottir G, Lu C, Pellikka N, Wallaschofski H, Kettunen J, Henneman P, Baumert J, **Strachan DP**, et al. Meta-analysis of genome-wide association studies in >80 000 subjects identifies multiple loci for C-reactive protein levels. *Circulation* 2011;123:731-8.
- (14) Ducharme FM, **Lasserson TJ, Cates CJ**. Addition to inhaled corticosteroids of long-acting beta2-agonists versus anti-leukotrienes for chronic asthma. *Cochrane Database Syst Rev* 2011;5:CD003137.

- (15) Dudina A, Cooney MT, Bacquer DD, Backer GD, Ducimetière P, Jousilahti P, Keil U, Menotti A, Njølstad I, Oganov R, Sans S, Thomsen T, Tverdal A, Wedel H, **Whincup P**, Wilhelmsen L, Conroy R, Fitzgerald A, Graham I; SCORE investigators. Relationships between body mass index, cardiovascular mortality, and risk factors: a report from the SCORE investigators. *Eur J Cardiovasc Prev Rehabil* 2011;18:731-42.
- (16) Effa EE, Lassi ZS, **Critchley JA**, Garner P, Sinclair D, Olliaro PL, Bhutta ZA. Fluoroquinolones for treating typhoid and paratyphoid fever (enteric fever). *Cochrane Database Syst Rev* 2011;10:CD004530.
- (17) Ege MJ, Mayer M, Normand AC, Genuneit J, Cookson WO, Braun-Fahrlander C, Heederik D, Piarroux R, von Mutius E; **GABRIELA Transregio 22 Study Group (includes Strachan DP)**. Exposure to environmental microorganisms and childhood asthma. *N Engl J Med* 2011;364:701-9.
- (18) Ege MJ, **Strachan DP**, Cookson WO, Moffatt MF, ... von Mutius E; GABRIELA Study Group. Gene-environment interaction for childhood asthma and exposure to farming in Central Europe. *J Allergy Clin Immunol* 2011;127:138-44, 144.e1-4.
- (19) Emerging Risk Factors Collaboration, Seshasai SR, Kaptoge S, Thompson A, Di Angelantonio E, Gao P, Sarwar N, **Whincup PH**, Mukamal KJ, Gillum RF, Holme I, Njølstad I, Fletcher A, Nilsson P, Lewington S, Collins R, Gudnason V, Thompson SG, Sattar N, Selvin E, Hu FB, Danesh J. Diabetes mellitus, fasting glucose, and risk of cause-specific death. *N Engl J Med* 2011;364:829-41.
- (20) **Emerging Risk Factors Collaboration (includes Whincup PH)**. Separate and combined associations of body-mass index and abdominal adiposity with cardiovascular disease: collaborative analysis of 58 prospective studies. *Lancet* 2011;377:1085-95.
- (21) Flohr C, Nagel G, Weinmayr G, Kleiner A, **Strachan DP**, Williams HC; ISAAC Phase Two Study Group. Lack of evidence for a protective effect of prolonged breastfeeding on childhood eczema: lessons from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. *Br J Dermatol* 2011;165:1280-9.
- (22) Fox ER, ..., **Whincup PH**, ..., **Hadley D**, ..., **Strachan DP**, ... et al. Association of genetic variation with systolic and diastolic blood pressure among African Americans: the Candidate Gene Association Resource study. *Hum Mol Genet* 2011;20:2273-84.
- (23) Freathy RM, Kazeem GR, Morris RW, Johnson PC, Paternoster L, Ebrahim S, Hattersley AT, Hill A, Hingorani AD, Holst C, Jefferis BJ, Kring SI, Mooser V, Padmanabhan S, Preisig M, Ring SM, Sattar N, Upton MN, Vollenweider P, Waeber G, Sørensen TI, Frayling TM, Watt G, Lawlor DA, **Whincup PH**, Tozzi F, Davey Smith G, Munafò M. Genetic variation at CHRNA5-CHRNA3-CHRNA4 interacts with smoking status to influence body mass index. *Int J Epidemiol* 2011;40:1617-1628.
- (24) Genuneit J, Büchele G, Waser M, Kovacs K, Debinska A, Boznanski A, Strunz-Lehner C, Horak E, Cullinan P, Heederik D, Braun-Fahrlander C, von Mutius E; **GABRIELA Study Group (includes Strachan DP)**. The GABRIEL Advanced Surveys: study design, participation and evaluation of bias. *Paediatr Perinat Epidemiol* 2011;25:436-47.
- (25) Hardoon SL, **Whincup PH**, Petersen I, Capewell S, Morris RW. Trends in longer-term survival following an acute myocardial infarction and prescribing of evidenced-based medications in primary care in the UK from 1991: a longitudinal population-based study. *J Epidemiol Community Health* 2011;65:770-4.
- (26) **Harris T, Shah SM, Carey IM, DeWilde S, Cook DG**. Depression indicators in a national sample of older community and care home patients: applying the Quality and Outcomes Framework. *Br J Gen Pract* 2011;61:135-8.

- (27) International Consortium for Blood Pressure Genome-Wide Association Studies, ..., **Whincup PH**, ... , **Hadley D**, ... , **Strachan DP**, ... et al. Genetic variants in novel pathways influence blood pressure and cardiovascular disease risk. *Nature* 2011;478:103-9.
- (28) Janssen NA, Hoek G, **Simic-Lawson M**, Fischer P, van Bree L, Ten Brink H, Keuken M, **Atkinson RW**, **Anderson HR**, Brunekreef B, Cassee FR. Black Carbon as an Additional Indicator of the Adverse Health Effects of Airborne Particles Compared with PM10 and PM2.5. *Environ Health Perspect* 2011;119:1691-9.
- (29) Jefferis BJ, Papacosta O, **Owen CG**, Wannamethee SG, Humphries SE, Woodward M, Lennon LT, Thomson A, Welsh P, Rumley A, Lowe GD, **Whincup PH**. Interleukin 18 and coronary heart disease: prospective study and systematic review. *Atherosclerosis* 2011;217:227-33.
- (30) Jefferis BJ, **Whincup PH**, Welsh P, Wannamethee SG, Rumley A, Lawlor DA, Ebrahim S, Lowe GD. Prospective study of circulating soluble CD40 ligand concentrations and the incidence of cardiovascular disease in a nested prospective case-control study of older men and women. *J Thromb Haemost* 2011;9:1452-9.
- (31) Jesuratnam G, **Oakeshott P**, Mukherjee R. Alcohol and pregnancy. *Br J Gen Pract* 2011;61:719.
- (32) Johnson T, ..., **Whincup PH**,...; **The Global BPgen Consortium (includes Strachan DP)**,... et al. Blood Pressure Loci Identified with a Gene-Centric Array. *Am J Hum Genet* 2011;89:688-700.
- (33) Jones IR, Papacosta O, **Whincup PH**, Wannamethee SG, Morris RW. Class and lifestyle 'lock-in' among middle-aged and older men: a Multiple Correspondence Analysis of the British Regional Heart Study. *Sociol Health Illness* 2011;33:399-419.
- (34) Jones LL, Hashim A, McKeever T, **Cook DG**, Britton J, Leonardi-Bee J. Parental and household smoking and the increased risk of bronchitis, bronchiolitis and other lower respiratory infections in infancy: systematic review and meta-analysis. *Respir Res* 2011;12:5.
- (35) **Karner C**, **Cates CJ**. Combination inhaled steroid and long-acting beta(2)-agonist in addition to tiotropium versus tiotropium or combination alone for chronic obstructive pulmonary disease. *Cochrane Database Syst Rev* 2011;3:CD008532.
- (36) **Karner C**, **Cates CJ**. The effect of adding inhaled corticosteroids to tiotropium and long-acting beta(2)-agonists for chronic obstructive pulmonary disease. *Cochrane Database Syst Rev* 2011;9:CD009039.
- (37) Kelly F, **Anderson HR**, Armstrong B, **Atkinson R**, Barratt B, Beevers S, Derwent D, Green D, Mudway I, Wilkinson P; HEI Health Review Committee. The impact of the congestion charging scheme on air quality in London. Part 1. Emissions modeling and analysis of air pollution measurements. *Res Rep Health Eff Inst* 2011;155:5-71.
- (38) Kelly F, **Anderson HR**, Armstrong B, **Atkinson R**, Barratt B, Beevers S, Derwent D, Green D, Mudway I, Wilkinson P; HEI Health Review Committee. The impact of the congestion charging scheme on air quality in London. Part 2. Analysis of the oxidative potential of particulate matter. *Res Rep Health Eff Inst* 2011;155:73-144.
- (39) Kelly F, Armstrong B, **Atkinson R**, **Anderson R**, Barratt B, Beevers S, **Cook D**, Green D, Derwent D, Mudway I, Wilkinson P. The London Low Emission Zone Baseline Study. *Health Effects Institute Report 163*. Boston, Massachusetts, 2011. (Available from: <http://pubs.healtheffects.org/view.php?id=366>)
- (40) Lawlor DA, Kim L, Morris R, Amuzu A, **Whincup P**, Ebrahim S. Survival with treated and well-controlled blood pressure: findings from a prospective cohort study. *PLoS One* 2011;6:e17792.

- (41) Logan NS, Shah P, **Rudnicka AR**, Gilmartin B, **Owen CG**. Childhood ethnic differences in ametropia and ocular biometry: the Aston Eye Study. *Ophthalmic Physiol Opt* 2011;31:550-8.
- (42) Loss G, Apprich S, Waser M, Kneifel W, Genuneit J, Büchele G, Weber J, Sozanska B, Danielewicz H, Horak E, van Neerven RJ, Heederik D, Lorenzen PC, von Mutius E, Braun-Fahrländer C; **GABRIELA study group (includes Strachan DP)**. The protective effect of farm milk consumption on childhood asthma and atopy: the GABRIELA study. *J Allergy Clin Immunol* 2011;128:766-773.e4.
- (43) Malkawi AH, Resch TA, Bown MJ, Manning BJ, **Poloniecki JD**, Nordon IM, Loftus IM, Thompson MM, Hinchliffe RJ. Sizing fenestrated aortic stent-grafts. *Eur J Vasc Endovasc Surg* 2011;41:311-6.
- (44) McMinn AM, van Sluijs EM, **Nightingale CM**, Griffin SJ, **Cook DG**, **Owen CG**, **Rudnicka AR**, **Whincup PH**. Family and home correlates of children's physical activity in a multi-ethnic population: the cross-sectional Child Heart and Health Study in England (CHASE). *Int J Behav Nutr Phys Act* 2011;8:11.
- (45) **Nightingale CM**, **Rudnicka AR**, **Owen CG**, **Cook DG**, **Whincup PH**. Patterns of body size and adiposity among UK children of South Asian, black African-Caribbean and white European origin: Child Heart And health Study in England (CHASE Study). *Int J Epidemiol* 2011;40:33-44.
- (46) O'Donoghue L, **Rudnicka AR**, McClelland JF, Logan NS, **Owen CG**, Saunders KJ. Refractive and corneal astigmatism in white school children in Northern Ireland. *Invest Ophthalmol Vis Sci* 2011;52:4048-53.
- (47) **Oakeshott P**, Ahmed J, Hay PE, **Reid F**, **Kerry SR**, **Aghaizu A**, Tong CY. *Trichomonas vaginalis* among multiethnic female UK students.[commentary] *Sex Transm Infect* 2011;87:369.
- (48) Obeidat M, ..., **Rudnicka AR**, ..., **Strachan DP**, Tobin MD, Sayers I, Hall IP; SpiroMeta Consortium. A comprehensive evaluation of potential lung function associated genes in the SpiroMeta general population sample. *PLoS One* 2011;6:e19382.
- (49) **Ovaisi S**, **Ibison J**, **Leontowitsch M**, Cloud G, **Oakeshott P**, **Kerry S**. Stroke patients' perceptions of home blood pressure monitoring: a qualitative study. *Br J Gen Pract* 2011;61:604-10.
- (50) **Owen CG**. [Commentary] Effect of initial breastfeeding on cardiovascular risk in later life--a perspective from lower-middle-income countries. *Int J Epidemiol* 2011;40:62-4.
- (51) **Owen CG**, **Rudnicka AR**, **Nightingale CM**, Mullen R, Barman SA, Sattar N, **Cook DG**, **Whincup PH**. Retinal arteriolar tortuosity and cardiovascular risk factors in a multi-ethnic population study of 10-year-old children; the Child Heart and Health Study in England (CHASE). *Arterioscler Thromb Vasc Biol* 2011;31:1933-8.
- (52) **Owen CG**, **Whincup PH**, **Cook DG**. Breast-feeding and cardiovascular risk factors and outcomes in later life: evidence from epidemiological studies. *Proc Nutr Soc* 2011;70:478-84.
- (53) Paternoster L, ..., **Strachan DP**, Martin NG, Jarvelin MR, Heinrich J, Evans DM; the EARly Genetics & Lifecourse Epidemiology (EAGLE) Consortium, Weidinger S. Meta-analysis of genome-wide association studies identifies three new risk loci for atopic dermatitis. *Nat Genet* 2011; 44:187-192.
- (54) Peacock JL, **Anderson HR**, Bremner SA, Marston L, Seemungal TA, **Strachan DP**, Wedzicha JA. Outdoor air pollution and respiratory health in patients with COPD. *Thorax* 2011;66:591-6.

- (55) Power C, **Thomas C**. Changes in BMI, duration of overweight and obesity, and glucose metabolism: 45 years of follow-up of a birth cohort. *Diabetes Care* 2011;34:1986-91.
- (56) Ramasamy A, Curjuric I, Coin LJ, Kumar A, McArdle WL, Imboden M, Leynaert B, Kogevinas M, Schmid-Grendelmeier P, Pekkanen J, Wjst M, Bircher AJ, Sovio U, Rochat T, Hartikainen AL, Balding DJ, Jarvelin MR, Probst-Hensch N, **Strachan DP**, Jarvis DL. A genome-wide meta-analysis of genetic variants associated with allergic rhinitis and grass sensitization and their interaction with birth order. *J Allergy Clin Immunol* 2011;128:996-1005.
- (57) Ramsay SE, Morris RW, **Whincup PH**, Papacosta AO, Thomas MC, Wannamethee SG. Prediction of coronary heart disease risk by Framingham and SCORE risk assessments varies by socioeconomic position: results from a study in British men. *Eur J Cardiovasc Prev Rehabil* 2011;18:186-93.
- (58) Ramsay SE, **Whincup PH**, Hardoon SL, Lennon LT, Morris RW, Wannamethee SG. Social class differences in secular trends in established coronary risk factors over 20 years: a cohort study of British men from 1978-80 to 1998-2000. *PLoS One* 2011;6:e19742.
- (59) Ramsay SE, **Whincup PH**, Lennon LT, Morris RW, Wannamethee SG. Longitudinal associations of socioeconomic position in childhood and adulthood with decline in lung function over 20 years: results from a population-based cohort of British men. *Thorax* 2011;66:1058-64.
- (60) Rodriguez S, **Cook DG**, Gaunt TR, **Nightingale CM**, **Whincup PH**, Day IN. Combined analysis of CHRNA5, CHRNA3 and CYP2A6 in relation to adolescent smoking behaviour. *J Psychopharmacol* 2011;25:915-23.
- (61) **Rudnicka AR**, Rumley A, **Whincup PH**, Lowe GD, **Strachan DP**. Sex differences in the relationship between inflammatory and hemostatic biomarkers and metabolic syndrome: British 1958 Birth Cohort. *J Thromb Haemost* 2011;9:2337-44.
- (62) Shah S, ... **Whincup PH**, ...et al. Four Genetic Loci Influencing Electrocardiographic Indices of Left Ventricular Hypertrophy. *Circ Cardiovasc Genet* 2011;4:626-635.
- (63) **Shah SM**, **Carey IM**, **Harris T**, **DeWilde S**, **Cook DG**. Antipsychotic prescribing to older people living in care homes and the community in England and Wales. *Int J Geriatric Psych* 2011;26:423-34.
- (64) **Shah SM**, **Carey IM**, **Harris T**, **Dewilde S**, **Cook DG**. Quality of chronic disease care for older people in care homes and the community in a primary care pay for performance system: retrospective study. *BMJ* 2011;342:d912.
- (65) **Shah SM**, **Carey IM**, **Owen CG**, **Harris T**, **Dewilde S**, **Cook DG**. Does β -adrenoceptor blocker therapy improve cancer survival? Findings from a population-based retrospective cohort study. *Br J Clin Pharmacol* 2011;72:157-61.
- (66) Shaw J, **Kerry S**, Adjei-Gyamfi Y, **Tulloch J**, **Coster D**, Sharma S, **Oakeshott P**. Are stroke patients' reports of home blood pressure readings reliable? Cross-sectional study. *Fam Pract* 2011;28:118-22.
- (67) Sidhu SK, Pau N, Sidhu JS, **Oakeshott P**. Use of skin lightening creams. Survey in a UK general practice [commentary]. *BMJ* 2011;342:d1326.
- (68) Smith NL, Huffman JE, **Strachan DP**, ..., **Rudnicka AR**,... et al. Genetic predictors of fibrin D-dimer levels in healthy adults. *Circulation* 2011;123:1864-72.
- (69) Smith NL, Rice KM, Bovill EG, Cushman M, Bis JC, McKnight B, Lumley T, Glazer NL, van Hylckama Vlieg A, Tang W, Dehghan A, **Strachan DP**, O'Donnell CJ, Rotter JI, Heckbert SR, Psaty BM, Rosendaal FR. Genetic variation associated with plasma von Willebrand factor levels and the risk of incident venous thrombosis. *Blood* 2011;117:6007-11.

- (70) Soler Artigas M, ..., **Whincup PH**, ... **Rudnicka AR**, ..., **Strachan DP**, London SJ, Hall IP, Gudnason V, Tobin MD. Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. *Nat Genet* 2011;43:1082-90.
- (71) Soler Artigas M, ..., **Whincup PH**,...; **SpiroMeta Consortium (includes Strachan DP)**. Effect of five genetic variants associated with lung function on the risk of chronic obstructive lung disease, and their joint effects on lung function. *Am J Respir Crit Care Med*. 2011;184:786-95.
- (72) Spencer S, **Karner C**, **Cates CJ**, Evans DJ. Inhaled corticosteroids versus long-acting beta(2)-agonists for chronic obstructive pulmonary disease. *Cochrane Database Syst Rev* 2011;12:CD007033.
- (73) Wain LV, ..., **Strachan DP**, ... EchoGen consortium; AortaGen Consortium; CHARGE Consortium Heart Failure Working Group; KidneyGen consortium; CKDGen consortium; Cardiogenics consortium; CardioGram. Genome-wide association study identifies six new loci influencing pulse pressure and mean arterial pressure. *Nat Genet* 2011;43:1005-11.
- (74) Wan YI, **Strachan DP**, Evans DM, Henderson J, McKeever T, Holloway JW, Hall IP, Sayers I. A genome-wide association study to identify genetic determinants of atopy in subjects from the United Kingdom. *J Allergy Clin Immunol* 2011;127:223-31, 231.e1-3.
- (75) Wannamethee SG, Papacosta O, **Whincup PH**, Thomas MC, Carson C, Lawlor DA, Ebrahim S, Sattar N. The potential for a two-stage diabetes risk algorithm combining non-laboratory-based scores with subsequent routine non-fasting blood tests: results from prospective studies in older men and women. *Diabet Med* 2011;28:23-30.
- (76) Wannamethee SG, Shaper AG, **Whincup PH**, Lennon L, Sattar N. Impact of diabetes on cardiovascular disease risk and all-cause mortality in older men: influence of age at onset, diabetes duration, and established and novel risk factors. *Arch Intern Med* 2011;171:404-10.
- (77) Wannamethee SG, Shaper AG, **Whincup PH**, Lennon L, Sattar N. Obesity and risk of incident heart failure in older men with and without pre-existing coronary heart disease: does leptin have a role? *J Am Coll Cardiol* 2011;58:1870-7.
- (78) Wannamethee SG, Welsh P, Lowe GD, Gudnason V, Di Angelantonio E, Lennon L, Rumley A, **Whincup PH**, Sattar N. N-terminal pro-brain natriuretic Peptide is a more useful predictor of cardiovascular disease risk than C-reactive protein in older men with and without pre-existing cardiovascular disease. *J Am Coll Cardiol* 2011;58:56-64.
- (79) Wannamethee SG, Welsh P, **Whincup PH**, Sawar N, Thomas MC, Gudnarsson V, Sattar N. High adiponectin and increased risk of cardiovascular disease and mortality in asymptomatic older men: does NT-proBNP help to explain this association? *Eur J Cardiovasc Prev Rehabil* 2011;18:65-71.
- (80) Welsh EJ, Hasan M, Li P. Home-based educational interventions for children with asthma. *Cochrane Database Syst Rev* 2011;10:CD008469.
- (81) Zabaneh D, Gaunt TR, Kumari M, Drenos F, Shah S, Berry D, Power C, Hypponen E, Shah T, Palmen J, Pallas J, Talmud PJ, Casas JP, Sofat R, Lowe G, Rumley A, Morris RW, **Whincup PH**, Rodriguez S, Ebrahim S, Marmot MG, Smith GD, Lawlor DA, Kivimaki M, Whittaker J, Hingorani AD, Day IN, Humphries SE. Genetic variants associated with Von Willebrand factor levels in healthy men and women identified using the HumanCVD BeadChip. *Ann Hum Genet* 2011;75:456-67.

Annex 3: Population Health Research Centre: Journal Publications 2012

- (1) **Anderson HR, Butland BK**, van Donkelaar A, Brauer M, **Strachan DP**, Clayton T, van Dingenen R, Amann M, Brunekreef B, Cohen A, Dentener F, Lai C, Lamsal LN, Martin RV. Satellite-based Estimates of Ambient Air Pollution and Global Variations in Childhood Asthma Prevalence. *Environ Health Perspect* 2012;120:1333-9. PMID:22548921.
- (2) Angelakopoulou A, Shah T, Sofat R, ... **Whincup PH**, ... Hingorani AD. Comparative analysis of genome-wide association studies signals for lipids, diabetes, and coronary heart disease: Cardiovascular Biomarker Genetics Collaboration. *Eur Heart J* 2012;33:393-407. PMID:21804106
- (3) Asher MI, Stewart AW, Wong G, **Strachan DP**, García-Marcos L, **Anderson HR**; the ISAAC Phase Three Study Group. Changes over time in the relationship between symptoms of asthma, rhinoconjunctivitis and eczema: A global perspective from the International Study of Asthma and Allergies in Childhood (ISAAC). *Allergol Immunopathol* 2012;40:267-74 PMID:22297190.
- (4) **Atkinson RW**, Cohen A, Mehta S, **Anderson HR**. Systematic review and meta-analysis of epidemiological time-series studies on outdoor air pollution and health in Asia. *Air Quality Atmosphere and Health* 2012;5:383-91. doi:10.1007/s11869-010-0123-2. [Not in PubMed].
- (5) **Atkinson RW**, Yu D, Armstrong BG, Pattenden S, Wilkinson P, Doherty RM, Heal MR, **Anderson HR**. Concentration-response function for ozone and daily mortality: results from five urban and five rural U.K. populations. *Environ Health Perspect* 2012;120:1411-7. PMID: 22814173; PMCID: PMC3491921.
- (6) Baishnab E, **Karner C**. Primary care based clinics for asthma. *Cochrane Database Syst Rev* 2012, Issue 4. Art. No.: CD003533. DOI: 10.1002/14651858.CD003533.pub2.
- (7) Blackhall K, Appleton S, **Cates CJ**. Ionisers for chronic asthma. *Cochrane Database Syst Rev*. 2012 Sep 12;9:CD002986. doi: 10.1002/14651858.CD002986.pub2.
- (8) Bowman S, Unwin N, **Critchley J**, Capewell S, Hussein A, Maziak W, Zaman S, Ben Romdhane H, Fouad F, Phillimore P, Unal B, Khatib R, Shoaibi A, Ahmad B. Use of evidence to support healthy public policy: a policy effectiveness-feasibility loop. *Bull World Health Organ* 2012;90:847-53. PMID: 2322689; PMCID: PMC3506406.
- (9) Brown N, **Critchley J**, Bogowicz P, Mayige M, Unwin N. Risk scores based on self-reported or available clinical data to detect undiagnosed Type 2 Diabetes: A systematic review. *Diabetes Res Clin Pract* 2012;98:369-85. PMID: 23010559.
- (10) Brunekreef B, Von Mutius E, Wong GK, Odhiambo JA, Clayton TO; **ISAAC Phase Three Study Group (includes Anderson HR, Strachan DP)**. Early life exposure to farm animals and symptoms of asthma, rhinoconjunctivitis and eczema: an ISAAC Phase Three Study. *Int J Epidemiol* 2012;41:753-61. PMID:22287135.
- (11) Brunekreef B, Von Mutius E, Wong G, Odhiambo J, García-Marcos L, Foliaki S; **ISAAC Phase Three Study Group (includes Anderson HR, Strachan DP)**. Exposure to cats and dogs, and symptoms of asthma, rhinoconjunctivitis, and eczema. *Epidemiology* 2012;23:742-50. PMID:22828662.
- (12) Burke H, Leonardi-Bee J, Hashim A, Pine-Abata H, Chen Y, **Cook DG**, Britton JR, McKeever TM. Prenatal and passive smoke exposure and incidence of asthma and wheeze: systematic review and meta-analysis. *Pediatrics* 2012;129:735-44. PMID:22430451.
- (13) Caleyachetty R, **Rudnicka AR**, Echouffo-Tcheugui JB, Siegel KR, Richards N, **Whincup PH**. Prevalence of overweight, obesity and thinness in 9-10 year old children in Mauritius. *Global Health* 2012;8:28. PMID:22823949

- (14) **Carey IM, DeWilde S, Shah SM, Harris T, Whincup PH, Cook DG.** Statin use after first myocardial infarction in UK men and women from 1997 to 2006: Who started and who continued treatment? *Nutr Metab Cardiovasc Dis* 2012;22:400-8. PMID:21194912
- (15) **Cates C.** Inhaled corticosteroids in COPD: quantifying risks and benefits. *Thorax*. 2012 Dec 15. doi: 10.1136/thoraxjnl-2012-202959.
- (16) **Cates C.** The safety of regular long-acting beta(2)-agonists in children with asthma: an overview of Cochrane reviews. *Paediatr Respir Rev* 2012 Nov 21. pii: S1526-0542(12)00088-7. doi: 10.1016/j.prrv.2012.10.002.
- (17) **Cates CJ, Cates MJ.** Regular treatment with formoterol for chronic asthma: serious adverse events. *Cochrane Database Syst Rev*. 2012 Apr 18;4:CD006923. doi: 10.1002/14651858.CD006923.pub3.
- (18) **Cates CJ, Lasserson TJ.** Regular treatment with formoterol versus regular treatment with salmeterol for chronic asthma: serious adverse events. *Cochrane Database Syst Rev*. 2012 Mar 14;3:CD007695. doi: 10.1002/14651858.CD007695.pub3.
- (19) **Cates CJ, Oleszczuk M, Stovold E, Wieland LS.** Safety of regular formoterol or salmeterol in children with asthma: an overview of Cochrane reviews. *Cochrane Database Syst Rev*. 2012 Oct 17;10:CD010005. doi: 10.1002/14651858.CD010005.pub2.
- (20) Chong J, **Karner C**, Poole P. Tiotropium versus long-acting beta-agonists for stable chronic obstructive pulmonary disease. *Cochrane Database Syst Rev* 2012, Issue 9. Art. No.: CD009157. DOI: 10.1002/14651858.CD009157.pub2.
- (21) Corris V, Unwin N, **Critchley J.** Quantifying the association between tuberculosis and diabetes in the US: a case-control analysis. *Chronic Illness* 2012;8:121-34. PMID:22387690.
- (22) Dennis JA, **Cates CJ.** Alexander technique for chronic asthma. *Cochrane Database Syst Rev*. 2012 Sep 12;9:CD000995. doi: 10.1002/14651858.CD000995.pub2.
- (23) Edmonds ML, **Milan SJ**, Brenner BE, Camargo CA Jr, Rowe BH. Inhaled steroids for acute asthma following emergency department discharge. *Cochrane Database Syst Rev* 2012 Dec 12;12:CD002316. doi: 10.1002/14651858.CD002316.pub2. PMID:23235590.
- (24) Edmonds ML, **Milan SJ**, Camargo CA Jr, Pollack CV, Rowe BH. Early use of inhaled corticosteroids in the emergency department treatment of acute asthma. *Cochrane Database Syst Rev* 2012 Dec 12;12:CD002308. doi: 10.1002/14651858.CD002308.pub2. PMID: 23235589.
- (25) Ellis J, Green R, **Kerry SR**, Jesuratnam G, Rajamanoharan A, Patel R, Dominise C, Dave S, Stephenson JM, **Oakeshott P.** Acceptability of providing self-taken vaginal samples and allowing access to NHS numbers and medical records: feasibility study in young female genitourinary medicine clinic attenders. *Sex Transm Infect* 2012;88:300. PMID: 22457315
- (26) Ellwood P, Asher MI, Stewart AW, Ait-Khaled N, Mallol J, **Strachan D; ISAAC Phase III Time Trends Study Group (includes Anderson HR).** The challenges of replicating the methodology between Phases I and III of the ISAAC programme. *Int J Tuberc Lung Dis* 2012;16:687-93. PMID:22507933.
- (27) Flohr C, Nagel G, Weinmayr G, Kleiner A, Williams HC, Ait-Khaled N, **Strachan DP;** the ISAAC Phase Two Study Group. Tuberculosis, bacillus Calmette-Guérin vaccination, and allergic disease: Findings from the International Study of Asthma and Allergies in Childhood Phase Two. *Pediatr Allergy Immunol* 2012;23:324-31. PMID:22192272.

- (28) Fraz MM, Barman SA, Remagnino P, Hoppe A, Basit A, Uyyanonvara B, **Rudnicka AR, Owen CG**. An approach to localize the retinal blood vessels using bit planes and centerline detection. *Comput Methods Programs Biomed* 2012;108:600-16. PMID:21963241
- (29) Fraz MM, Remagnino P, Hoppe A, Uyyanonvara B, **Rudnicka AR, Owen CG**, Barman SA. An ensemble classification-based approach applied to retinal blood vessel segmentation. *IEEE Trans Biomed Eng* 2012;59:2538-48. PMID:22736688
- (30) Fraz MM, Remagnino P, Hoppe A, Uyyanonvara B, **Rudnicka AR, Owen CG**, Barman SA. Blood vessel segmentation methodologies in retinal images--a survey. *Comput Methods Programs Biomed* 2012;108:407-433. PMID:22525589
- (31) Ghebre MA, Wannamethee SG, Rumley A, **Whincup PH**, Lowe GD, Morris RW. Prospective study of seasonal patterns in hemostatic factors in older men and their relation to excess winter coronary heart disease deaths. *J Thromb Haemost* 2012;10:352-8. PMID:22235876
- (32) Gouda HN, **Critchley J**, Powles J, Capewell S. Why choice of metric matters in public health analyses: a case study of the attribution of credit for the decline in coronary heart disease mortality in the US and other populations. *BMC Public Health* 2012;12:88. PMID: 22284813;PMCID: PMC3305465.
- (33) Gowers AM, Cullinan P, Ayres JG, **Anderson HR, Strachan DP**, Holgate ST, Mills IC, Maynard RL. Does outdoor air pollution induce new cases of asthma? Biological plausibility and evidence; a review. *Respirology* 2012;17:887-898. PMID: 22672711.
- (34) Granada M, Wilk JB, Tuzova M, **Strachan DP**, Weidinger S, Albrecht E, Gieger C, Heinrich J, Himes BE, Hunninghake GM, Celedón JC, Weiss ST, Cruikshank WW, Farrer LA, Center DM, O'Connor GT. A genome-wide association study of plasma total IgE concentrations in the Framingham Heart Study. *J Allergy Clin Immunol* 2012;129:840-845.e211. PMID: 22075330.
- (35) Green R, **Kerry SR, Reid F**, Hay PE, Kerry SM, Aghaizu A, **Oakeshott P**. Where do sexually active female London students go to access healthcare? Evidence from the POPI (Prevention of Pelvic Infection) chlamydia screening trial. *Sex Transm Infect* 2012;88:382-5. PMID: 22416267
- (36) Hancock DB, Artigas MS, Gharib SA, ... **Strachan DP**, ... Tobin MD, London SJ. Genome-Wide Joint Meta-Analysis of SNP and SNP-by-Smoking Interaction Identifies Novel Loci for Pulmonary Function. *PLoS Genet* 2012;8:e1003098. PMID:23284291; PMCID:PMC3527213.
- (37) Hardoon SL, Morris RW, **Whincup PH**, Shipley MJ, Britton AR, Masset G, Stringhini S, Sabia S, Kivimaki M, Singh-Manoux A, Brunner EJ. Rising adiposity curbing decline in the incidence of myocardial infarction: 20-year follow-up of British men and women in the Whitehall II cohort. *Eur Heart J* 2012;33:478-85. PMID:21653562
- (38) **Harris T, Carey IM, Shah SM, DeWilde S, Cook DG**. Antidepressant prescribing in older primary care patients in community and care home settings in England and Wales. *J Am Med Dir Assoc* 2012;13:41-47.PMID:21450211
- (39) Henschel S, **Atkinson R**, Zeka A, Le Tertre A, Analitis A, Katsouyanni K, Chanel O, Pascal M, Forsberg B, Medina S, Goodman PG. Air pollution interventions and their impact on public health. *Int J Public Health* 2012;57:757-68. PMID:22592907
- (40) Herzog SA, Althaus CL, Heijne JC, **Oakeshott P**, Kerry S, Hay P, Low N. Timing of progression of Chlamydia trachomatis infection to pelvic inflammatory disease: a mathematical modelling study. *BMC Infect Dis* 2012;12:187. PMID:22883325
- (41) Hingorani AD, Sofat R, Morris RW, **Whincup P**, Lowe GD, Mindell J, Sattar N, Casas JP, Shah T. Is it important to measure or reduce C-reactive protein in people at risk of cardiovascular disease? *Eur Heart J* 2012;33:2258-64. PMID:22766581

- (42) Holt PJ, Karthikesalingam A, **Hofman D, Poloniecki JD**, Hinchliffe RJ, Loftus IM, Thompson MM. Provider volume and long-term outcome after elective abdominal aortic aneurysm repair. *Br J Surg* 2012;99:666-72. PMID: 22344599.
- (43) Holt PJ, **Poloniecki JD**, Thompson MM. Multicentre study of the quality of a large administrative data set and implications for comparing death rates. *Br J Surg* 2012;99:58-65. PMID:21994091.
- (44) Howell-Jones R, de Silva N, Akpan M, **Oakeshott P**, Carder C, Coupland L, Sillis M, Mallinson H, Ellis V, Frodsham D, Robinson TI, Gill ON, Beddows S, Soldan K. Prevalence of human papillomavirus (HPV) infections in sexually active adolescents and young women in England, prior to widespread HPV immunisation.. *Vaccine* 2012;30:3867-75. PMID: 22516212
- (45) Illi S, Depner M, Genuneit J, Horak E, Loss G, Strunz-Lehner C, Büchele G, Boznanski A, Danielewicz H, Cullinan P, Heederik D, Braun-Fahrlander C, von Mutius E; **GABRIELA Study Group (includes Strachan DP)**. Protection from childhood asthma and allergy in Alpine farm environments-the GABRIEL Advanced Studies. *J Allergy Clin Immunol* 2011;129:1470-7.e6. PMID: 22534534.
- (46) Imboden M, Bouzigon E, Curjuric I, ... **Strachan DP**, ... Probst-Hensch NM. Genome-wide association study of lung function decline in adults with and without asthma. *J Allergy Clin Immunol* 2012;129:1218-28. PMID:22424883; PMCID:PMC3340499.
- (47) Jefferis BJ, **Whincup PH**, Lennon L, Wannamethee SG. Longitudinal associations between changes in physical activity and onset of type 2 diabetes in older British men: the influence of adiposity. *Diabetes Care* 2012;35:1876-83. PMID:22751959
- (48) Jones LL, Hassanien A, **Cook DG**, Britton J, Leonardi-Bee J. Parental Smoking and the Risk of Middle Ear Disease in Children: A Systematic Review and Meta-analysis. *Arch Pediatr Adolesc Med.* 2012;16:18-27. PMID:21893640.
- (49) Jostins L, Ripke S, Weersma RK, **International IBD Genetics Consortium (includes Strachan DP as named collaborator)**, Cho JH. Host-microbe interactions have shaped the genetic architecture of inflammatory bowel disease. *Nature* 2012;491:119-24. PMID:23128233; PMCID:PMC3491803.
- (50) Kaptoge S, Di AE, Pennells L, Wood AM, ... **Whincup PH**, ... Danesh J. C-reactive protein, fibrinogen, and cardiovascular disease prediction. *N Engl J Med* 2012;367:1310-20. PMID:23034020
- (51) **Karner C, Cates CJ**. Long-acting beta(2)-agonist in addition to tiotropium versus either tiotropium or long-acting beta(2)-agonist alone for chronic obstructive pulmonary disease. *Cochrane Database Syst Rev.* 2012 Apr 18;4:CD008989. doi: 10.1002/14651858.CD008989.pub2.
- (52) **Karner C**, Chong J, Poole P. Tiotropium versus placebo for chronic obstructive pulmonary disease. *Cochrane Database Syst Rev* 2012, Issue 7. Art. No.: CD009285. DOI: 10.1002/14651858.CD009285.pub2.
- (53) Karthikesalingam A, Kumar S, Anandarajah JJ, Hinchliffe RJ, **Poloniecki JD**, Thompson MM, Holt PJ. Predictive value of peak systolic velocity for the development of graft limb complications after endovascular aneurysm repair. *J Endovasc Ther* 2012;19:428-33. PMID: 22788897.
- (54) Lim SS, Vos T, Flaxman AD ... **Anderson HR** ... Lopez AD, Murray CJ, Ezzati M. A comparative risk assessment of burden of disease and injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet* 2012;380:2224-60. PMID: 23245609.

- (55) Lozano R, Naghavi M, Foreman K **Anderson HR** ... Lopez AD, Murray CJ. Global and regional mortality from 235 causes of death for 20 age groups in 1990 and 2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet* 2012;380:2095-128. PMID: 23245604.
- (56) Masi S, **Nightingale CM**, Day IN, Guthrie P, Rumley A, Lowe GD, von ZT, D'Aiuto F, Taddei S, Klein N, Salpea K, **Cook DG**, Humphries SE, **Whincup PH**, Deanfield JE. Inflammation and not cardiovascular risk factors is associated with short leukocyte telomere length in 13- to 16-year-old adolescents. *Arterioscler Thromb Vasc Biol* 2012;32:2029-34. PMID:22679311
- (57) Mitchell EA, Beasley R, Keil U, Montefort S, Odhiambo J; **ISAAC Phase Three Study Group (includes Anderson HR, Strachan DP)**. The association between tobacco and the risk of asthma, rhinoconjunctivitis and eczema in children and adolescents: analyses from Phase Three of the ISAAC programme. *Thorax* 2012;67:941-9. PMID:22693180.
- (58) Munafo MR, Timofeeva MN, Morris RW, Prieto-Merino D, Sattar N, Brennan P, Johnstone EC, Relton C, Johnson PC, Walther D, **Whincup PH**, Casas JP, Uhl GR, Vineis P, Padmanabhan S, Jefferis BJ, Amuzu A, Riboli E, Upton MN, Aveyard P, Ebrahim S, Hingorani AD, Watt G, Palmer TM, Timpson NJ, Davey SG. Association between genetic variants on chromosome 15q25 locus and objective measures of tobacco exposure. *J Natl Cancer Inst* 2012;104:740-8. PMID:22534784
- (59) Murray CJ, Vos T, Lozano R, ... **Anderson HR** ... **Gupta R** ... **Limb E** ... Lopez AD. Disability-adjusted life years (DALYs) for 291 diseases and injuries in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet* 2012;380:2197-223. PMID: 23245608.
- (60) Nagel G, Weinmayr G, Flohr C, Kleiner A, **Strachan DP**; ISAAC Phase Two Study Group. Association of pertussis and measles infections and immunizations with asthma and allergic sensitization in ISAAC Phase Two. *Pediatr Allergy Immunol* 2012;23:737-46. PMID:23005697.
- (61) Nair P, **Milan SJ**, Rowe BH. Addition of intravenous aminophylline to inhaled beta(2)-agonists in adults with acute asthma. *Cochrane Database Syst Rev* 2012 Dec 12;12:CD002742. doi: 10.1002/14651858.CD002742.pub2. PMID: 23235591.
- (62) **Nightingale CM**, Krishnaveni GV, **Rudnicka AR**, **Owen CG**, Veena SR, Hill JC, **Cook DG**, Fall CH, **Whincup PH**. Cardiometabolic risk markers in Indian children: comparison with UK Indian and white European children. *PLoS One* 2012;7:e36236. PMID:22558399.
- (63) **Oakeshott P**, Aghaizu A, **Reid F**, Howell-Jones R, Hay PE, Sadiq ST, Lacey CJ, Beddows S, Soldan K. Frequency and risk factors for prevalent, incident, and persistent genital carcinogenic human papillomavirus infection in sexually active women: community based cohort study. *Br Med J* 2012;344:e4168. PMID:22730542.
- (64) **Oakeshott P**, Hunt GM, Poulton A, **Reid F**. Open spina bifida: birth findings predict long-term outcome. *Arch Dis Child*. 2012;97:474-620. PMID:22121146.
- (65) O'Donoghue L, **Rudnicka AR**, McClelland JF, Logan NS, Saunders KJ. Visual acuity measures do not reliably detect childhood refractive error--an epidemiological study. *PLoS One* 2012;7:e34441. PMID:22470571
- (66) **Owen CG**, Jarrar Z, Wormald R, **Cook DG**, Fletcher AE, **Rudnicka AR**. The estimated prevalence and incidence of late stage age related macular degeneration in the UK. *Br J Ophthalmol* 2012;96:752-756. PMID:22329913
- (67) **Owen CG**, **Nightingale CM**, **Rudnicka AR**, Sluijs EM, Ekelund U, **Cook DG**, **Whincup PH**. Travel to school and physical activity levels in 9-10 year-old UK children of different ethnic origin; Child Heart and Health Study in England (CHASE). *PLoS One* 2012;7(2):e30932. PMID:22319596

- (68) Pagliari CM, Hoang T, Reddy M, Wilkinson LS, **Poloniecki JD**, Given-Wilson RM. Diagnostic quality of 50 and 100 µm computed radiography compared with screen-film mammography in operative breast specimens. *Br J Radiol* 2012 ;85:910-6. PMID: 22096218.
- (69) Pambos M, Ng J, Loukes J, Matheson J, Aryal B, Adhikari S, Kerry S, **Reid F, Oakeshott P**. Demographics and diagnoses at rural health camps in Nepal: cross-sectional study. *Fam Pract* 2012;29:528-33. PMID: 22357578
- (70) Peters H, **Whincup PH, Cook DG**, Law C, Li L. Trends in blood pressure in 9 to 11-year-old children in the United Kingdom 1980-2008: the impact of obesity. *J Hypertens* 2012;30:1708-17. PMID:22828085
- (71) Petsky HL, **Cates CJ, Lasserson TJ**, Li AM, Turner C, Kynaston JA, Chang AB. A systematic review and meta-analysis: tailoring asthma treatment on eosinophilic markers (exhaled nitric oxide or sputum eosinophils). *Thorax* 2012;67:199-208. PMID:20937641.
- (72) Poole P, Black PN, **Cates CJ**. Mucolytic agents for chronic bronchitis or chronic obstructive pulmonary disease. *Cochrane Database Syst Rev*. 2012 Aug 15;8:CD001287. doi: 10.1002/14651858.CD001287.pub4.
- (73) Poulton J, **Oakeshott P**. Nuclear transfer to prevent maternal transmission of mitochondrial DNA disease. *Br Med J* 2012;345:e6651. PMID:3034858
- (74) Powell C, Dwan K, **Milan SJ**, Beasley R, Hughes R, Knopp-Sihota JA, Rowe BH. Inhaled magnesium sulfate in the treatment of acute asthma. *Cochrane Database Syst Rev* 2012 Dec 12;12:CD003898. doi: 10.1002/14651858.CD003898.pub5. PMID: 23235599.
- (75) Power C, **Thomas C**, Li L, Hertzman C. Childhood psychosocial adversity and adult cortisol patterns. *Br J Psychiatry* 2012;201:199-206. PMID: 22790680.
- (76) Rahman S, Ecob R, Costello H, Sweeney MG, Duncan AJ, Pearce K, **Strachan D**, Forge A, Davis A, Bitner-Glindzicz M. Hearing in 44-45 year olds with m.1555A>G, a genetic mutation predisposing to aminoglycoside-induced deafness: a population based cohort study. *BMJ Open* 2012;2:e000411. PMID:22223843; PMCID: PMC3253422.
- (77) Ramasamy A, Kuokkanen M, Vedantam S, Gajdos ZK, Couto Alves A, Lyon HN, Ferreira MA, **Strachan DP**, ... Hirschhorn JN. Genome-wide association studies of asthma in population-based cohorts confirm known and suggested loci and identify an additional association near HLA. *PLoS One*.2012;7:e44008. PMID:23028483; PMCID:PMC3461045.
- (78) **Rudnicka AR**, Jarrar Z, Wormald R, **Cook DG**, Fletcher A, **Owen CG**. Age and gender variations in age-related macular degeneration prevalence in populations of European ancestry: a meta-analysis. *Ophthalmology* 2012;119:571-580. PMID:22176800
- (79) **Rudnicka AR, Owen CG**. An introduction to systematic reviews and meta-analyses in health care. *Ophthalmic Physiol Opt* 2012;32:174-183. PMID:22512371
- (80) Seshadri S, **Oakeshott P**, Nelson-Piercy C, Chappell LC. Prepregnancy care. *Br Med J* 2012;344, e3467. PMID: 22654073
- (81) **Shah SM, Carey IM, Harris T, DeWilde S, Cook DG**. The impact of dementia on influenza vaccination uptake in community and care home residents. *Age Ageing* 2012;41:64-9. PMID:22089079.
- (82) **Shah SM, Carey IM, Harris T, DeWilde S, Cook DG**. Quality of prescribing in care homes and the community in England and Wales. *Br J Gen Pract* 2012;62:e329-e336. PMID: 22546592

- (83) **Shah SM, Carey IM, Harris T, DeWilde S**, Victor CR, **Cook DG**. Do good health and material circumstances protect older people from the increased risk of death after bereavement? *Am J Epidemiol* 2012;176:689-698. PMID:23051600
- (84) Sheppard S, **Cates C**. Hospital at home in chronic obstructive pulmonary disease: Is it a viable option? *Cochrane Database Syst Rev*. 2012 May 16;6:ED000042. doi: 10.1002/14651858.ED000042.
- (85) Southgate E, **Oakeshott P**. Pregnant women's opinions on the acceptability of providing self-taken vaginal swabs for a study of infection and miscarriage. *Sex Transm Infect* 2012 88:606. PMID:23002193
- (86) Stöcklin L, Loss G, von Mutius E, Genuneit J, Horak E, Braun-Fahrländer C; **GABRIELA study group (includes Strachan DP)**. Health-related quality of life does not explain the protective effect of farming on allergies. *Pediatr Allergy Immunol* 2012;23:519-21. PMID:22554151.
- (87) Teoh L, **Cates CJ**, Hurwitz M, Acworth JP, van Asperen P, Chang AB. Anticholinergic therapy for acute asthma in children. *Cochrane Database Syst Rev*. 2012 Apr 18;4:CD003797. doi: 10.1002/14651858.CD003797.pub2.
- (88) **Thomas C, Nightingale CM, Donin AS, Rudnicka AR, Owen CG, Cook DG, Whincup PH**. Ethnic and socioeconomic influences on childhood blood pressure: the Child Heart and Health Study in England. *J Hypertens* 2012;30:2090-7. PM:22990353
- (89) **Thomas C, Nightingale CM, Donin AS, Rudnicka AR, Owen CG**, Sattar N, **Cook DG, Whincup PH**. Socio-economic position and type 2 diabetes risk factors: patterns in UK children of South Asian, black African-Caribbean and white European origin. *PLoS One* 2012;7:e32619. PMID:22412897
- (90) Travers AH, **Milan SJ**, Jones AP, Camargo CA Jr, Rowe BH. Addition of intravenous beta(2)-agonists to inhaled beta(2)-agonists for acute asthma. *Cochrane Database Syst Rev*. 2012 Dec 12;12:CD010179. doi: 10.1002/14651858.CD010179. PMID: 23235685.
- (91) Travers AH, Jones AP, Camargo CA Jr, **Milan SJ**, Rowe BH. Intravenous beta(2)-agonists versus intravenous aminophylline for acute asthma. *Cochrane Database Syst Rev* 2012 Dec 12;12:CD010256. doi: 10.1002/14651858.CD010256. PubMed PMID: 23235686.
- (92) Vos T, Flaxman AD, Naghavi M ... **Anderson HR ... Gupta R ... Limb E ... Lopez AD, Murray CJ**. Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. *Lancet* 2012;380:2163-96. PMID: 23245607.
- (93) Wan YI, Shrine NR, Soler Artigas M, Wain LV, Blakey JD, Moffatt MF, Bush A, Chung KF, Cookson WO, **Strachan DP**, ... Hall IP. Genome-wide association study to identify genetic determinants of severe asthma. *Thorax* 2012;67:762-768. PMID:22561531.
- (94) Wannamethee SG, Papacosta O, Lawlor DA, **Whincup PH**, Lowe GD, Ebrahim S, Sattar N. Do women exhibit greater differences in established and novel risk factors between diabetes and non-diabetes than men? The British Regional Heart Study and British Women's Heart Health Study. *Diabetologia* 2012;55:80-7. PMID:21861177
- (95) Wannamethee SG, **Whincup PH**, Lennon L, Rumley A, Lowe GD. Fibrin D-dimer, tissue-type plasminogen activator, von Willebrand factor, and risk of incident stroke in older men. *Stroke* 2012;43:1206-11. PMID:22382157
- (96) Wannamethee SG, **Whincup PH**, Shaper AG, Lennon L, Sattar N. Gamma-glutamyltransferase, hepatic enzymes, and risk of incident heart failure in older men. *Arterioscler Thromb Vasc Biol* 2012;32:830-5. PMID:22223732

- (97) **Welsh E**, Chavasse R, Watts K, **Cates C**, Leukotriene receptor antagonists for exacerbations of asthma. *Paediatr Respir Rev* **13**(4):226-227 Dec 2012, doi: 10.1016/j.prrv.2012.08.002. PMID:23069120
- (98) **Whincup PH, Nightingale CM, Owen CG**, Rapala A, Bhowruth DJ, Prescott MH, Ellins EA, **Donin AS**, Masi S, **Rudnicka AR**, Sattar N, **Cook DG**, Deanfield JE. Ethnic differences in carotid intima-media thickness between UK children of black African-Caribbean and white European origin. *Stroke* 2012;43:1747-54. PMID:22569936
- (99) Williams ED, Tillin T, **Whincup P**, Forouhi NG, Chaturvedi N. Ethnic differences in disability prevalence and their determinants studied over a 20-year period: a cohort study. *PLoS One* 2012;7:e45602. PMID:23029128
- (100) Wilk JB, Shrine NR, Loehr LR, ... **Strachan DP**, ... Stricker BH. Genome Wide Association Studies Identify CHRNA5/3 and HTR4 in the Development of Airflow Obstruction. *Am J Respir Crit Care Med* 2012;186:622-32. PMID: 22837378.
- (101) Wong CM, Rabl A, Thach TQ, Chau YK, Chan KP, Cowling BJ, Lai HK, Lam TH, McGhee SM, **Anderson HR**, Hedley AJ. Impact of the 1990 Hong Kong legislation for restriction on sulfur content in fuel. *Res Rep Health Eff Inst* 2012;170:5-91. PMID: 23316618.
- (102) Yang J, Loos RJ, Powell JE, ... **Strachan DP**, ... Visscher PM. FTO genotype is associated with phenotypic variability of body mass index. *Nature* 2012;490:267-72. PMID:22982992.
- (103) Young F, Wotton CJ, **Critchley JA**, Unwin NC, Goldacre MJ. Increased risk of tuberculosis disease in people with diabetes mellitus: record-linkage study in a UK population. *J Epidemiol Community Health* 2012;66:519-23. PMID: 21109542.

Annex 4: Population Health Research Centre: Journal Publications 2013

- (1) **Anderson HR**, Favarato G, **Atkinson RW**. Long-term exposure to outdoor air pollution and the prevalence of asthma: meta-analysis of multi-community prevalence studies. *Air Qual Atmos Health* 2013;6:57-68. PMID: Not listed in PubMed. doi: 10.1007/s11869-011-0145-4.
- (2) **Anderson HR**, Favarato G, **Atkinson RW**. Long-term exposure to air pollution and the incidence of asthma: meta-analysis of cohort studies. *Air Qual Atmos Health* 2013;6:47-56. . PMID: Not listed in PubMed. doi: 10.1007/s11869-011-0144-5.
- (3) Anttila V, Winsvold BS, Gormley P, ... **Strachan DP**, ... Nyholt DR, Chasman DI, Palotie A. Genome-wide meta-analysis identifies new susceptibility loci for migraine. *Nat Genet* 2013;45:912-7. PMID: 23793025.
- (4) **Atkinson RW**, **Carey IM**, Kent AJ, van Staa TP, **Anderson HR**, **Cook DG**. Long-term exposure to outdoor air pollution and incidence of cardiovascular diseases. *Epidemiology* 2013;24:44-53. PMID: 23222514.
- (5) Beevers SD, Kitwiroon N, Williams ML, Kelly FJ, **Anderson HR**, Carslaw DC. Air pollution dispersion models for human exposure predictions in London. *J Expo Sci Environ Epidemiol* 2013;23:647-53. PMID: Not listed in PubMed. doi: 10.1038/jes.2013.6.
- (6) Berndt SI, Gustafsson S, Mägi R, ... **Strachan DP**, ... Loos RJ, Ingelsson E. Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. *Nat Genet* 2013;45:501-12. PMID: 23563607.
- (7) Bønnelykke K, Matheson MC, Pers TH, Granell R, **Strachan DP**, ... the EARly Genetics and Lifecourse Epidemiology (EAGLE) Consortium. Meta-analysis of genome-wide association studies identifies ten loci influencing allergic sensitization. *Nat Genet* 2013;45:902-6. PMID:23817571.
- (8) **Butland BK**, Armstrong B, **Atkinson RW**, Wilkinson P, Heal MR, Doherty RM, Vieno M. Measurement error in time-series analysis: a simulation study comparing modelled and monitored data. *BMC Med Res Methodol* 2013;13:136. PMID: 24219031; PMCID: PMC3871053.
- (9) **Butland BK**, Field-Smith ME, Ramsey JD, **Anderson HR**. Twenty-five years of volatile substance abuse mortality: a national mortality surveillance programme. *Addiction* 2013;108:385-393. PMID: 22882771
- (10) Campbell F, Dickinson HO, **Critchley JA**, Ford GA, Bradburn M. A systematic review of fish-oil supplements for the prevention and treatment of hypertension. *Eur J Prev Cardiol* 2013;20:107-20. PMID: 22345681.
- (11) **Carey IM**, **Atkinson RW**, Kent AJ, van Staa T, **Cook DG**, **Anderson HR**. Mortality Associations with Long-Term Exposure to Outdoor Air Pollution in a National English Cohort. *Am J Respir Crit Care Med* 2013;187:1226-33. PMID: 23590261; PMCID: PMC3734610.
- (12) **Carey IM**, **Shah SM**, **Harris T**, **de Wilde S**, **Cook DG**. A new simple primary care morbidity score predicted mortality and better explains between practice variations than the Charlson index. *J Clin Epidemiol* 2013;66:436-44 PMID: 23395517.
- (13) **Cates C**. Inhaled corticosteroids in COPD: quantifying risks and benefits. *Thorax* 2013;68:499-500. PMID: 23242950.
- (14) **Cates C**. The safety of regular long-acting beta2-agonists in children with asthma: an overview of Cochrane reviews. *Paediatr Respir Rev* 2013;14:25-26. PMID: 23200881.

- (15) **Cates CJ, Karner C.** Combination formoterol and budesonide as maintenance and reliever therapy versus current best practice (including inhaled steroid maintenance), for chronic asthma in adults and children. *Cochrane Database Syst Rev* 2013 Apr 30;4:CD007313. PMID: 23633340.
- (16) **Cates CJ, Jaeschke R, Schmidt S, Ferrer M.** Regular treatment with formoterol and inhaled steroids for chronic asthma: serious adverse events. *Cochrane Database Syst Rev* 2013 Jun 7;6:CD006924. PMID: 23744625.
- (17) **Cates CJ, Jaeschke R, Schmidt S, Ferrer M.** Regular treatment with salmeterol and inhaled steroids for chronic asthma: serious adverse events. *Cochrane Database Syst Rev* 2013 Mar 28;3:CD006922. PMID: 23543548.
- (18) **Cates CJ, Rowe BH.** Vaccines for preventing influenza in people with asthma. *Cochrane Database Syst Rev* 2013 Feb 28;2:CD000364. PMID: 23450529.
- (19) **Cates CJ, Welsh EJ, Rowe BH.** Holding chambers (spacers) versus nebulisers for beta-agonist treatment of acute asthma. *Cochrane Database Syst Rev* 2013 Sep 13;9:CD000052. PMID: 24037768.
- (20) Chishti T, **Harris T**, Conroy R, **Oakeshott P**, Tulloch J, Coster D, **Kerry SR**, Kerry SM. How reliable are stroke patients' reports of their numbers of general practice consultations over 12 months? *Fam Pract* 2013;30:119-22. PMID: 22987457.
- (21) Cohorts for Heart and Aging Research in Genomic Epidemiology (CHARGE) Consortium (includes **Strachan DP**); Early Growth Genetics (EGG) Consortium (also includes **Strachan DP**). Common variants at 6q22 and 17q21 are associated with intracranial volume. *Nat Genet* 2013;45:713. PMID: 23715335.
- (22) **Critchley JA**, Young F, Orton L, Garner P. Corticosteroids for prevention of mortality in people with tuberculosis: a systematic review and meta-analysis. *Lancet Infect Dis* 2013;13:223-37. PMID: 23369413.
- (23) Darville T; Pelvic Inflammatory Disease Workshop Proceedings Committee (includes **Oakeshott P**). Pelvic inflammatory disease: identifying research gaps--proceedings of a workshop sponsored by Department of Health and Human Services/National Institutes of Health/National Institute of Allergy and Infectious Diseases, November 3-4, 2011. *Sex Transm Dis* 2013;40:761-7. PMID: 24275724.
- (24) den Hoed M, Eijgelsheim M, Esko T, ..., **Strachan DP**, ... Loos RJ. Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. *Nat Genet* 2013;45:621-31. PMID:23583979.
- (25) Dinç G, Sözmen K, Gerçeklioğlu G, Arık H, **Critchley J**, Unal B. Decreasing trends in cardiovascular mortality in Turkey between 1988 and 2008. *BMC Public Health* 2013;13:896. PMID: 24079269; PMCID: PMC3850640.
- (26) Do R, Willer CJ, Schmidt EM, ... **Strachan DP**, ... Kathiresan S. Common variants associated with plasma triglycerides and risk for coronary artery disease. *Nat Genet* 2013;45:1345-52. PMID: 24097064; PMCID: PMC3904346.
- (27) Dominise C, **Oakeshott P**. Questionnaire survey of the effect of calorie labelling on consumers' cold drink purchases. *Br J Gen Pract* 2013;63:71. PMID: 23561670; PMCID: PMC3553623.
- (28) Eastwood SV, Tillin T, Wright A, Heasman J, Willis J, Godsland IF, Forouhi N, **Whincup P**, Hughes AD, Chaturvedi N. Estimation of CT-derived abdominal visceral and subcutaneous adipose tissue depots from anthropometry in Europeans, South Asians and African Caribbeans. *PLoS One* 2013;8:e75085. PMID: 24304838.

- (29) Ellwood P, Asher MI, Garcia-Marcos L, Williams H, Keil U, Robertson C, Nagel G, ISAAC Phase III Study Group (includes **Anderson HR, Strachan DP**). Do fast foods cause asthma, rhinoconjunctivitis and eczema? Global findings from the International Study of Asthma and Allergies in Childhood (ISAAC) Phase Three. *Thorax* 2013;68:351-360. PMID: 23319429.
- (30) Ege MJ, **Strachan DP**. Comparisons of power of statistical methods for gene-environment interaction analyses. *Eur J Epidemiol* 2013;28:785-97. PMID: 24005774.
- (31) Ellinghaus D, Zhang H, Zeissig S, ... **Strachan DP**, ... Parkes M, Franke A. Association Between Variants of PRDM1 and NDP52 and Crohns Disease, Based on Exome Sequencing and Functional Studies. *Gastroenterology* 2013;145:339-47. PMID:23624108.
- (32) Evans DM, Brion MJ, Paternoster L, Kemp JP, McMahon G, Munafò M, Whitfield JB, Medland SE, Montgomery GW; GIANT Consortium (includes **Strachan DP**); CRP Consortium; TAG Consortium, Timpson NJ, St Pourcain B, Lawlor DA, Martin NG, Dehghan A, Hirschhorn J, Davey Smith G. Mining the human phenome using allelic scores that index biological intermediates. *PLoS Genet* 2013;9:e1003919. PMID: 24204319; PMCID: PMC3814299.
- (33) Fernández-Rhodes L, Demerath EW, Cousminer DL, ... **Strachan DP**, ... Ong KK, Franceschini N. Association of Adiposity Genetic Variants With Menarche Timing in 92,105 Women of European Descent. *Am J Epidemiol* 2013;178:451-60. PMID:23558354.
- (34) Fraz MM, Remagnino P, Hoppe A, **Rudnicka AR, Owen CG, Whincup PH**, Barman SA. Quantification of blood vessel calibre in retinal images of multi-ethnic school children using a model based approach. *Comput Med Imaging Graph* 2013;37:48-60. PMID: 23410507.
- (35) Genuneit J, **Strachan DP**, Büchele G, Weber J, Loss G, Sozanska B, Boznanski A, Horak E, Heederik D, Braun-Fahrlander C, von Mutius E; GABRIELA study group. The combined effects of family size and farm exposure on childhood hay fever and atopy. *Pediatr Allergy Immunol* 2013;24:293-8. PMID: 23551831.
- (36) Ghosh RE, Cullinan P, Fishwick D, Hoyle J, Warburton CJ, **Strachan DP, Butland BK**, Jarvis D. Asthma and occupation in the 1958 birth cohort. *Thorax* 2013;68:365-71. PMID:23339164.
- (37) Global Lipids Genetics Consortium, Willer CJ, Schmidt EM, Sengupta S, ... **Strachan DP**, ... Abecasis GR. Discovery and refinement of loci associated with lipid levels. *Nat Genet* 2013;45:1274-83. PMID: 24097068; PMCID: PMC3838666.
- (38) Graff M, Ngwa JS, Workalemahu T, ... **Strachan DP**, ... Berndt SI. Genome-wide analysis of BMI in adolescents and young adults reveals additional insight into the effects of genetic loci over the life course. *Hum Mol Genet* 2013;22:3597-607. PMID:23669352.
- (39) **Harris T**, Kerry S, Victor C, Ekelund U, Woodcock A, Iliffe S, **Whincup P**, Beighton C, **Ussher M**, David L, Brewin D, Adams F, Rogers A, **Cook D**. Randomised controlled trial of a complex intervention by primary care nurses to increase walking in patients aged 60-74 years: protocol of the PACE-Lift (Pedometer Accelerometer Consultation Evaluation - Lift) trial. *BMC Public Health* 2013;13:5. PMID: 23289648.
- (40) **Harris T**, Kerry SM, Victor CR, **Shah SM**, Iliffe S, **Ussher M**, Ekelund U, Fox-Rushby J, **Whincup P**, David L, Brewin D, **Ibison J, DeWilde S, Limb E**, Anokye N, **Furness C**, Howard E, Dale R, **Cook DG**. PACE-UP (Pedometer and consultation evaluation--UP)--a pedometer-based walking intervention with and without practice nurse support in primary care patients aged 45-75 years: study protocol for a randomised controlled trial. *Trials* 2013;14:418. PMID: 24304838.
- (41) Henschel S, Querol X, **Atkinson R**, Pandolfi M, Zeka A, Le Tertre A, ... Ambient air SO₂ patterns in 6 European cities. *Atmos Environ* 2013;79:236-247. PMID: Not listed in PubMed. doi:10.1016/j.atmosenv.2013.06.008.

- (42) Holmes MV, Simon T, Exeter HJ, ..., **Whincup PH**, ..., Talmud PJ. Secretory phospholipase A(2)-IIA and cardiovascular disease: a mendelian randomization study. *J Am Coll Cardiol* 2013;62(21):1966-1976. PMID: 25011450; PMCID: PMC3826105.
- (43) Hu YJ, Berndt SI, Gustafsson S, Ganna A; Genetic Investigation of ANthropometric Traits (GIANT) Consortium (includes **Strachan DP**), Hirschhorn J, North KE, Ingelsson E, Lin DY. Meta-analysis of Gene-Level Associations for Rare Variants Based on Single-Variant Statistics. *Am J Hum Genet* 2013;93:236-48. PMID: 23891470; PMCID: PMC3738834.
- (44) Huertas-Vazquez A, Nelson CP, Guo X, Reinier K, Uy-Evanado A, Teodorescu C, Ayala J, Jerger K, Chugh H; WTCCC+ (includes **Strachan DP**), Braund PS, Deloukas P, Hall AS, Balmforth AJ, Jones M, Taylor KD, Pulit SL, Newton-Cheh C, Gunson K, Jui J, Rotter JI, Albert CM, Samani NJ, Chugh SS. Novel loci associated with increased risk of sudden cardiac death in the context of coronary artery disease. *PLoS One* 2013;8:e59905. PMID: 23593153; PMCID: PMC3617189.
- (45) Hughes J, Kee F, O'Flaherty M, **Critchley J**, Cupples M, Capewell S, Bennett K. Modelling coronary heart disease mortality in Northern Ireland between 1987 and 2007: broader lessons for prevention. *Eur J Prev Cardiol* 2013;20:310-21. PMID: 22403395.
- (46) Jefferis BJ, **Whincup PH**, Welsh P, Wannamethee SG, Rumley A, Ebrahim S, Lawlor DA, Lowe GD. Prospective study of IL-18 and risk of MI and stroke in men and women aged 60-79 years: a nested case-control study. *Cytokine* 2013;61:513-520. PMID: 23207179; PMCID: PMC3561593.
- (47) Kabir Z, Perry IJ, **Critchley J**, O'Flaherty M, Capewell S, Bennett K. Modelling Coronary Heart Disease Mortality declines in the Republic of Ireland, 1985-2006. *Int J Cardiol* 2013;168:2462-7. PMID: 23541608.
- (48) **Kapetanakis V**, Matthews FE, van den Hout A. A semi-Markov model for stroke with piecewise-constant hazards in the presence of left, right and interval censoring. *Stat Med* 2013;32:697-713. PMID: 22903796; PMCID: PMC3602720.
- (49) Karthikesalingam A, Holt PJ, Patterson BO, **Vidal-Diez A**, Sollazzo G, **Poloniecki JD**, Hinchliffe RJ, Thompson MM. Elective open suprarenal aneurysm repair in England from 2000 to 2010 an observational study of hospital episode statistics. *PLoS One* 2013;8:e64163. PMID: 23717559; PMCID: PMC3662715.
- (50) Kerry SM, Markus HS, Khong TK, Cloud GC, Tulloch J, Coster D, **Ibison J**, **Oakeshott P**. Home blood pressure monitoring with nurse-led telephone support among patients with hypertension and a history of stroke: a community-based randomized controlled trial. *CMAJ* 2013;185:23-31. PMID: 23128283; PMCID: PMC3537777.
- (51) **Kew KM**, **Karner C**, Mindus SM, Ferrara G. Combination formoterol and budesonide as maintenance and reliever therapy versus combination inhaler maintenance for chronic asthma in adults and children. *Cochrane Database Syst Rev* 2013 Dec 16;12:CD009019. PMID: 24343671.
- (52) **Kew KM**, Mavergames C, Walters JA. Long-acting beta2-agonists for chronic obstructive pulmonary disease. *Cochrane Database Syst Rev* 2013 Oct 15;10:CD010177. PMID: 24127118.
- (53) Khan TA, Shah T, Prieto D, ..., **Whincup P**, ..., Casas JP. Apolipoprotein E genotype, cardiovascular biomarkers and risk of stroke: systematic review and meta-analysis of 14,015 stroke cases and pooled analysis of primary biomarker data from up to 60,883 individuals. *Int J Epidemiol* 2013;42:475-492. PMID: 23569189.
- (54) Kolotourou M, Radley D, Chadwick P, Smith L, Orfanos S, **Kapetanakis V**, Singhal A, Cole TJ, Sacher PM. Is BMI alone a sufficient outcome to evaluate interventions for child obesity? *Child Obes* 2013;9:350-6. PMID: 23767805; PMCID: PMC3728723.

- (55) Lan Q, Cawthon R, Gao Y, Hu W, Hosgood HD 3rd, **Barone-Adesi F**, ..., Rothman N. Longer telomere length in peripheral white blood cells is associated with risk of lung cancer and the rs2736100 (CLPTM1L-TERT) polymorphism in a prospective cohort study among women in China. *PLoS One* 2013;8:e59230. PMID: 23555636; PMCID: PMC3608613.
- (56) MacNeill SJ, Sozanska B, Danielewicz H, ...; GABRIELA study group (includes **Strachan DP**). Asthma and allergies: is the farming environment (still) protective in Poland? The GABRIEL Advanced Studies. *Allergy* 2013;68:771-9. PMID: 23621318.
- (57) Mahalingam S, Pepper C, **Oakeshott P**. Reducing inappropriate ENT referrals. *Br J Gen Pract* 2013;63:404-5. PMID: 23972174; PMCID: PMC3722808.
- (58) Mason M, **Welsh EJ**, Smith I. Drug therapy for obstructive sleep apnoea in adults. *Cochrane Database Syst Rev* 2013 May 31;5:CD003002. PMID: 23728641.
- (59) Maziak W, **Critchley J**, Zaman S, Unwin N, Capewell S, Bennett K, Unal B, Hussein A, Romdhane HB, Phillimore P. Mediterranean studies of cardiovascular disease and hyperglycemia: analytical modeling of population socio-economic transitions (MedCHAMPS)--rationale and methods. *Int J Public Health* 2013;58:547-53. PMID: 23111372.
- (60) McGuinn L, Hajat S, Wilkinson P, Armstrong B, **Anderson HR**, Monk V, Harrison R. Ambient temperature and activation of implantable cardioverter defibrillators. *Int J Biometeorol* 2013;57:655-62. PMID: 22990411.
- (61) Melén E, Granell R, Kogevinas M, **Strachan D**, ... Moffatt MF, Cookson WO, Lasky-Su J. Genome-wide association study of body mass index in 23 000 individuals with and without asthma. *Clin Exp Allergy* 2013;43:463-74. PMID: 23517042; PMCID: PMC3608930.
- (62) Miligi L, Benvenuti A, Mattioli S, ... SETIL Working Group (includes **Barone-Adesi F**), Magnani C. Risk of childhood leukaemia and non-Hodgkin's lymphoma after parental occupational exposure to solvents and other agents: the SETIL Study. *Occup Environ Med* 2013;70:648-55. PMID: 23729503.
- (63) Mitchell EA, Beasley R, Björkstén B, Crane J, García-Marcos L, Keil U; ISAAC Phase Three Study Group (includes **Anderson HR**, **Strachan DP**). The association between BMI, vigorous physical activity and television viewing and the risk of symptoms of asthma, rhinoconjunctivitis and eczema in children and adolescents: ISAAC Phase Three. *Clin Exp Allergy* 2013 43:73-84. PMID: 23278882.
- (64) Murray CJ, Richards MA, Newton JN, Fenton KA, **Anderson HR**, ... et al. UK health performance: findings of the Global Burden of Disease Study 2010. *Lancet* 2013;381: 997-1020. PMID: 23668584.
- (65) **Nightingale CM**, **Rudnicka AR**, **Owen CG**, **Donin AS**, **Newton SL**, **Furness CA**, Howard EL, Gillings RD, Wells JC, **Cook DG**, **Whincup PH**. Are ethnic and gender specific equations needed to derive fat free mass from bioelectrical impedance in children of South Asian, black African-Caribbean and white European origin? Results of the assessment of body composition in children study. *PLoS One* 2013;8:e76426. PMID: 24204625; PMCID: PMC3799736.
- (66) **Nightingale CM**, **Rudnicka AR**, **Owen CG**, Wells JC, Sattar N, **Cook DG**, **Whincup PH**. Influence of adiposity on insulin resistance and glycemia markers among U.K. Children of South Asian, black African-Caribbean, and white European origin: child heart and health study in England. *Diabetes Care* 2013;36:1712-9. PMID: 23315600; PMCID: PMC3661837.
- (67) Nannini LJ, Poole P, Milan SJ, Holmes R, **Normansell R**. Combined corticosteroid and long-acting beta₂-agonist in one inhaler versus placebo for chronic obstructive pulmonary disease. *Cochrane Database Syst Rev* 2013 Nov 10;11:CD003794. PMID: 24214176.

- (68) Nolan LS, Maier H, Hermans-Borgmeyer I, ... **Strachan DP**, Davis A, Dawson SJ. Estrogen-related receptor gamma and hearing function: evidence of a role in humans and mice. *Neurobiol Aging* 2013;34:2077.e1-9. PMID: 23540940.
- (69) O'Donoghue L, McClelland JF, Logan NS, **Rudnicka AR**, **Owen CG**, Saunders KJ. Profile of anisometropia and aniso-astigmatism in children: prevalence and association with age, ocular biometric measures, and refractive status. *Invest Ophthalmol Vis Sci* 2013;54:602-8. PMID: 23233258.
- (70) **Ovaisi S**, **Oakeshott P**, **Kerry S**, Crabtree AE, Kyei G, Kerry SM. Home blood pressure monitoring in hypertensive stroke patients: a prospective cohort study following a randomized controlled trial. *Fam Pract* 2013;30:398-403. PMID: 23629739.
- (71) Pearce N, Asher I, Billo N, Bissell K, Ellwood P, El Sony A, García-Marcos L, Chiang CY, Mallo J, Marks G, **Strachan D**. Asthma in the global NCD agenda: a neglected epidemic. *Lancet Respir Med* 2013;1:96-8. PMID: 24429078.
- (72) Peng RD, Samoli E, Pham L, Dominici F, Touloumi G, Ramsay T, Burnett RT, Krewski D, Le Tertre A, Cohen A, **Atkinson RW**, **Anderson HR**, Katsouyanni K, Samet JM. Acute effects of ambient ozone on mortality in Europe and North America: results from the APHENA study. *Air Qual Atmos Health* 2013;6:445-453. PMID: Not listed in PubMed. doi: 10.1007/s11869-012-0180-9.
- (73) Phillimore P, Zaman S, Ahmad B, Shoaibi A, Khatib R, Khatib R, Hussein A, Fouad F, Elias M, Maziak W, Tlili F, Tinsa F, Ben Romdhane H, Kılıç B, Kalaça S, Ünal B, **Critchley J**. Health system challenges of cardiovascular disease and diabetes in four Eastern Mediterranean countries. *Glob Public Health* 2013;8:875-89. PMID: 24004405.
- (74) Qadeer U, **Oakeshott P**, Patel R, Ali A, Theodorsson M, Kundasamy P. Where have young men been screened for STIs? *Sex Transm Infect* 2013;89:107. PMID: 23241966.
- (75) Randall JC, Winkler TW, Kutalik Z, ... **Strachan DP**, ... Heid IM. Sex-stratified Genome-wide Association Studies Including 270,000 Individuals Show Sexual Dimorphism in Genetic Loci for Anthropometric Traits. *PLoS Genet* 2013;9:e1003500. PMID:23754948; PMCID:PMC3674993.
- (76) Sabater-Lleal M, Huang J, Chasman D, ..., **Rudnicka AR**, ..., **Strachan DP**, Hamsten A, O'Donnell CJ. Multiethnic meta-analysis of genome-wide association studies in >100 000 subjects identifies 23 fibrinogen-associated Loci but no strong evidence of a causal association between circulating fibrinogen and cardiovascular disease. *Circulation* 2013;128:1310-24. PMID: 23969696; PMCID: PMC3842025.
- (77) Saidi O, Ben Mansour N, O'Flaherty M, Capewell S, **Critchley JA**, Ben Romdhane H. Analyzing recent coronary heart disease mortality trends in Tunisia between 1997 and 2009. *PLoS One* 2013;8:e63202. PMID: 23658808; PMCID: PMC3643918.
- (78) **Shah SM**, **Carey IM**, **Harris T**, **de Wilde S**, **Cook DG**. Mortality in older care home residents in England and Wales. *Age Ageing* 2013;42:209-15. PMID: 23305759.
- (79) **Shah SM**, **Carey IM**, **Harris T**, **de Wilde S**, Victor CR, **Cook DG**. Impact of partner bereavement on quality of cardiovascular disease management. *Circulation* 2013;128:2745-53. PMID: 24255060.
- (80) **Shah SM**, **Carey IM**, **Harris T**, **de Wilde S**, Victor CR, **Cook DG**. Initiation of psychotropic medication after partner bereavement: a matched cohort study. *PLoS One* 2013;8:e77734. PMID: 24223722; PMCID: PMC3818377.
- (81) **Shah SM**, **Carey IM**, **Harris T**, **de Wilde S**, Victor CR, **Cook DG**. The effect of unexpected bereavement on mortality in older couples. *Am J Public Health* 2013;103:1140-5. PMID: 23597341; PMCID: PMC3670660.

- (82) Shah T, Engmann J, Dale C, ..., **Whincup P**, ..., Hingorani AD. Population genomics of cardiometabolic traits: design of the University College London-London School of Hygiene and Tropical Medicine-Edinburgh-Bristol (UCLEB) Consortium. *PLoS One* 2013;8(8):e71345. PMID: 23977022
- (83) Silverwood RJ, Pierce M, Hardy R, Sattar N, **Whincup P**, Ferro C, Savage C, Kuh D, Nitsch D. Low birth weight, later renal function, and the roles of adulthood blood pressure, diabetes, and obesity in a British birth cohort. *Kidney Int* 2013;84:1262-1270. PMID: 23760284
- (84) Silverwood RJ, Pierce M, Thomas C, Hardy R, Ferro C, Sattar N, **Whincup P**, Savage C, Kuh D, Nitsch D. Association between younger age when first overweight and increased risk for CKD. *J Am Soc Nephrol* 2013;24:813-821. PMID: 23559581.
- (85) Sim X, Jensen RA, Ikram MK, ... Global BPGen Consortium (includes **Strachan DP**), ... Wong TY. Genetic loci for retinal arteriolar microcirculation. *PLoS One* 2013;8:e65804. PMID: 23776548; PMCID: PMC3680438.
- (86) Sinha S, **Hofman D**, Stoker DL, Friend PJ, **Poloniecki JD**, Thompson MM, Holt PJ. Epidemiological study of provision of cholecystectomy in England from 2000 to 2009: retrospective analysis of Hospital Episode Statistics. *Surg Endosc* 2013;27:162-75. PMID: 22806509.
- (87) Sinha S, Peach G, **Poloniecki JD**, Thompson MM, Holt PJ. Studies using English administrative data (Hospital Episode Statistics) to assess health-care outcomes--systematic review and recommendations for reporting. *Eur J Public Health* 2013;23:86-92. PMID: 22577123.
- (88) Thun GA, Imboden M, Ferrarotti I, ... **Strachan DP**, ... Probst-Hensch NM. Causal and Synthetic Associations of Variants in the SERPINA Gene Cluster with Alpha1-antitrypsin Serum Levels. *PLoS Genet* 2013 Aug;9(8):e1003585. PMID:23990791; PMCID: PMC3749935.
- (89) Tillin T, Hughes AD, Godsland IF, **Whincup P**, Forouhi NG, Welsh P, Sattar N, McKeigue PM, Chaturvedi N. Insulin resistance and truncal obesity as important determinants of the greater incidence of diabetes in Indian Asians and African Caribbeans compared with Europeans: the Southall And Brent REvisited (SABRE) cohort. *Diabetes Care* 2013;36:383-393. PMID: 22966089
- (90) Tillin T, Hughes AD, Mayet J, **Whincup P**, Sattar N, Forouhi NG, McKeigue PM, Chaturvedi N. The relationship between metabolic risk factors and incident cardiovascular disease in Europeans, South Asians, and African Caribbeans: SABRE (Southall and Brent Revisited) -- a prospective population-based study. *J Am Coll Cardiol* 2013;61:1777-1786. PMID: 24186564.
- (91) Unal B, Sözmen K, Arık H, Gerçeklioğlu G, Altun DU, Şimşek H, Doganay S, Demiral Y, Aslan Ö, Bennett K, O'Flaherty M, Capewell S, **Critchley J**. Explaining the decline in coronary heart disease mortality in Turkey between 1995 and 2008. *BMC Public Health* 2013;13:1135. PMID: 24308515; PMCID: PMC4234124.
- (92) Vimalleswaran KS, Berry DJ, Lu C, ... Genetic Investigation of Anthropometric Traits-GIANT Consortium (includes **Strachan DP**), ... Hyppönen E. Causal relationship between obesity and vitamin D status: bi-directional Mendelian randomization analysis of multiple cohorts. *PLoS Med* 2013;10(2):e1001383. PMID: 23393431; PMCID: PMC3564800.
- (93) Wannamethee SG, Bruckdorfer KR, Shaper AG, Papacosta O, Lennon L, **Whincup PH**. Plasma vitamin C, but not vitamin E, is associated with reduced risk of heart failure in older men. *Circ Heart Fail* 2013;6:647-654. PMID: 23729199.

- (94) Wannamethee SG, Sattar N, Papcosta O, Lennon L, **Whincup PH**. Alkaline phosphatase, serum phosphate, and incident cardiovascular disease and total mortality in older men. *Arterioscler Thromb Vasc Biol* 2013;33:1070-1076. PMID: 23430618.
- (95) Wannamethee SG, Shaper AG, **Whincup PH**, Lennon L, Sattar N. Adiposity, adipokines, and risk of incident stroke in older men. *Stroke* 2013;44:3-8. PMID: 23192755.
- (96) Watson NA, Kwame I, **Oakeshott P, Reid F**, Rubin JS. Comparing the diagnosis of laryngopharyngeal reflux between the reflux symptom index, clinical consultation and reflux finding score in a group of patients presenting to an ENT clinic with an interest in voice disorders: a pilot study in thirty-five patients. *Clin Otolaryngol* 2013;38:329-33. PMID: 23522346.
- (97) Watson NA, **Oakeshott P**, Kwame I, Rubin JS. A comparison of the voice handicap index-10 scores between medical and musical theater students. *J Voice* 2013;27:129.e21-129.e23. PMID: 23159030.
- (98) Weinmayr G, Keller F, Kleiner A, du Prel JB, Garcia-Marcos L, Batllés-Garrido J, Garcia-Hernandez G, Suarez-Varela MM, **Strachan DP**, Nagel G. Asthma phenotypes identified by latent class analysis in the ISAAC phase II Spain study. *Clin Exp Allergy* 2013;43:223-32. PMID:23331563.
- (99) Weinmayr G, Gehring U, Genuneit J, Büchele G, Kleiner A, Siebers R, Wickens K, Crane J, Brunekreef B, **Strachan DP**; ISAAC Phase Two Study Group. Dampness and moulds in relation to respiratory and allergic symptoms in children: results from Phase Two of the International Study of Asthma and Allergies in Childhood (ISAAC Phase Two). *Clin Exp Allergy* 2013;43:762-74. PMID:23786283.
- (100) **Welsh E**, Jahnke N, Remington T, Smyth A, **Cates C**. 20 years of Cochrane: Glancing backwards - moving ahead: a tale of two Cochrane review groups. *Paediatr Respir Rev* 2013;14:165-7. PMID: 23849333.
- (101) **Welsh EJ, Cates CJ**, Poole P. Combination inhaled steroid and long-acting beta2-agonist versus tiotropium for chronic obstructive pulmonary disease. *Cochrane Database Syst Rev* 2013 May 31;5:CD007891. PMID: 23728670.
- (102) Wong GW, Brunekreef B, Ellwood P, **Anderson HR**, Asher MI, Crane J, Lai CK; ISAAC Phase Three Study Group (includes **Strachan DP**). Cooking fuels and prevalence of asthma: a global analysis of phase three of the International Study of Asthma and Allergies in Childhood (ISAAC). *Lancet Respir Med* 2013;1:386-394. PMID: 24429203.

Annex 5: Population Health Research Centre: Journal Publications 2014

- (1) **Aghaizu A, Reid F, Kerry S**, Hay PE, Mallinson H, Jensen JS, Kerry S, **Oakeshott P**. Frequency and risk factors for incident and redetected Chlamydia trachomatis infection in sexually active, young, multi-ethnic women: a community based cohort study. *Sex Transm Infect* 2014;90:524-8. PMID: 25100744; PMCID: PMC4215355.
- (2) Al-Quwaidhi AJ, Pearce MS, **Critchley JA**, Sobngwi E, O'Flaherty M. Trends and future projections of the prevalence of adult obesity in Saudi Arabia, 1992-2022. *East Mediterr Health J* 2014;20:589-95. PMID: 25356689.
- (3) Al-Quwaidhi AJ, Pearce MS, Sobngwi E, **Critchley JA**, O'Flaherty M. Comparison of type 2 diabetes prevalence estimates in Saudi Arabia from a validated Markov model against the International Diabetes Federation and other modelling studies. *Diabetes Res Clin Pract* 2014;103:496-503. PMID: 24447810; PMCID: PMC4013554.
- (4) Analitis A, Michelozzi P, D'Ippoliti D, ..., **Atkinson RW**, ..., Katsouyanni K. Effects of heat waves on mortality: effect modification and confounding by air pollutants. *Epidemiology* 2014;25:15-22. PMID: 24162013.
- (5) Arking DE, Pulit SL, Crotti L, ..., **Whincup PH**, ..., Newton-Cheh C. Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. *Nat Genet* 2014;46:826-836. PMID: 24952745; PMCID: PMC4124521.
- (6) Atkins JL, **Whincup PH**, Morris RW, Lennon LT, Papacosta O, Wannamethee SG. High diet quality is associated with a lower risk of cardiovascular disease and all-cause mortality in older men. *J Nutr* 2014;144:673-680. PMID: PMID: 24572037; PMCID: PMC3985824.
- (7) Atkins JL, **Whincup PH**, Morris RW, Lennon LT, Papacosta O, Wannamethee SG. Sarcopenic obesity and risk of cardiovascular disease and mortality: a population-based cohort study of older men. *J Am Geriatr Soc* 2014;62:253-260. PMID: 24428349; PMCID: PMC4234002.
- (8) Atkins JL, **Whincup PH**, Morris RW, Wannamethee SG. Low muscle mass in older men: the role of lifestyle, diet and cardiovascular risk factors. *J Nutr Health Aging* 2014;18:26-33. PMID: 24402385.
- (9) **Atkinson RW**, Kang S, **Anderson HR**, Mills IC, Walton HA. Epidemiological time series studies of PM2.5 and daily mortality and hospital admissions: a systematic review and meta-analysis. *Thorax* 2014;69:660-665. PMID: 24706041; PMCID: PMC4078677.
- (10) Bassig BA, Zhang L, Cawthon RM, Smith MT, Yin S, Li G, Hu W, Shen M, Rappaport S, **Barone-Adesi F**, Rothman N, Vermeulen R, Lan Q. Alterations in leukocyte telomere length in workers occupationally exposed to benzene. *Environ Mol Mutagen* 2014;55:673-8. PMID: 24945723.
- (11) Baumert J, Huang J, McKnight B, ... **Rudnicka AR**, ... **Strachan DP**, Peters A, Smith NL. No Evidence for Genome-Wide Interactions on Plasma Fibrinogen by Smoking, Alcohol Consumption and Body Mass Index: Results from Meta-Analyses of 80,607 Subjects. *PLoS One* 2014;9:e1111156. PMID: 25551457.
- (12) Braithwaite I, Stewart AW, Hancox RJ, Beasley R, Murphy R, Mitchell EA; ISAAC Phase Three Study Group (includes **Anderson HR**, **Strachan DP**). Fast-food consumption and body mass index in children and adolescents: an international cross-sectional study. *BMJ Open* 2014;4:e005813. PMID: 25488096; PMCID: PMC4265088.
- (13) Brodt AM, **Stovold E**, Zhang L. Inhaled antibiotics for stable non-cystic fibrosis bronchiectasis: a systematic review. *Eur Respir J* 2014;44:382-93. PMID: 24925920.

- (14) Boraska V, Franklin CS, Floyd JA, ... The Wellcome Trust Case Control Consortium 3 (includes **Strachan DP**), ... Bulik CM. A genome-wide association study of anorexia nervosa. *Mol Psychiatry* 2014;19:1085-94. PMID: 24514567.
- (15) Braithwaite I, Stewart AW, Hancox RJ, Beasley R, Murphy R, Mitchell EA; ISAAC Phase Three Study Group (includes **Strachan DP**). Fast-food consumption and body mass index in children and adolescents: an international cross-sectional study. *BMJ Open* 2014;4:e005813. PMID: 25488096; PMCID: PMC4265088.
- (16) Burnett RT, Pope CA III, Ezzati M ... **Anderson HR** ...et al. An Integrated Risk Function for Estimating the Global Burden of Disease Attributable to Ambient Fine Particulate Matter Exposure. *Env Health Perspect* 2014;122:397-403. PMID: 24518036; PMCID: PMC3984213
- (17) **Carey IM, Shah SM, DeWilde S, Harris T**, Victor CR, **Cook DG**. Increased risk of acute cardiovascular events after partner bereavement: a matched cohort study. *JAMA Intern Med* 2014;174:598-605. PMID: 24566983.
- (18) **Cates CJ**, Wieland LS, Oleszczuk M, **Kew KM**. Safety of regular formoterol or salmeterol in adults with asthma: an overview of Cochrane reviews. *Cochrane Database Syst Rev* 2014 Feb 6;2:CD010314. PMID: 24504983.
- (19) Chanel O, Henschel S, Goodman PG, Analitis A, **Atkinson RW**, Le Tertre A, Zeka A, Medina S; Aphekom group. Economic valuation of the mortality benefits of a regulation on SO₂ in 20 European cities. *Eur J Public Health* 2014;24:631-7. PMID: 24567289.
- (20) Charakida M, Khan T, Johnson W, Finer N, Woodside J, **Whincup PH**, Sattar N, Kuh D, Hardy R, Deanfield J. Lifelong patterns of BMI and cardiovascular phenotype in individuals aged 60-64 years in the 1946 British birth cohort study: an epidemiological study. *Lancet Diabetes Endocrinol* 2014;2:648-654. PMID: 24856161.
- (21) Chen GB, Lee SH, Brion MJ, ... International IBD Genetics Consortium (includes **Strachan DP**). Estimation and partitioning of (co)heritability of inflammatory bowel disease from GWAS and immuno-chip data. *Hum Mol Genet* 2014;23:4710-20. PMID: 24728037; PMCID: PMC4119411.
- (22) Cousminer DL, Stergiakouli E, Berry DJ, ... ReproGen Consortium (includes **Strachan DP**), ...Early Growth Genetics Consortium (also includes **Strachan DP**). Genome-wide association study of sexual maturation in males and females highlights a role for body mass and menarche loci in male puberty. *Hum Mol Genet* 2014;23:4452-64. PMID: 24770850; PMCID: PMC4168307.
- (23) Collins M, Mason H, O'Flaherty M, Guzman-Castillo M, **Critchley J**, Capewell S. An economic evaluation of salt reduction policies to reduce coronary heart disease in England: a policy modeling study. *Value Health* 2014;17:517-24. PMID: 25128044.
- (24) Consonni D, **Barone-Adesi F**, Mensi C. Comment on 'The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)': methodological problems with case-only survival analysis. *Br J Cancer* 2014;111:1674. PMID: 24781281; PMCID: PMC4200077.
- (25) **Critchley JA**, Orton LC, **Pearson F**. Adjunctive steroid therapy for managing pulmonary tuberculosis. *Cochrane Database Syst Rev* 2014 Nov 12;11:CD011370. PMID: 25387839.
- (26) Dean SC, Kerry SM, Khong TK, **Kerry SR, Oakeshott P**. Evaluation of a specialist nurse-led hypertension clinic with consultant backup in two inner city general practices: randomized controlled trial. *Fam Pract* 2014;31:172-9. PMID: 24356073.
- (27) **Donin AS, Nightingale CM, Owen CG, Rudnicka AR**, Jebb SA, Ambrosini GL, Stephen AM, **Cook DG, Whincup PH**. Dietary energy intake is associated with type 2 diabetes risk markers in children. *Diabetes Care* 2014;37:116-123. PMID: 23939542; PMCID: PMC3966263.

- (28) **Donin AS, Nightingale CM, Owen CG, Rudnicka AR, Perkin MR**, Jebb SA, Stephen AM, Sattar N, **Cook DG, Whincup PH**. Regular breakfast consumption and type 2 diabetes risk markers in 9- to 10-year-old children in the child heart and health study in England (CHASE): a cross-sectional analysis. *PLoS Med* 2014;11:e1001703. PMID: 25181492; PMCID: PMC4151989.
- (29) Eastwood SV, Tillin T, Wright A, Mayet J, Godsland I, Forouhi NG, **Whincup P**, Hughes AD, Chaturvedi N. Thigh fat and muscle each contribute to excess cardiometabolic risk in South Asians, independent of visceral adipose tissue. *Obesity* 2014;22:2071-9. PMID: 24862429.
- (30) Emerging Risk Factors Collaboration; Di Angelantonio E, Gao P, Khan H, ..., **Whincup PH**, ..., Danesh J. Glycated hemoglobin measurement and prediction of cardiovascular disease. *JAMA* 2014;311:1225-1233. PMID: 24668104.
- (31) Favarato G, **Anderson HR, Atkinson RW**, Fuller G, Mills IC, Walton HA. Traffic-related pollution and asthma prevalence in children. Quantification of associations with nitrogen dioxide. *Air Qual Atmos Health* 2014;7:459-466. PMID: 25431630; PMCID: PMC4239711.
- (32) Fernandes RM, Oleszczuk M, Woods CR, Rowe BH, **Cates CJ**, Hartling L. The Cochrane Library and safety of systemic corticosteroids for acute respiratory conditions in children: an overview of reviews. *Evid Based Child Health* 2014;9:733-47. PMID: 25236311.
- (33) Fraz MM, **Rudnicka AR, Owen CG**, Barman SA. Delineation of blood vessels in pediatric retinal images using decision trees-based ensemble classification. *Int J Comput Assist Radiol Surg* 2014;9:795-811. PMID: 24366332.
- (34) Fuertes E, **Butland BK, Anderson HR**, Carlsten C, **Strachan DP**, Brauer M; ISAAC Phase Three Study Group. Childhood intermittent and persistent rhinitis prevalence and climate and vegetation: A global ecologic analysis. *Ann Allergy Asthma Immunol* 2014;113(4):386-92.e9. PMID: 25065574.
- (35) Ganesh SK, Chasman DI, Larson MG, ... Global Blood Pressure Genetics Consortium (includes **Strachan DP**), ... Chakravarti A. Effects of long-term averaging of quantitative blood pressure traits on the detection of genetic associations. *Am J Hum Genet* 2014;95:49-65. PMID: 24975945; PMCID: PMC4085637.
- (36) Garcia-Marcos L, Robertson CF, **Anderson HR**, Ellwood P, Williams HC, Wong GW; the ISAAC Phase Three Study Group (includes **Strachan DP**). Does migration affect asthma, rhinoconjunctivitis and eczema prevalence? Global findings from the international study of asthma and allergies in Childhood. *Int J Epidemiol* 2014;43:1846-54. PMID: 25056339.
- (37) **Gupta RP**, Perez-Padilla R, Marks G, Vollmer W, Menezes A, Burney P. Summarising published results from spirometric surveys of COPD: the problem of inconsistent definitions. *Int J Tuberc Lung Dis* 2014;18:998-1003. PMID: 25199020.
- (38) Hart A, Sugumar K, **Milan SJ**, Fowler SJ, Crossingham I. Inhaled hyperosmolar agents for bronchiectasis. *Cochrane Database Syst Rev* 2014;5:CD002996. PMID: 24817558.
- (39) Hernández G, Avila M, Pont A, Garin O, Alonso J, Laforest L, **Cates CJ**, Ferrer M; ASTRO-LAB group. Long-acting beta-agonists plus inhaled corticosteroids safety: a systematic review and meta-analysis of non-randomized studies. *Int J Tuberc Lung Dis* 2014;15:83. PMID: 25038591; PMCID: PMC4132190.
- (40) Hoggart CJ, Venturini G, Mangino M, ... GIANT Consortium (includes **Strachan DP**), ... Kutalik Z. Novel approach identifies SNPs in SLC2A10 and KCNK9 with evidence for parent-of-origin effect on body mass index. *PLoS Genet* 2014;10:e1004508. PMID: 25078964; PMCID: PMC4117451.

- (41) Holmes MV, Dale CE, Zuccolo L, ..., **Whincup PH**, ..., Casas JP. Association between alcohol and cardiovascular disease: Mendelian randomisation analysis based on individual participant data. *BMJ* 2014;349:g4164. PMID: 25011450; PMCID: PMC4091648.
- (42) Holt PJ, Sinha S, Ozdemir BA, Karthikesalingam A, **Poloniecki JD**, Thompson MM. Variations and inter-relationship in outcome from emergency admissions in England: a retrospective analysis of Hospital Episode Statistics from 2005-2010. *BMC Health Serv Res* 2014;14:270. PMID: 24947670; PMCID: PMC4099147.
- (43) Hotchkiss JW, Davies CA, Dundas R, Hawkins N, Jhund PS, Scholes S, Bajekal M, O'Flaherty M, **Critchley J**, Leyland AH, Capewell S. Explaining trends in Scottish coronary heart disease mortality between 2000 and 2010 using IMPACTSEC model: retrospective analysis using routine data. *BMJ* 2014;348:g1088. PMID: 24503058; PMCID: PMC3915926.
- (44) Huang J, Huffman JE, Yamakuchi M, ..., **Rudnicka AR**, ..., **Strachan DP**, O'Donnell CJ; CHARGE Consortium Hemostatic Factor Working Group. Genome-wide association study for circulating tissue plasminogen activator levels and functional follow-up implicates endothelial STXBP5 and STX2. *Arterioscler Thromb Vasc Biol* 2014;34:1093-101. PMID: 24578379; PMCID: PMC4009733.
- (45) Huckins LM, Boraska V, Franklin CS, Floyd JA, Southam L, Sullivan PF, Bulik CM, Collier DA, Tyler-Smith C, Zeggini E, Tachmazidou I; GCAN; WTCCC3 (includes **Strachan DP**). Using ancestry-informative markers to identify fine structure across 15 populations of European origin. *Eur J Hum Genet* 2014;22:1190-200. PMID: 24549058; PMCID: PMC4169539.
- (46) Jacobsen KK, Nievergelt CM, Zayats T, Greenwood TA, Anttila V, Akiskal HS; BiGS Consortium; International Headache Genetics Consortium (includes **Strachan DP**). Genome wide association study identifies variants in NBEA associated with migraine in bipolar disorder. *J Affect Disord* 2014;172C:453-461. PMID: 25451450.
- (47) Jefferis BJ, Sartini C, Lee IM, Choi M, Amuzu A, Gutierrez C, Casas JP, Ash S, Lennon LT, Wannamethee SG, **Whincup PH**. Adherence to physical activity guidelines in older adults, using objectively measured physical activity in a population-based study. *BMC Public Health* 2014;14:382. PMID: 24745369; PMCID: PMC4021412.
- (48) Jefferis BJ, Iliffe S, Kendrick D, Kerse N, Trost S, Lennon LT, Ash S, Sartini C, Morris RW, Wannamethee SG, **Whincup PH**. How are falls and fear of falling associated with objectively measured physical activity in a cohort of community-dwelling older men? *BMC Geriatr* 2014;14:114. PMID: 25348492; PMCID: PMC4223846.
- (49) Jefferis BJ, **Whincup PH**, Lennon LT, Papacosta O, Goya WS. Physical activity in older men: longitudinal associations with inflammatory and hemostatic biomarkers, N-terminal pro-brain natriuretic peptide, and onset of coronary heart disease and mortality. *J Am Geriatr Soc* 2014;62:599-606. PMID: 24635212.
- (50) Jefferis BJ, **Whincup PH**, Papacosta O, Wannamethee SG. Protective effect of time spent walking on risk of stroke in older men. *Stroke* 2014;45:194-199. PMID: 24232448.
- (51) Johnson W, Kuh D, Tikhonoff V, Charakida M, Woodside J, **Whincup P**, Hughes AD, Deanfield JE, Hardy R. Body mass index and height from infancy to adulthood and carotid intima-media thickness at 60 to 64 years in the 1946 British Birth Cohort Study. *Arterioscler Thromb Vasc Biol* 2014;34:654-660. PMID: 24458709
- (52) **Jones R**, Hardy R, Sattar N, Deanfield JE, Hughes A, Kuh D, **Murray ET**, **Whincup PH**, **Thomas C**. Novel coronary heart disease risk factors at 60-64 years and life course socioeconomic position: The 1946 British birth cohort. *Atherosclerosis* 2014;238:70-76. PMID: 25437893.

- (53) **Karner C**, Chong J, Poole P. Tiotropium versus placebo for chronic obstructive pulmonary disease. *Cochrane Database Syst Rev* 2014 Jul 21;7:CD009285. PMID: 25046211.
- (54) Karthikesalingam A, Holt PJ, **Vidal-Diez A**, Ozdemir BA, **Poloniecki JD**, Hinchliffe RJ, Thompson MM. Mortality from ruptured abdominal aortic aneurysms: clinical lessons from a comparison of outcomes in England and the USA. *Lancet* 2014;383:963-9. PMID: 24629298.
- (55) **Kapetanakis VV**, **Rudnicka AR**, **Wathern AK**, Lennon L, Papacosta O, **Cook DG**, Wannamethee SG, **Whincup PH**, **Owen CG**. Adiposity in early, middle and later adult life and cardiometabolic risk markers in later life; findings from the British Regional Heart Study. *PLoS One* 2014;9:e114289. PMID: 25474626; PMCID: PMC4256406.
- (56) **Kew KM**, Dias S, **Cates CJ**. Long-acting inhaled therapy (beta-agonists, anticholinergics and steroids) for COPD: a network meta-analysis. *Cochrane Database Syst Rev* 2014 Mar 26;3:CD010844. PMID: 24671923.
- (57) **Kew KM**, Kirtchuk L, Michell CI. Intravenous magnesium sulfate for treating adults with acute asthma in the emergency department. *Cochrane Database Syst Rev* 2014 May 28;5:CD010909. PMID: 24865567.
- (58) **Kew KM**, Seniukovich A. Inhaled steroids and risk of pneumonia for chronic obstructive pulmonary disease. *Cochrane Database Syst Rev* 2014 Mar 10;3:CD010115. PMID: 24615270.
- (59) Li O, **Kapetanakis V**, Claoué C. Simultaneous bilateral endophthalmitis after immediate sequential bilateral cataract surgery: what's the risk of functional blindness? *Am J Ophthalmol* 2014;157:749-751.e1. PMID: 24630205.
- (60) Liu CT, Buchkovich ML, Winkler TW, Heid IM; African Ancestry Anthropometry Genetics Consortium; GIANT Consortium (includes **Strachan DP**), Borecki IB, Fox CS, Mohlke KL, North KE, Adrienne Cupples L. Multi-ethnic fine-mapping of 14 central adiposity loci. *Hum Mol Genet* 2014;23:4738-44. PMID: 24760767; PMCID: PMC4119415.
- (61) Loth DW, Artigas MS, Gharib SA, ..., **Strachan DP**, ..., **Rudnicka AR**, ..., Tobin MD, London SJ. Genome-wide association analysis identifies six new loci associated with forced vital capacity. *Nat Genet* 2014;46:669-77. PMID: 24929828; PMCID: PMC4140093.
- (62) Marrero NM, He FJ, **Whincup P**, Macgregor GA. Salt intake of children and adolescents in South London: consumption levels and dietary sources. *Hypertension* 2014;63:1026-1032. PMID: 24614217.
- (63) Masi S, D'Aiuto F, Martin-Ruiz C, Kahn T, Wong A, Ghosh AK, **Whincup P**, Kuh D, Hughes A, von ZT, Hardy R, Deanfield JE. Rate of telomere shortening and cardiovascular damage: a longitudinal study in the 1946 British Birth Cohort. *Eur Heart J* 2014;35:3296-3303. PMID: 24957070.
- (64) Mahalingam S, Kalia P, Nagendran A, **Oakeshott P**. Undergraduate exposure to plastic surgery: the medical student perspective. *J Plast Reconstr Aesthet Surg* 2014;67:e125-6. PMID: 24444798.
- (65) Mason H, Shoabi A, Ghandour R, ...; MedCHAMPS project team (includes **Critchley J**). A cost effectiveness analysis of salt reduction policies to reduce coronary heart disease in four Eastern Mediterranean countries. *PLoS One* 2014;9:e84445. PMID: 24409297; PMCID: PMC3883693.
- (66) Michell C, **Oakeshott P**. Text messaging to promote health. *Br J Gen Pract* 2014;64:72-3. PMID: 24567598; PMCID: PMC3905439.
- (67) Mistry N, Sereboe L, **Oakeshott P**. HIV testing in pregnancy. *Sex Transm Infect* 2014;90:640. PMID: 25398730.

- (68) Mitchell EA, Clayton T, García-Marcos L, Pearce N, Foliaki S, Wong G; ISAAC Phase Three Study Group (includes **Anderson HR, Strachan DP**). Birthweight and the risk of atopic diseases: the ISAAC Phase III study. *Pediatr Allergy Immunol* 2014;25:264-70. PMID: 24750571.
- (69) Mukherjee M, **Gupta R**, Farr A, ... **Strachan D**, Davies G, McKinstry B, Sheikh A; Burden and True Cost of Asthma in the UK Research Team. Estimating the incidence, prevalence and true cost of asthma in the UK: secondary analysis of national stand-alone and linked databases in England, Northern Ireland, Scotland and Wales-a study protocol. *BMJ Open* 2014;4:e006647. PMID: 25371419; PMCID: PMC4225242.
- (70) Murphy R, Stewart AW, Braithwaite I, Beasley R, Hancox RJ, Mitchell EA; ISAAC Phase Three Study Group (includes **Anderson HR, Strachan DP**). Antibiotic treatment during infancy and increased body mass index in boys: an international cross-sectional study. *Int J Obes* 2014;38:1115-9. PMID: 24257411.
- (71) **Normansell R**. How should we describe worsening asthma in Cochrane reviews, and does it matter? *Cochrane Database Syst Rev* 2014 Nov 12;11:ED000092. PMID: 25517002.
- (72) **Normansell R**, Smith J, Victor C, **Cook DG**, Kerry S, Iliffe S, **Ussher M**, Fox-Rushby J, **Whincup P**, **Harris T**. Numbers are not the whole story: a qualitative exploration of barriers and facilitators to increased physical activity in a primary care based walking intervention. *BMC Public Health* 2014;14:1272. PMID: 25511452
- (73) **Normansell R**, Walker S, Milan SJ, Walters EH, Nair P. Omalizumab for asthma in adults and children. *Cochrane Database Syst Rev* 2014 Jan 13;1:CD003559. PMID: 24414989.
- (74) Pasaniuc B, Zaitlen N, Shi H, Bhatia G, Gusev A, Pickrell J, Hirschhorn J, **Strachan DP**, Patterson N, Price AL. Fast and accurate imputation of summary statistics enhances evidence of functional enrichment. *Bioinformatics* 2014;30:2906-14. PMID: 24990607.
- (75) Perry JR, Day F, Elks CE, ... **Strachan DP**, ... Ong KK. Parent-of-origin-specific allelic associations among 106 genomic loci for age at menarche. *Nature* 2014;514:92-7. PMID: 25231870; PMCID: PMC4185210.
- (76) Peters H, **Whincup PH**, **Cook DG**, Law C, Li L. Trends in resting pulse rates in 9-11-year-old children in the UK 1980-2008. *Arch Dis Child* 2014;99:10-14. PMID: 24225271; PMCID: PMC3888592.
- (77) Ramsay SE, Morris RW, **Whincup PH**, Papacosta AO, Lennon LT, Wannamethee SG. Time trends in socioeconomic inequalities in cancer mortality: results from a 35 year prospective study in British men. *BMC Cancer* 2014;14:474. PMID: 24975430; PMCID: PMC4083875.
- (78) Ramsay SE, **Whincup PH**, Papacosta O, Morris RW, Lennon LT, Wannamethee SG. Inequalities in heart failure in older men: prospective associations between socioeconomic measures and heart failure incidence in a 10-year follow-up study. *Eur Heart J* 2014;35:442-447. PMID: 24142349.
- (79) Riza AL, **Pearson F**, Ugarte-Gil C, Alisjahbana B, van de Vijver S, Panduru NM, Hill PC, Ruslami R, Moore D, Aarnoutse R, **Critchley JA**, van Crevel R. Clinical management of concurrent diabetes and tuberculosis and the implications for patient services. *Lancet Diabetes Endocrinol* 2014;2:740-53. PMID: 25194887.
- (80) Rogers A, **Harris T**, Victor C, Woodcock A, **Limb E**, Kerry S, Iliffe S, **Whincup P**, Ekelund U, Beighton C, **Ussher M**, Adams F, **Cook DG**. Which older people decline participation in a primary care trial of physical activity and why: insights from a mixed methods approach. *BMC Geriatr* 2014;14:46. PMID: 24725730.

- (81) Schikowski T, Mills IC, **Anderson HR**, Cohen A, Hansell A, Kauffmann F, Kramer U, Marcon A, Perez L, Sunyer J, Probst-Hensch N, Kunzli N. Ambient air pollution- a cause for COPD? *Eur Respir J* 2014;43:250-263. PMID: 23471349.
- (82) Scholtens S, Postma DS, Moffatt MF, ... **Strachan DP**, Koppelman GH, Boezen HM. Novel childhood asthma genes interact with in utero and early-life tobacco smoke exposure. *J Allergy Clin Immunol* 2014;133:885-8. PMID: 24315450.
- (83) Sinha S, Ata Ozdemir B, Khalid U, Karthikesalingam A, **Poloniecki JD**, Thompson MM, Holt PJ. Failure-to-rescue and interprovider comparisons after elective abdominal aortic aneurysm repair. *Br J Surg* 2014;101:1541-50. PMID: 25203630.
- (84) Sinha S, Karthikesalingam A, **Poloniecki JD**, Thompson MM, Holt PJ. Inter-relationship of procedural mortality rates in vascular surgery in England: retrospective analysis of hospital episode statistics from 2005 to 2010. *Circ Cardiovasc Qual Outcomes* 2014;7:131-41. PMID: 24399331.
- (85) Smit LA, **Strachan DP**, Vermeulen R, ..., Bouzigon E. Human leukocyte antigen class II variants and adult-onset asthma: does occupational allergen exposure play a role? *Eur Respir J* 2014;44:1234-42. PMID: 25034568.
- (86) **Stovold E**, Beecher D, Foxlee R, Noel-Storr A. Study flow diagrams in Cochrane systematic review updates: an adapted PRISMA flow diagram. *Syst Rev* 2014;3:54. PMID: 24886533; PMCID: PMC4046496.
- (87) Tabassum F, Kumari M, Rumley A, Power C, **Strachan DP**, Lowe G. Lifecourse social position and d-dimer; findings from the 1958 british birth cohort. *PLoS One* 2014;9:e93277. PMID: 24809471.
- (88) Tang W, Kowgier M, Loth DW, ... **Strachan DP**, ... Cassano PA. Large-scale genome-wide association studies and meta-analyses of longitudinal change in adult lung function. *PLoS One* 2014;9(7):e100776. PMID: 24983941; PMCID: PMC4077649.
- (89) Taylor AE, Morris RW, Fluharty ME, ..., **Whincup PH**, ..., Sattar N. Stratification by Smoking Status Reveals an Association of CHRNA5-A3-B4 Genotype with Body Mass Index in Never Smokers. *PLoS Genet* 2014;10(12):e1004799. PMID: 25474695; PMCID: PMC4256159.
- (90) Tear A, Herbert J, **Oakeshott P**. Promoting HIV testing, chlamydia testing and long-acting reversible contraception. *Sex Transm Infect* 2014;90:207. PMID: 24719034.
- (91) Terracini B, Mirabelli D, Magnani C, Ferrante D, **Barone-Adesi F**, Bertolotti M. A critique to a review on the relationship between asbestos exposure and the risk of mesothelioma. *Eur J Cancer Prev* 2014;23:492-4. PMID: 25068808.
- (92) Tertre A, Henschel S, **Atkinson RW**, Analitis A, Zeka A, Katsouyanni K, Goodman P, Medina S. Impact of legislative changes to reduce the sulphur content in fuels in Europe on daily mortality in 20 European cities: an analysis of data from the Aphekom project. *Air Qual Atmos Health* 2014;7:83-91. PMID: Not listed in PubMed. doi:10.1007/s11869-013-0215-x.
- (93) Thorolfsdottir RB, Aspelund T, Capewell S, **Critchley J**, Gudnason V, Andersen K. Population assessment of future trajectories in coronary heart disease mortality. *PLoS One* 2014;9:e85800. PMID: 24465713; PMCID: PMC3897505.
- (94) Tillin T, Hughes AD, **Whincup P**, Mayet J, Sattar N, McKeigue PM, Chaturvedi N. Ethnicity and prediction of cardiovascular disease: performance of QRISK2 and Framingham scores in a U.K. tri-ethnic prospective cohort study (SABRE--Southall And Brent REvisited). *Heart* 2014;100:60-67. PMID: 24186564.
- (95) Tillin T, Hughes AD, **Whincup P**, Mayet J, Sattar N, McKeigue PM, Chaturvedi N. QRISK2 validation by ethnic group. *Heart* 2014;100:437. PMID: 24368282

- (96) van Crevel R, Dockrell HM; TANDEM Consortium (includes **Critchley J**). TANDEM: understanding diabetes and tuberculosis. *Lancet Diabetes Endocrinol* 2014;2:270-2. PMID: 24703039.
- (97) Wannamethee SG, Shaper AG, **Whincup PH**, Lennon L, Papacosta O, Sattar N. The obesity paradox in men with coronary heart disease and heart failure: the role of muscle mass and leptin. *Int J Cardiol* 2014;171:49-55. PMID: 24331120; PMCID: PMC3909461.
- (98) Wannamethee SG, Welsh P, Papacosta O, Lennon L, **Whincup PH**, Sattar N. Elevated parathyroid hormone, but not vitamin D deficiency, is associated with increased risk of heart failure in older men with and without cardiovascular disease. *Circ Heart Fail* 2014;7:732-739. PMID: 25104043.
- (99) Wannamethee SG, Welsh P, **Whincup PH**, Lennon L, Papacosta O, Sattar N. N-terminal pro brain natriuretic peptide but not copeptin improves prediction of heart failure over other routine clinical risk parameters in older men with and without cardiovascular disease: population-based study. *Eur J Heart Fail* 2014;16:25-32. PMID: 23901058.
- (100) Wannamethee SG, **Whincup PH**, Lennon L, Papacosta O, Lowe GD. Associations between fibrin d-dimer, markers of inflammation, incident self-reported mobility limitation, and all-cause mortality in older men. *J Am Geriatr Soc* 2014;62:2357-2362. PMID: 25516032.
- (101) Weinmayr G, Forastiere F, Büchele G, Jaensch A, **Strachan DP**, Nagel G; ISAAC Phase Two Study Group. Overweight/Obesity and Respiratory and Allergic Disease in Children: International Study of Asthma and Allergies in Childhood (ISAAC) Phase Two. *PLoS One* 2014;9:e113996. PMID: 25474308; PMCID: PMC4256390.
- (102) West J, Wright J, Fairley L, Sattar N, **Whincup P**, Lawlor DA. Do ethnic differences in cord blood leptin levels differ by birthweight category? Findings from the Born in Bradford cohort study. *Int J Epidemiol* 2014;43:249-254. PMID: 24291804
- (103) Wilkinson M, Hart A, **Milan SJ**, Sugumar K. Vitamins C and E for asthma and exercise-induced bronchoconstriction. *Cochrane Database Syst Rev* 2014;6:CD010749. PMID: 24936673.
- (104) Wilkinson M, Sugumar K, **Milan SJ**, Hart A, Crockett A, Crossingham I. Mucolytics for bronchiectasis. *Cochrane Database Syst Rev* 2014;5:CD001289. PMID: 24789119.
- (105) Williams ML, **Atkinson RW**, **Anderson HR**, Kelly FJ. Associations between daily mortality in London and combined oxidant capacity, ozone and nitrogen dioxide. *Air Qual Atmos Health* 2014;7:407-414. PMID: 25431629; PMCID: PMC4239710.
- (106) Williams RP, **Oakeshott P**. Diagnosis and management of chronic heart failure. *BMJ* 2014;348:g1429. PMID: 24523371.
- (107) Winkler TW, Day FR, Croteau-Chonka DC, ... Genetic Investigation of Anthropometric Traits (GIANT) Consortium (includes **Strachan DP**). Quality control and conduct of genome-wide association meta-analyses. *Nat Protoc* 2014;9:1192-212. PMID: 24762786; PMCID: PMC4083217.
- (108) Wood AR, Esko T, Yang J, ... **Strachan DP**, ... Hirschhorn JN, Frayling TM. Defining the role of common variation in the genomic and biological architecture of adult human height. *Nat Genet* 2014;46:1173-86. PMID: 25282103.

Annex 6: Population Health Research Centre: Pre-Publications 2014

Papers not yet published in print following E-publications in 2014

- (1) **Atkinson RW, Carey IM, Kent AJ, van Staa TP, Anderson HR, Cook DG.** Long-term exposure to outdoor air pollution and the incidence of chronic obstructive pulmonary disease in a national English cohort. *Occup Environ Med* 2014 Aug 20. doi:10.1136/oemed-2014-102266. [Epub ahead of print – 2015 Jan;72(1):42-8.] PMID: 25146191.
- (2) **Atkinson RW, Mills IC, Walton HA, Anderson HR.** Fine particle components and health – a systematic review and meta-analysis of time-series studies of daily mortality and hospital admissions. *J Exp Sci Environ Epidemiol* 2014 Sep 17. doi: 10.1038/jes.2014.63. [Epub ahead of print] PMID: 25227730.
- (3) **Critchley J, Zaman S, Maziak W.** MedCHAMPS: Mediterranean studies of cardiovascular disease and hyperglycaemia: analytical modelling of population socio-economic transitions. *Int J Public Health* 2014 Nov 15. [Epub ahead of print] PMID: 25398319.
- (4) Connor MJ, Springford LR, **Kapetanakis VV, Giuliani S.** Esophageal atresia and transitional care-step 1: a systematic review and meta-analysis of the literature to define the prevalence of chronic long-term problems. *Am J Surg* 2014 Dec 4. [Epub ahead of print] PMID: 25605033
- (5) Cooper PJ, Chico ME, Platts-Mills TA, Rodrigues LC, **Strachan DP, Barreto ML.** Cohort Profile: The Ecuador Life (ECUAVIDA) study in Esmeraldas Province, Ecuador. *Int J Epidemiol* 2014 Jul 2. pii: dyu128. [Epub ahead of print] PMID: 24990475.
- (6) Ghandour R, Shoaibi A, Khatib R, Abu Rmeileh N, Unal B, Sözmen K, Kılıç B, Fouad F, Al Ali R, Ben Romdhane H, Aissi W, Ahmad B, Capewell S, **Critchley J, Hussein A.** Priority setting for the prevention and control of cardiovascular diseases: multi-criteria decision analysis in four eastern Mediterranean countries. *Int J Public Health* 2014 May 31. [Epub ahead of print] PMID: 24879318.
- (7) Jefferis BJ, Sartini C, Ash S, Lennon LT, Wannamethee SG, Lee IM, **Whincup PH.** Trajectories of Objectively Measured Physical Activity in Free-Living Older Men. *Med Sci Sports Exerc* 2014 Jul 1. [Epub ahead of print] PMID: 24988411.
- (8) Jefferis BJ, Sartini C, Shiroma E, **Whincup PH, Wannamethee SG, Lee IM.** Duration and breaks in sedentary behaviour: accelerometer data from 1566 community-dwelling older men (British Regional Heart Study). *Br J Sports Med* 2014 Sep 17. pii: bjsports-2014-093514. doi: 10.1136/bjsports-2014-093514. [Epub ahead of print] PMID: 25232029.
- (9) Kaye GC, Linker NJ, Marwick TH, Pollock L, Graham L, Pouliot E, **Poloniecki J, Gammage M;** on behalf of the Protect-Pace trial investigators. Effect of right ventricular pacing lead site on left ventricular function in patients with high-grade atrioventricular block: results of the Protect-Pace study. *Eur Heart J* 2014. pii: ehu304. [Epub ahead of print] PMID: 25189602.
- (10) Kim C, Gao YT, Xiang YB, **Barone-Adesi F, ... Rothman N, Lan Q.** Home kitchen ventilation, cooking fuels, and lung cancer risk in a prospective cohort of never smoking women in Shanghai, China. *Int J Cancer* 2014 Jun 28 [E-pub ahead of print 2015 Feb 15;136(3):632-8]. PMID: 24917360; PMCID: PMC4232458.
- (11) Kreiner-Møller E, **Strachan DP, Linneberg A, Husemoen LL, Bisgaard H, Bønnelykke K.** 17q21 gene variation is not associated with asthma or susceptibility to smoking in adult populations. *Allergy* 2014 Oct 21. [Epub ahead of print] PMID: 25331618.
- (12) Le Tertre A, Henschel S, **Atkinson RW, Analitis A, Zeka A, Katsouyanni K, Goodman PG, Medina S.** Impact of legislative changes to reduce the sulphur content in fuels in Europe on

daily mortality in 20 European cities: an analysis of data from the Aphekom project. *Air Qual Atmos Health* 2014 [Epub ahead of print] doi:10.1007/s11869-013-0215-x 3. PMID: Not listed in PubMed.

- (13) **Nightingale CM, Rudnicka AR, Owen CG, Newton SL**, Bales JL, **Donin AS, McKay CM**, Steer PJ, Lawlor DA, Sattar N, **Cook DG, Whincup PH**. Birthweight and risk markers for type 2 diabetes and cardiovascular disease in childhood: the Child Heart and Health Study in England (CHASE). *Diabetologia* 2014 Dec 18. [Epub ahead of print] PMID: 25520157.
- (14) Nyholt DR; for the International Headache Genetics Consortium (includes **Strachan DP**). Concordance of genetic risk across migraine subgroups: Impact on current and future genetic association studies. *Cephalalgia* 2014 Sep 1. pii: 0333102414547784. [Epub ahead of print] PMID: 25179292.
- (15) Ramsay SE, Arianayagam DS, **Whincup PH**, Lennon LT, Cryer J, Papacosta AO, Iliffe S, Wannamethee SG. Cardiovascular risk profile and frailty in a population-based study of older British men. *Heart* 2014 Dec 5. [Epub ahead of print] PMID: 25480883..
- (16) Rahmioglu N, Macgregor S, Drong AW, ... The International Endogene Consortium; The GIANT Consortium (includes **Strachan DP**). Genome-wide enrichment analysis between endometriosis and obesity-related traits reveals novel susceptibility loci. *Hum Mol Genet* 2014 Oct 8. pii: ddu516. [Epub ahead of print] PubMed PMID: 25296917.
- (17) **Strachan DP**, Ait-Khaled N, Foliaki S, Mallol J, Odhiambo J, Pearce N, Williams HC; The ISAAC Phase Three Study Group. Siblings, Asthma, rhinoconjunctivitis and eczema: a worldwide perspective from the International Study Of Asthma And Allergies In Childhood. *Clin Exp Allergy* 2014 Jun 10. [Epub ahead of print] PMID: 24912652.
- (18) Sözmen K, Unal B, Capewell S, **Critchley J**, O'Flaherty M. Estimating diabetes prevalence in Turkey in 2025 with and without possible interventions to reduce obesity and smoking prevalence, using a modelling approach. *Int J Public Health* 2014 Dec 4. [Epub ahead of print] PMID: 25471076.
- (19) Sözmen K, Unal B, Saidi O, Romdhane HB, Abu-Rmeileh NM, Hussein A, Fouad F, Maziak W, Bennett K, O'Flaherty M, Capewell S, **Critchley J**. Cardiovascular risk factor trends in the Eastern Mediterranean region: evidence from four countries is alarming. *Int J Public Health* 2014 Oct 4. [Epub ahead of print] PMID: 25280526.
- (20) Swerdlow DI, Preiss D, Kuchenbaecker KB, ..., **Whincup PH**, ..., Hingorani AD, Sattar N. HMG-coenzyme A reductase inhibition, type 2 diabetes, and bodyweight: evidence from genetic analysis and randomised trials. *Lancet* 2014 Sep 24. pii: S0140-6736(14)61183-1. doi: 10.1016/S0140-6736(14)61183-1. [Epub ahead of print] PMID: 25262344.
- (21) Wade KH, Forouhi NG, **Cook DG**, Johnson P, McConnachie A, Morris RW, Rodriguez S, Ye Z, Ebrahim S, Padmanabhan S, Watt G, Bruckdorfer KR, Wareham NJ, **Whincup PH**, Chanock S, Sattar N, Lawlor DA, Davey SG, Timpson NJ. Variation in the SLC23A1 gene does not influence cardiometabolic outcomes to the extent expected given its association with l-ascorbic acid. *Am J Clin Nutr* 2014 Nov 19. [Epub ahead of print 2015;101:202-209]. PMID: 25527764
- (22) **Welsh E, Stovold E, Karner C, Cates C**. Cochrane Airways Group reviews were prioritized for updating using a pragmatic approach. *J Clin Epidemiol* 2014 Nov 6. pii: S0895-4356(14)00449-1. [Epub ahead of print] PMID: 25523374.

**Annex 7: Population Health Research Centre:
Research grants active during 2010-2014**

See landscape tables overleaf

SGUL lead	Funder	Title	Amount	To SGUL	Collaborators	Start	End
Atkinson	EC	Improving knowledge and communication for decision making on air pollution and health in Europe	22,097	22,097	-	01/06/2008	31/03/2011
Atkinson	DH	An investigation in to the effects of long term exposure to air polution on cardiorespiratory morbidity in a large population cohort	196,938	196,938	-	01/04/2009	30/09/2012
Atkinson	DH	A study of the concentration-response relationship for the effects of ozone on health	168,634	168,634	-	01/04/2009	04/10/2011
Atkinson	NERC	Air pollution and weather-related health impacts methodological study based on spatiotemporarily disaggregated multi-polutant models	1,559,612	261,653	LSHTM	01/10/2011	30/04/2015
Atkinson	NERC	Traffic air pollution and health in London	1,975,000	400,490	KCL, LSHTM	01/11/2011	31/08/2015
Atkinson	DH	Systematic review and quantitative meta-analysis of the evidence for associations between chronic and short-term exposure to outdoor air pollutants and health	164,727	164,727	-	01/04/2012	31/03/2013
Cates	NIHR	Core support for the Cochrane Airways Group	821,591	821,591	-	01/04/2010	31/03/2015
Cates	NIHR	Reviews of current treatment of COPD and asthma in adults and children	269,511	269,511	-	01/10/2010	30/04/2014
Cates	NIHR	Evidence to guide care in adults and children with asthma	298,120	247,708	Lancaster	01/05/2014	30/04/2017
Cook	NIHR	A multi-centre randomised trial comparing the effectiveness of enhanced motivational interviewing with usual care for reducing cardiovascular risk	2,000,000	21,410	KCL	01/01/2013	31/12/2016
Critchley	MRC-NPRI	Prevention IMPACT: developing and evaluating economic models for planning optimal cardiovascular prevention strategies	627,012	189,962	Glasgow Caledonian	01/07/2010	31/06/2013
Critchley	EC-CHAFEA	EUROHEART-II	€2.2M	€108K	International consortium	01/03/2011	28/02/2014
Critchley	EC-FP7	RESCAP-MED (NCDs and their social determinants in Mediterranean countries: building sustainable research capacity for effective policy intervention	€2.0M	€103K	International consortium	01/01/2012	31/12/2014
Critchley	EC-FP7	TANDEM (Concurrent Tuberculosis and Diabetes Mellitus: unravelling the causal link and improving care	€5.0M	€400K	International consortium	01/02/2013	31/01/2017
Harris	NIHR-RFPB	A RCT of a pedometer-based intervention combined with primary care physical activity consultations, in patients aged 60-74 (PACE-Lift)	336,350	286,608	Reading, RHUL	01/09/2011	02/04/2014
Harris	NIHR-HTA	Randomised controlled trial of a pedometer-based walking intervention with & without practice nurse support in patients aged 45-74 (PACE-UP)	1,162,018	1,013,482	Brunel, QMUL	01/03/2012	31/05/2015

SGUL lead	Funder	Title	Amount	To SGUL	Collaborators	Start	End
Nicholas	Re-Solv	Big Lottery grant paid through Re-Solv for VSA historical database	29,388	29,388	-	23/07/2010	indefinite
Nightingale & Whincup	NIHR	Adiposity and obesity in 9-10 year old UK children of South Asian, Black African-Caribbean and White European origin – patterns, determinants and consequences for emerging risks of type 2 diabetes and cardiovascular disease [PhD training fellowship for Claire Nightingale]	303,230	303,230	-	01/10/2010	30/09/2013
Oakeshott	NIHR	Improving women's reproductive health by evaluating the impact of Chlamydia screening and M genitalium testing on clinical outcomes	98,000	20,572	UCL	12/01/2011	11/04/2012
Sadiq [with Oakeshott]	MRC	Translating advances in diagnostic and communications technologies to reduce the burden of STIs	5,727,515	(small % PHRC)	SGUL (I&I)	01/02/2011	31/01/2016
Oakeshott	Newlife	Spina bifida cohort study	7,796	7,796	-	01/06/2012	31/05/2013
Oakeshott	MRC	Screening for chlamydia related bacteria to prevent miscarriage	62,148	62,148	-	01/09/2013	28/02/2015
Owen	BUPA	Retinal microvascular structure in British children of South Asian, black African Caribbean and white European origin	98,741	98,741	-	01/06/2008	31/05/2010
Owen	BHF	Adiposity over the lifecourse and risks of cardiovascular disease, type 2 diabetes, mobility limitation and healthy survival in older men	175,396	175,396	-	01/10/2010	12/11/2013
Owen	Macular Disease Society	Prevalence of age related macular degeneration (AMD) in the UK	42,008	42,008	-	01/10/2010	30/09/2011
Owen	MRC-NPRI	Will moving into social and affordable housing in the Athletes' Village increase family physical activity levels?	684,981	684,244	Bristol	01/06/2012	31/01/2017
Owen	NIHR-PHP	Does Active Design Increase Walking and Cycling?	772,581	260,861	Bristol, LSHTM	01/06/2014	31/05/2017
Owen	MRC	Automated retinal microvascular quantification as a predictor of cardiovascular disease risk in later life	147,604	58,632	Kingston, Cambridge	01/10/2014	30/09/2015
Rudnicka	BUPA	A systematic overview of geographic variations and time trends in the prevalence of childhood myopia: implications for aetiology and early prevention	40,158	40,158	-	01/10/2012	31/12/2014
Rudnicka	NIHR-HTA	Can automated diabetic retinopathy image assessment softwares replace one or more steps of manual imaging grading and is this cost-effective for the English National Health Service?	368,453	75,601	Moorfields, Bristol Eye Hospital, LSE	01/06/2013	31/12/2014

SGUL lead	Funder	Title	Amount	To SGUL	Collaborators	Start	End
Shah	BUPA	An Investigation of the Quality of Primary Care for Older Care home Residents using Anonymised Linkage in a Primary Care Database	144,161	144,161	-	01/02/2009	31/04/2011
Shah	Dunhill	The health and healthcare impact of bereavement in older people	135,136	135,136	-	01/04/2011	30/09/2013
Shah	CQC	Research project to develop appropriate measures for the quality of medical care and prescribing in care homes	11,660	11,660	-	01/07/2011	31/12/2011
Shah	NIHR-HS&DR	An Evaluation of the Effectiveness of Annual Health Checks and Quality of Health Care for Adults With Learning Disability	310,750	310,750	-	01/11/2013	31/04/2016
Strachan	ERS	The European Lung White Book (collation of epidemiological data)	€90K	€90K	-	01/09/2011	30/08/2012
Strachan	MRC	UK Biobank Lung Exome Variant Evaluation (UK BILEVE)	3,245,023	14,782	Leicester, Nottingham	01/11/2012	31/10/2014
Strachan	BLF	The Respiratory Health of the Nation	249,957	128,565	Edinburgh, Nottingham, Imperial	01/01/2013	31/12/2015
Strachan	AUK	Identifying the true cost of asthma in the UK	99,608	8,000	Edinburgh	31/10/2013	30/09/2014
Thomas & Whincup	MRC	Novel cardiovascular risk markers: early outcomes and determinants in the National Survey of Health and Development	406,000	228,650	UCL	01/10/2011	31/12/2013
Whincup	BHF	Ethnic differences in dietary patterns in children and their contribution to emerging differences in cardiovascular disease and type 2 diabetes [PhD studentship for Angela Donin]	98,736	98,736	-	01/07/2008	30/06/2011
Whincup	BUPA	Influence of socioeconomic factors on emerging risks of obesity, type 2 diabetes and cardiovascular disease in 9-10-year-old children of South Asian, black Caribbean and white European origin	80,220	80,220	-	01/01/2010	30/06/2011
Whincup	BUPA	Investigating the early emergence of ethnic differences in type 2 diabetes risk in UK South Asian, African-Caribbean and white European children: the role of childhood and early life factors	98,000	98,000	-	01/06/2011	31/05/2013
Whincup	BHF	Calibrating bioelectrical impedance measurements in South Asian and white European children	75,794	75,794	-	01/09/2011	31/08/2012
Whincup	Diabetes UK	Emerging ethnic differences in type 2 diabetes risk in children of South Asian, African-Caribbean and European origin: role of early life factors	70,324	70,324	-	01/05/2012	30/09/2014
Whincup	NIHR	South London CLAHRC: Diabetes Theme	213,000	106,500	KHP	01/01/2014	31/03/2017