

Curriculum Vitae (short version)

Professor Dr. Ruoling CHEN

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EDUCATIONAL BACKGROUND

- Oct. 2013-Sept. 2014 **Postgraduate Certificate in Academic Practice in Higher Education [PGCAPHE] - *Enhancing Academic Practice***, King's Learning Institute, King's College London, University of London, UK.
- Apr. 1993-Nov. 1997 **PhD in Epidemiology**, Medical School, University of Aberdeen, UK
- Sep. 1983-Sept. 1986 **MSc in Medical Statistics**, School of Public Health, Sun Yat-sen University, China
- Feb. 1978-Aug. 1982 **MBChB**, Anhui Medical University, China

PROFESSIONAL CAREER AND WORK EXPERIENCE

- 2009-present **Professor of Public Health and Medical Statistics, after Reader and Honorary Professor**, Centre for Health and Social Care Improvement (CHSCI), Faculty of Education, Health and Wellbeing (FEHW), University of Wolverhampton, Wolverhampton, UK
- 2011-2014 **Senior Lecturer in Public Health (specialising in stroke epidemiology), & Module Leader of Global Public Health**, Department of Primary Care and Public Health Sciences, Division of Health and Social Care Research, Kings College London, London, UK
- 2003-2009 **Senior Lecturer in Epidemiology**, Department of Epidemiology and Public Health, University College London (UCL) / Department of Public Health Research, Westminster Primary Care NHS Trust, London, UK
- 1998-2003 **Senior Lecturer in Medical Statistics and Epidemiology** Cardiovascular Epidemiology Unit, Ninewells Hospital and Medical School, University of Dundee, Scotland, UK
- 1996-1998 **Lecturer in Medical Statistics**, Department of Psychiatry, Faculty of Medicine, University of Liverpool, Liverpool, England, UK
- 1992-1993 **Research Associate**, INSERM U444 and B₃E (*Biomathematics, Biostatistics, Bioinformatics & Epidemiology*), Faculte de Medecine, Universite Paris VII, 75012 Paris, France
- 1986-1992 **Teaching Fellow, Lecturer and then Deputy Head**, Department of Medical Statistics, School of Public Health, Anhui Medical University, Anhui, China

ADMINISTRATION AND SERVICES

Professional memberships and activities

2009-present	Fellow, The Royal Society of Medicine (<i>RSM</i>)
1995-present	Fellow, The Royal Statistical Society (<i>RSS</i>)
1994-present	Member, International Epidemiology Association (<i>IEA</i>)
2013-2015	Member, World Stroke Organization (<i>WSO</i>)
2004-2013	Member, American Public Health Association (<i>APHA</i>)
2017	PhD External Examiner, University of Bedfordshire, UK
2016	PhD External Examiner, University of Bedfordshire, UK
2015	PhD External Examiner, Anhui Medical University, China
2013	PhD External Examiner, Queensland University of Technology, Australia

Peer reviewing

Scientific journals

e.g., The Lancet, British Medical Journal, New England Medical Journal, Am J Epidemiol, Int J Epidemiol, J Epidemiol & Community Health, Am J Cardiol, Heart, Occup & Environ Med, Br J Psychiatry, J Neurol Neurosurg Psychiatry

Grant awarding bodies

e.g., UK MRC Joint Health Systems Research Initiative, National Institute for Health Research (*RfPB Grant; Programme Grant; Global Health Group and Unit Programme Grant*), Wellcome Trust (*Training fellowship grant*), Wales Office of Research and Development for Health and Social Care, The National Natural Science Foundation of China (*NSFC*)

Academic and Research activities

2014- present	Editorial Board, <i>The Psychiatric Bulletin</i>
2011- present	Associate Editor, <i>BMC Public Health</i>
2011- present	Editorial Board, <i>World Journal of Psychiatry</i>
2007-present	Editorial Board, Journal of Disease Prevention and Control, China
2006-2009	Statistical Consultant, the Myocardial Infarction National Audit Project (MINAP), England & Wales
Oct 2016	Co-chairing one session in <i>4th international conference of Epidemiology and Public Health, October 3-5, 2016, London, UK</i>
May 2015	Chairing one session in <i>BIT's 6th Annual World Congress of NeuroTalk-2015 (Bio Integration Technology) in Hangzhou, China, 22-24 May, 2015</i>

RESEARCH GRANTS AND AWARDS (selections out of 36 projects)

Research Grants

Association of dementia risk with indoor and outdoor air pollution. **PI**, funded by European Commission Horizon 2020 Framework Programme (H2020-MSCA-IF-2016/2017) (Reference: 752920 – DEMETS) (€390,908) (2018-2020)

The efficacy and outcomes of CQUIN screening and its impact on dementia diagnosis for patients aged 75 years and older admitted to hospital via emergency unplanned care. **Co-Investigator**, funded by Rotha Abraham Trust, England. (£24,827) (2017-2018)

Academic Awards

International Visiting (to Australian National University) and Conference Travel Award, The Royal Society, London, UK (£1,960) (2009)

PUBLICATIONS (selected 58 out of more than 200 papers)

- 1 Bakre AT, **Chen R** (correspondent), Khutan R, Wei L, Smith T, Qin G, Danat IM, Zhou W, Schofield P, Clifford A, Wang J, Verma A, Zhang C, Ni J. Association between fish consumption and risk of dementia: a new study from China and a systematic literature review and meta-analysis. *Public Health Nutr.* 2018 Mar 19:1-12. doi: 0.1017/S136898001800037X.
- 2 Anstey KJ, **Chen R**. Invited Commentary: Second-hand smoke is an under recognized risk factor for cognitive decline. *Am J Epidemiol.* 2018 Jan 12. doi: 10.1093/aje/kwx378.
- 3 Lang L, Clifford A, Wei L, Zhang DM, Leung D, Augustine G, Copeland JMR, Anstey KJ, **Chen R**. Prevalence and determinants of undetected dementia in the community: a systematic literature review and a meta-analysis". *BMJ open* 2017;7:e011146.
- 4 Song T, Pan Y, **Chen R** (correspondent), Li H, Zhao X, Liu L, Wang C, Wang Y, Wang Y. Is there a correlation between socioeconomic disparity and functional outcome after acute ischemic stroke? *PLoS One.* 2017;12:e0181196.
- 5 Han TS, Wang HH, Wei L, Pan Y, Ma Y, Wang Y, Wang J, Hu Z, Sharma P, **Chen R**. Impacts of undetected and inadequately treated hypertension on incident stroke in China. *BMJ Open* 2017;7:e016581.
- 6 Pan Y, **Chen R** (correspondent), Li Z, Li H, Zhao X, Liu L, Wang C, Wang Y, Wang Y. Socioeconomic status and the quality of acute stroke care: the China National Stroke Registry. *Stroke* 2016;47:2836-42.
- 7 Liao ZF, Xu XJ, Liang YP, Xiong YZ, **Chen R** (correspondent), Ni JD. Effect of a booster dose of influenza vaccine in patients with hemodialysis, peritoneal dialysis and renal transplant recipients: A systematic literature review and meta-analysis. *Hum Vac Immunother* 2016;12:2909-15.
- 8 **Chen R**, Lang L, Clifford A, Chen Y, Hu Z, Han TS. Demographic and socio-economic influences on community-based care and caregivers of people with dementia in China. *Journal of the Royal Society of Medicine Cardiovascular Disease* 2016; 5:1–15.
- 9 Li YT, Wang HH, Liu KQ, Lee GK, Chan WM, Griffiths SM, **Chen R**. Medication adherence and blood pressure control among hypertensive patients with coexisting long-term conditions in primary care settings. *Medicine (Baltimore)* 2016;95:e3572.
- 10 Clifford A, Lang L, **Chen R** (correspondent), Anstey KJ, Seaton A. Exposure to Air Pollution and Cognitive Functioning across the Life Course – a systematic literature review. *Environmental Research* 2016; 147: 383-98.
- 11 Pang YS, Song T, **Chen R** (correspondent), Li H, Zhao XQ, et al. Socioeconomic deprivation and mortality in people after ischemic stroke: *the China National Stroke Registry*. *Int J Stroke* 2016;11:557-64.
- 12 McCormick J, **Chen R**. Impact of socioeconomic deprivation on mortality in people with haemorrhagic stroke: a population-based cohort study. *Postgrad Med J* 2016;92:501-5.
- 13 Hu Z, Zaman MJ, Wang J, Peacock JL, **Chen R**. Correlates of Untreated Hypercholesterolemia in Older Adults: A Community-Based Household Survey in China. *PLoS One.* 2015;10:e0131318.
- 14 **Chen R**, Crichton SL, McKeivitt CJ, Rudd AG, Sheldenkar A, Wolfe CDA. Association between Socioeconomic Deprivation and Functional Impairment after Stroke: *the South London Stroke Register*. *Stroke* 2015; 46:800-5.
- 15 Birkhead J, Weston C, Timmis A, **Chen R**. The effects of intravenous insulin infusions on early mortality for patients with acute coronary syndromes who present with hyperglycaemia; a matched propensity analysis using data from the MINAP database 2008-2012. *European Heart Journal: Acute Cardiovascular Care* 2015;4:344-52.

- 16 Greaves K, Chen Y, Appadurai V, Hu Z, Schofield P, **Chen R**. The prevalence of doctor-diagnosed angina in 4314 older adults in China and comparison with the Rose angina questionnaire: the 4 province study. *Int J Cardiology*. 2014;177:627-8.
- 17 **Chen R**, McKevitt CJ, Crichton SL, Rudd AG, Wolfe CDA. Socioeconomic deprivation and provision of acute and long-term care after stroke: the South London Stroke Register cohort study. *Journal of Neurology, Neurosurgery & Psychiatry* 2014; 85:1294-300.
- 18 Birns J, Qureshi S, **Chen R**, Bhalla A. Endovascular stroke therapy – a literature review. *European Journal of Internal Medicine* 2014; 25:584-91.
- 19 **Chen R**, McKevitt CJ, Rudd AG, Wolfe CDA. Socioeconomic Deprivation and Survival after Stroke: *Findings from the Prospective South London Stroke Register of 1995-2011*. *Stroke* 2014; 45: 217-23.
- 20 Sheldenkhar A, Crichton S, Douiri A, Rudd AG, Wolfe CD, **Chen R**. Temporal trends in health-related quality of life after stroke: analysis from the South London Stroke Register 1995-2011. *Int J Stroke* 2014; 9:721-7.
- 21 **Chen R**, Clifford A, Lang L, Anstey K. Is exposure to second-hand smoke associated with cognitive parameters of children and adolescents? – *A systematic literature review*. *Ann Epidemiol* 2013;23:652-61.
- 22 **Chen R**, Hu Z, Chen LR, Ma Y, Zhang DM, Wilson K. Determinants for undetected dementia and depression in older adults. *Br J Psychiatry* 2013;203:203-8.
- 23 Zhang D, Hu Z, Orton S, Wang JJ, Zheng J, Qin X, **Chen R**. Socioeconomic and psychosocial determinants of smoking and passive smoking in older adults. *Biomed Environ Sci* 2013;26:465-470.
- 24 **Chen R**, Wilson K, Chen Y, Zhang D, Qin X, He MZ, Hu Z, Ma Y, Copeland JR. Association between environmental tobacco smoke exposure and dementia syndromes. *Occup Environ Med* 2013;70: 63-69.
- 25 Schofield P, Nicola Crichton N, **Chen R**. Methods for assessing cardiovascular disease risk in a UK black population. *Heart* 2012;98:1373-7.
- 26 **Chen R**. Association of environmental tobacco smoke with dementia and Alzheimer's disease among never smokers. *Alzheimer's & Dementia* 2012;8:590-5.
- 27 Clifford A, Lang L, **Chen R**. Effects of maternal cigarette smoking during pregnancy on cognitive parameters of children and young adults - a literature review. *Neurotoxicol Teratol* 2012;34:560-70.
- 28 **Chen R**, Orton S. No smoke without fire: Should we be more concerned about the association between smoking and dementia? *Neurodegenerative Disease Management in Future Medicine* 2012;2: 439-442.
- 29 **Chen R**, Zhang D, Chen Y, Hu Z, Wilson K. Passive smoking and risk of cognitive impairment in women who never smoke. *Arch Int Med* 2012;172:271-3.
- 30 **Chen R**, Ma Y, Wilson K, Hu Z, Sallah D, Wang JJ, et al. A multicentre community-based study of dementia cases and subcases in older people in rural and urban China--the GMS-AGECAT prevalence and socio-economic correlates. *Int J Geriatr Psychiatry* 2012;27:692-702.
- 31 Shah AD, Nicholas O, Timmis AD, Feder G, Abrams KR, **Chen R**, et al. Threshold haemoglobin levels and the prognosis of stable coronary disease: two new cohorts and a systematic review and meta-analysis. *PLoS Med*; 2011;8:e1000439
- 32 Lang L, Orton S, Sallah D, Hewitt-Moran T, Zhang D, Cullen S, Dixon S, Bell B, Bell D, Meeson L, **Chen R**. A survey of engagement and competence levels in interventions and activities in a community mental health workforce in England. *BMC Health Serv Res* 2011;11:352.
- 33 Henriksson M, Palmer S, **Chen R**, Damant J, Fitzpatrick N, Abrams K, et al. Assessing the cost effectiveness of using prognostic biomarkers with decision models: case study in prioritising patients waiting for coronary artery surgery. *BMJ* 2010; 340:b5606
- 34 **Chen R**. Mortality attributable to smoking in China. *N Engl J Med* 2009;360:1911.
- 35 Birkhead J, Weston C, **Chen R**. Determinants and outcomes of coronary angiography after non-ST-segment elevation myocardial infarction: a cohort study of the Myocardial Ischemia National Audit Project (MINAP). *Heart* 2009;95:1593-9.
- 36 **Chen R**, Hu Z, Wei L, Qin X, Copeland JRM. Is the relationship between syndromes of depression and dementia temporal? - the MRC-ALPHA and Hefei-China studies. *Psychol Med* 2009;39:425-30.

- 37 Hemingway H, **Chen R**, Junghans C, Timmis A, Black N, Shekelle P, et al. Appropriateness criteria for coronary angiography in angina: reliability and validity. *Ann Intern Med* 2008;149:221-31.
- 38 **Chen R**, Hu Z, Wei L, Qin X, McCracken C, Copeland JRM. Severity of depression and risk for subsequent dementia: cohort studies in China and the UK. *Br J Psychiatry* 2008;193:373-7.
- 39 Sekhri N, Timmis A, **Chen R**, Junghans C, Walsh N, Zaman J, et al. Inequity of access to investigation and effect on clinical outcomes: prognostic study of coronary angiography for suspected stable angina pectoris. *BMJ* 2008;336:1058-61.
- 40 Wei L, **Chen R**, MacDonald TM. Channelling of SSRIs and SNRIs use in the Tayside population, Scotland. *Pharmacoepidemiol Drug Saf* 2007;16:859-66.
- 41 **Chen R**, Kumar S, Timmis A, Feder G, Yaqoob M, Hemingway H. Comparison of the relation between renal impairment, angiographic coronary artery disease and long-term mortality in women vs men. *Am J Cardiol* 2006;97:630-2.
- 42 Syme P, Byrne A, **Chen R**, Devenny R, Forbes J. Community-based stroke incidence and case-fatality in a Scottish population - the Scottish Borders Stroke Study (SBSS). *Stroke* 2005;36:1837-43.
- 43 **Chen R**, Tunstall-Pedoe H. Socioeconomic deprivation and waist circumference in men and women: the Scottish MONICA surveys 1989-95. *European J Epidemiol* 2005;20:141-7.
- 44 **Chen R**, Wei L, Hu Z, Qin X, Copeland JRM, Hemingway H. Depression in older people in rural China. *Arch Int Med* 2005;165:2019-25.
- 45 **Chen R**, Hu Z, Qin X, Xu XC, Copeland JMR. A community-based study of depression in older people in Hefei, China – the GMS-AGECAT prevalence, case validation and socio-economic correlates. *Int J Geriatr Psychiatry* 2004;19:407-13.
- 46 **Chen R**, Tavendale R, Tunstall-Pedoe H. Coronary heart disease in relation to passive smoking by self report, serum cotinine and their combination: Scottish MONICA study. *Occup Environ Med* 2004; 61:790-2.
- 47 **Chen R**, Wei L, Syme P. Comparison of early and delayed respondents to a postal health survey: a questionnaire study of personality traits and neuropsychological symptoms. *European J Epidemiol* 2003; 18:195-202.
- 48 **Chen R**, Tavendale R, Tunstall-Pedoe H. Measurement of passive smoking in adults: self-reported questionnaire or serum cotinine? *J Cancer Epidemiol & Prev (formerly J Epidemiol Biostat)* 2002; 7:85-95.
- 49 MacWalter RS, Wong SYS, Wong KYK, Stewart G, Fraser CG, Fraser HW, Ersoy Y, Ogston SA, **Chen R**. Does renal dysfunction predict mortality after acute stroke? a seven year follow-up study. *Stroke* 2002;33:1630-35.
- 50 **Chen R**, Tunstall-Pedoe H. Cancer risk, hypertension, and antihypertensive medication. *Lancet* 2002; 359:77.
- 51 **Chen R**, Tunstall-Pedoe H, Tavendale R. Environmental tobacco smoke and lung function in employees who never smoked: the Scottish MONICA study. *Occup Environ Med* 2001;58: 563-8.
- 52 **Chen R**, Semple S, Dick F, Seaton A. Nasal, eye and skin irritation in dockyard painters. *Occup Environ Med* 2001;58: 542-3.
- 53 **Chen R**, Dick F, Semple S, Seaton A, Walker LG. Solvent exposure and personality. *Occup Environ Med* 2001;58:14-8.
- 54 **Chen R**, Tunstall-Pedoe H, Bolton-Smith C, Hannah MK, Morrison C. Association of dietary antioxidants and waist circumference with pulmonary function and airway obstruction. *Am J Epidemiol* 2001;153:157-63.

Book and book chapters

- 55 **Chen R**. *Cognitive Development: Theories, Stages & Processes and Challenges (Book)*. Nova Science Publishers, Inc. p.293. New York, USA. 2014. ISBN-10:1631176048. p.293
- 56 Orton S, **Chen R**. Exposure to second-hand smoke and cognitive functioning in life course (*Chapter*). p.213-227. *In the book - Cognitive Development: Theories, Stages & Processes and Challenges*. 2014. Nova Science Publishers, Inc. New York, USA.

- 57 **Chen R**, Roberts N. Environmental pollution, neurodevelopment and cognitive impairment (*Chapter*). p.255-277. *In the book - Cognitive Development: Theories, Stages & Processes and Challenges*. 2014. Nova Science Publishers, Inc. New York, USA.
- 58 **Chen R**, Copeland JRM. Epidemiology of depression in older people: prevalence and incidence (*Chapter*). p.479-488. *In: Abou-Saleh MM, Katona CLE, and Kumar A. (eds): Principles and Practice of Geriatric Psychiatry (3rd Edition)*. Wiley-Blackwell, West Sussex, UK. 2011. ISBN: 978-0-470-74723-0

INVITING SPEECHES AND ORAL PRESENTATIONS IN INTERNATIONAL CONFERENCES (selected)

- 1 Incidence and Predictors of Stroke in Older People: The Anhui Cohort Study. 4th *International Conference of Epidemiology and Public Health; London, UK, October 3-5, 2016*
- 2 Association between Fish Consumption and Risk of Dementia: a Systematic Worldwide Literature Review and a New Study from China. 4th *International Conference of Epidemiology and Public Health; London, UK, October 3-5, 2016*
- 3 Impact of Socioeconomic Status on Survival after Hemorrhagic Stroke - Any Evidence? *BIT's 6th Annual World Congress of NeuroTalk-2015 (Bio Integration Technology), Hangzhou, China, May 22-24, 2015*
- 4 Associations between social support, socioeconomic status and depression in stroke survivors who experienced economic transition. *Asia Pacific Stroke Conference, Hong Kong, Aug 30 - Sep 1, 2013*
- 5 Exposure to passive smoking and risk of dementia in older women who never smoke. *140th Annual Conference of American Public Health Association. San Francisco, USA October 26-31, 2012*
- 6 Age, gender and race differences in the impacts of admission diabetic status on 1-year mortality after STEMI and NSTEMI: Myocardial Infarction National Audit Project *BIT's 2nd Annual International Congress of Cardiology, Shanghai, China, December 7-9, 2010*
- 7 Rural-urban and geographic differences in the risks of dementia cases and subcases in China. *Annual Conference of Australian Society for Psychiatric Research, Canberra, December 2-4, 2009*
- 8 Incidence and aetiology of dementia in an older population who are socio-economically deprived but at low levels of depression and cardiovascular risk factors. *41st SER meeting; Chicago, IL, June 24-27, 2008*
- 9 Depressive syndromes and risk of dementia in later life - is the relationship between syndromes of depression and dementia temporal? *135th APHA conference; Washington DC, Nov 3-7, 2007*
- 10 Mild to moderate renal impairment and 16-year cardiovascular mortality in the Scottish Heart Health Study. *European Society of Cardiology Congress; Stockholm, Sweden September 3-7, 2005*
- 11 Passive smoking measured by self report, serum cotinine and their combination and 14-year cardiovascular mortality among never smokers in the Scottish Heart Health Study. *2003 Scientific Sessions of American Heart Association; Orlando, USA, Nov. 9-12, 2003*
- 12 Baseline blood pressure and rule-of-halves hypertension status and 14-year cardiovascular mortality: the Scottish Heart Health study. *XVI IEA World Congress of Epidemiology; Montreal, Canada, August 18-22, 2002*
- 13 Trends and social factors in blood pressure control in Scottish MONICA surveys 1986-1995. *Joint Conference of IEA(European region) and the Society for Social Medicine (SSM); Oxford, UK, September 12-15, 2001*
- 14 Socioeconomic deprivation and neuropsychological symptoms: a small area study. *Joint International Scientific Conference of 13th ISEE and 10th International Genetic Epidemiology Society (IGES); Garmish-Partenkirchen, Germany, September 2-5, 2001*

MASS MEDIA REPORTS AND RESEARCH IMPACTS (selected)

The novel findings of an association of passive smoking exposure with dementia syndromes and Alzheimer's disease has attracted a lot of interest from the public, professional research agents and the media, covered by local, national and international news (eg, <http://dailym.ai/1L7isej>, <http://bit.ly/1Jc7t8s>, BBC News online,). In 2013 **Chen R** was interviewed on programs such as Voice of America and Phoenix TV. These study results have had a huge impact on public health and policy making worldwide.

The research findings of “determinants for undetected dementia and depression in older adults” have caught much attention from the public and world press (<http://bit.ly/2c7MwhF>, <http://bit.ly/2c0VqSc>). They were also used in a health report by the British Embassy in Beijing, China. The data have provided new evidence for governments to reduce socioeconomic deprivation and improve health service care in older patients with dementia and depression.

The research finding of health care inequality in stroke patients using the South London Stroke Register has been widely reported in local, national and international media including the Evening Standard, Nursing Times and Health Canal, and online (eg, <http://bit.ly/2tVUbf0>). It has been cited by the Stroke Association, UK. This data should help policy makers to introduce the measures needed to reduce health care inequalities and improve the prognosis of stroke.