

St George's University of London Population Health Research Institute Annual Review, 2014

Introduction

The Population Health Research Institute (PHRI) was one of three research institutes formed at St George's University of London (SGUL) in February 2014. It comprises the former Population Health Research Centre (PHRC) plus public health teachers and mental health researchers from the former Division of Population Health Sciences and Education (PHSE).

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.

Major issues that we are addressing in our current research programme 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 medical care for adults with learning disability
- Evaluating peer support for mental health patients and vulnerable teenagers

Staffing

During its first year of operation, the Institute has comprised approximately 60 staff plus 20 honorary or visiting members. This includes the following academic posts:

- 4 full-time professors of epidemiology (Cook, Critchley, Strachan, Whincup)
- 1 full-time professor of behavioural medicine (Ussher)
- 0.3 FTE professor of general practice (Oakeshott)
- 2 emeritus professors (Anderson, Lacey)
- 2 full-time readers in epidemiology (Atkinson, Owen)
- 1.2 FTE readers in medical statistics (Poloniecki, Rudnicka)
- 0.5 FTE reader in general practice (Harris)
- 1.5 FTE readers in psychiatry or mental health (Gillard, Mezey)
- 2.6 FTE senior lecturers or senior fellows in general practice and/or public health (Alderslade, Cates, De Wilde, Shah, Thomas)
- 1.5 FTE lecturers in epidemiology or medical statistics (Barone-Adesi, Butland)

The remaining staff, mostly research assistants and research fellows, are funded mainly by research grants or by the SW London & St George's Mental Health Trust.

Professor David Strachan, previously Head of PHRC, was appointed as Director of PHRI from its inception. The Institute currently has no SGUL-funded administrative support, as our Research Institute Manager (RIM) post is frozen as a contribution to the School's financial improvement programme. Cheryl Furness combines RIM duties with research management tasks, an arrangement which is funded through two research grants until July 2016.

Estates and facilities

The Institute is co-located with the Institute of Medical and Biomedical Education (IMBE) on the 6th floor of Hunter wing.

Following some reconfiguration of office spaces on in early 2015, PHRI is accommodated in about 500m² office space and shares with IMBE adjacent meeting rooms (200m²), hotdesk area (20m²), social space (20m²) and kitchen (25m²). PHRI also occupies 30m² storage (for paper archives and survey equipment) and 100m² air-conditioned rooms (for freezers) in the centre of Hunter level 6.

We make regular use of the central computing facilities for statistical analysis and periodically use these more intensively for data processing. We make no use of "core" research facilities in Jenner Wing, nor do we envisage any such use in the future.

Teaching activity during 2013-14

During the academic year 2013-14, members of the PHRI contributed a total of 4027 weighted teaching hours (including role hours) to undergraduate and taught postgraduate courses at SGUL, together comprising 3.4% of all non-PhD teaching diary time across SGUL.

Our commitments to PhD/MD supervision are relatively light, totalling 605 weighted teaching hours (5.4% of the SGUL total) during the academic year 2013-14. An NIHR-funded PhD student (Claire Nightingale) successfully completed during 2014. At the start of 2015, there are five SGUL-registered PhD students under supervision in PHRI.

Research outputs during 2014 (annexes 1-3)

Journal publications by PHRI members during 2014 are listed at annexes 1-3. There were 137 journal papers in print during 2014, including 1 paper in Nature, 1 in JAMA, 1 in Lancet, 3 in BMJ and 1 in PLoS Medicine, as well as many in leading specialist journals.

Forward momentum is evident, with a further 33 E-publications ahead of print during 2014, and three new papers which were published in PLoS Medicine and Nature early in 2015.

Research Excellence Framework 2014

Thirteen members of PHRI contributed to SGUL's submission in Unit of Assessment 2 of REF 2014 (Public Health, Health Services and Primary Care). This REF return was compiled in autumn 2013, so it pre-dates the formation of the institute. The School did not submit a REF 2014 return for mental health. Thus, the 11.57 FTE academic staff submitted in UoA2

represent three-quarters of the eligible academic staff within PHRI, but all of the 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 our REF submission, results and feedback are compiled separately.

Research grants active during 2014 (annex 4)

Over the REF 2014 reporting period (2008-9 to 2012-13), research grant spending within Population Health (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.

This pattern of funding has been maintained recently, as illustrated by the list of active research grants held by PHRI investigators shown as annex 4.

Additionally, there are several awards which will commence in 2015 and provide evidence of forward momentum:

- An NIHR grant of £1 million over 5 years 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).
- An NIHR grant of £2 million (£0.9 million to SGUL) over 5 years for evaluation of peer-led interventions in mental health care (Gillard, in collaboration with several NHS mental health trusts).
- A grant of \$1 million (\$300,000 to SGUL) over 4 years from the Qatar National Research Fund to study links between tuberculosis and diabetes (Critchley, in collaboration with Weill-Cornell and Doha Universities).
- An NIHR grant of £334,000 over 2 years to explore social inclusion in individuals with severe mental health problems (Mezey, in collaboration with University College London and Bristol University).

External activities during 2014

Atkinson is a member of the Department of Health (DH) Advisory Committee on Medical Effects of Air Pollution (COMEAP) and Strachan serves on a COMEAP subgroup on quantification (QUARK). During 2012-2014, Strachan served as academic advisor to the DH-funded National Review of Asthma Deaths, conducted by the Royal College of Physicians.

Ussher acts as a consultant for the Department of Health on tobacco control and most recently has been the main academic advisor for the development and evaluation of the nationally disseminated 'Quit Kit'. He is a member of the expert group responsible for updating National Institute for Health and Clinical Excellence guidance on 'How to stop smoking in pregnancy and following childbirth'.

Critchley is an editor on the Cochrane Infectious Diseases Group. Welsh is a member of the Methods Application and Review Standards Working Group which advises the Editor-in-Chief of the Cochrane Collaboration on methodological issues. Since September 2014, Stovold has been an elected representative member of the Cochrane Steering Group.

Critchley is an editorial advisor for BMC Infectious Diseases and an external expert for the Global Burden of Disease Project. Ussher is a senior editor for the journal Addiction. Goodair is a member of the editorial board for the journal Drugs and Alcohol Today.

Oakeshott is a member of the NIHR Research for Patient Benefit grants panel for London and Whincup is a member of the British Heart Foundation Project Grant Committee. During 2014, Owen was appointed as a member of the Research Funding Board of the NIHR Public Health Research Programme and Harris has been appointed to serve on the NIHR Health Technology Assessment Panel: Primary Care Community and Preventive Interventions (PCCPI) from January 2015 onwards.

Three members of PHRI serve on UK Biobank Working Groups related to health outcomes (Strachan), eyes and vision (Owen, Rudnicka) and physical activity (Owen). Whincup acts as scientific advisor to the ALSPAC Study and the Born in Bradford Study. Oakeshott and Ussher each chair an NIHR trial steering committee. Strachan and Ussher serve as external members on other trial steering committees.

Ussher chairs a national assessment panel for Athena Swan, which provides national awards related to gender equality among staff and students in higher education.

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 Institute - Journal Publications 2014

- (1) Abd Elbaky GB, Hay P, Le Grange D, **Lacey H**, Crosby R, Touyz S. Pre-Treatment predictors of attrition in a randomised controlled trial of psychological therapy for severe and enduring anorexia nervosa. *BMC Psychiatry* 2014;14:69. PMID: 24606873. PMCID: PMC3995934
- (2) **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.
- (3) 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.
- (4) 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.
- (5) 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.
- (6) 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.
- (7) 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.
- (8) 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.
- (9) 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.
- (10) **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.
- (11) 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.
- (12) Bamford B, Barras C, Sly R, Stiles-Shields C, Touyz S, Le Grange D, Hay P, Crosby R, **Lacey H**. Eating Disorders Symptoms and Quality of Life: Where should clinicians place their focus in severe and enduring anorexia nervosa? *Int J Eat Disord* 2015;48:133-8. PMID: 25049195.
- (13) 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.

- (14) Belling R, McLaren S, Paul M, Ford T, Kramer T, Weaver T, Hovish K, Islam Z, **White S**, Singh SP. The effect of organisational resources and eligibility issues on transition from child and adolescent to adult mental health services. *J Health Serv Res Policy* 2014;19:169-176. PMID: 24700210.
- (15) 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.
- (16) 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.
- (17) 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.
- (18) 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.
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- (20) **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.
- (21) Carroll J, **Goodair C**, Chaytor A, Notley C, **Ghodse H**, Kopelman P. Substance misuse teaching in undergraduate medical education *BMC Med Educ* 2014;14:34. PMID: 24533849; PMCID: PMC3932109.
- (22) **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.
- (23) **Chambers M**, Gallagher A, Borschmann R, **Gillard S**, **Turner K**, Kantaris X. The experiences of detained mental health service users: issues of dignity in care. *BMC Med Ethics* 2014;15:50. PMID: 24972627; PMCID: PMC4114162.
- (24) 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.
- (25) 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.
- (26) 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.
- (27) 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.

- (28) 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.
- (29) 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.
- (30) **Critchley JA**, Orton LC, **Pearson F**. Adjunctive steroid therapy for managing pulmonary tuberculosis. *Cochrane Database Syst Rev* 2014 Nov 12;11:CD011370. PMID: 25387839.
- (31) 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.
- (32) **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.
- (33) **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.
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- (36) 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.
- (37) 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.
- (38) 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.
- (39) 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.
- (40) 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.

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- (42) 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;4:1846-54. PMID: 25056339.
- (43) **Gillard S**, Edwards C, **Gibson S**, **Holley J**, Owen K. New Ways of Working in Mental Health Services: a qualitative, comparative case study assessing and informing the emergence of new Peer Worker roles in mental health services in England. *NIHR Journals: Health Services and Delivery Research* 2014;2:19. doi: 10.3310/hsdr02190. PMID: Not listed in PubMed
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- (45) **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.
- (46) Haasova M, Warren FC, **Ussher M**, Janse Van Rensburg K, Faulkner G, Cropley M, Byron-Daniel J, Everson-Hock ES, Oh H, Taylor AH. The acute effects of physical activity on cigarette cravings: exploration of potential moderators, mediators and physical activity attributes using individual participant data (IPD) meta-analyses. *Psychopharmacology* 2014;231:1267-75. PMID: 24522330.
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- (49) Hibbs R, Rhind C, Sallis H, ..., **Lacey H**, Schmitt U, Treasure J. Confirmatory factor analysis for two questionnaires of caregiving in eating disorders. *Health Psychology & Behavioural Medicine* 2014;2: 322-334. PMID: Not listed in PubMed.
- (50) 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.
- (51) 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.
- (52) 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.
- (53) 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.

- (54) 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.
- (55) 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.
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- (57) 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.
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- (62) 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
- (63) **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.
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Annex 2: Population Health Research Institute - Other Publications 2014

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Annex 4: Population Health Research Institute: Grants active during 2014

See landscape tables overleaf

SGUL lead	Funder	Title	Amount	To SGUL	Collaborators	Start	End
Atkinson	MRC/NERC	Air pollution and weather-related health impacts methodological study based on spatiotemporarily disaggregated multi-pollutant models	1,559,612	261,653	LSHTM	01/01/2011	28/02/2015
Atkinson	MRC/NERC	Traffic air pollution and health in London	1,975,000	400,490	KCL, LSHTM	01/03/2011	28/02/2015
Cates	NIHR	Core support for the Cochrane Airways Group	821,591	821,591	-	01/04/2010	30/03/2015
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	EC-CHAFAEA	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
Gillard	NIHR	Understanding and improving the assessment process for talking therapies [postdoctoral fellowship for Angela Sweeney]	284,475	284,475	-	01/01/2014	31/12/2018
Harris	NIHR-RfPB	A RCT of a pedometer-based intervention combined with primary care physical activity consultations, in patients aged 60-74	336,350	286,608	Reading	01/09/2011	30/04/2014
Harris	NIHR-HTA	Randomised controlled trial of pedometer-based walking interventions with and without practice nurse support in patients aged 45-74 years	1,162,018	1,013,482	Brunel	01/03/2012	31/05/2015
Mezey	NIHR-HTA	Developing and Piloting a Peer mentoring Intervention to reduce Teenage Pregnancy in Looked After Children	694,151	694,151		01/03/2011	31/08/2014
Mezey	NIHR-HTA	The effectiveness, acceptability and cost effectiveness of psycho social interventions for maltreated children and adolescents	270,000	3,051	UCL, LSE	01/09/2012	31/07/2014

SGUL lead	Funder	Title	Amount	To SGUL	Collaborators	Start	End
Morgan	Leeds NHS Trust	Studentship: Risk management and mortality in eating disorders	84,000	84,000	-	01/10/2010	30/09/2014
Sadiq [with Oakeshott]	MRC	Translating advances in diagnostic and communications technologies to reduce the burden of STIs	5,727,515	(small % PHRI)	SGUL (I&I)	01/02/2011	31/01/2016
Oakeshott	MRC	Screening for chlamydia related bacteria to prevent miscarriage	62,148	62,148	-	01/09/2013	28/02/2015
Owen	MRC-NPRI	Will moving into social and affordable housing in the Athletes' Village increase family physical activity levels? Evaluation of a natural experiment.	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
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
Smith	SWL AHSCS	Piloting a specialised sickle cell pain management service: a mixed methods observational study	8,941	8,941	-	01/06/2014	31/07/2015
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	Asthma UK	Identifying the true cost of asthma in the UK	99,608	8,000	Edinburgh	31/10/2013	30/09/2014

SGUL lead	Funder	Title	Amount	To SGUL	Collaborators	Start	End
Ussher	NIHR	A pragmatic randomized controlled trial of physical activity as an aid to smoking cessation during pregnancy	1,208,853	1,208,853	-	01/02/2009	30/04/2014
Ussher	Mayo Clinic USA	Supervised, vigorous, intensity exercise intervention for depressed female smokers	95,500	4,800	Mayo Clinic	09/08/2012	08/08/2014
Ussher	NIHR	Cochrane incentive award: Exercise assisted smoking reduction	10,000	10,000	-	01/10/2014	30/09/2015
Ussher	NIHR	Improving the effectiveness and reach of NHS support for smoking cessation in pregnancy	1,880,847	88,988	Nottingham	01/10/2010	30/09/2015
Whincup [as director at UCL]	BHF	British Regional Heart Study: a prospective investigation into the aetiology and natural history of coronary heart disease in older British men	862,273	0	UCL	01/10/2008	30/09/2014
Whincup	MRC	Novel cardiovascular risk markers: early outcomes and determinants in the National Survey of Health and Development	406,000	228,650	UCL	01/08/2011	28/02/2015
Whincup	Diabetes UK	Emerging ethnic differences in type 2 diabetes risk in children of South Asian, African-Caribbean and European origin: the role of early life factors	70,324	70,324	-	01/05/2012	30/09/2014
Whincup	NIHR- CLAHRC	South London CLAHRC: Diabetes Theme	213,000	106,500	KHP	01/01/2014	31/03/2017