

**LONG Qian, MD, MPH, DMedSci**

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## **Curriculum Vitae**

### **Profile**

Her research interest and experience centres on health equity in relation to health systems development (with a focus on health financing and health services organization and delivery), including maternal and child health, tuberculosis control and non-communicable diseases management in poor areas and among vulnerable groups of China and other low- and middle-income countries. She has very good knowledge of epidemiology, qualitative research and systematic review.

### **Education**

2008-2012	Doctor of Medical Science, Department of Public Health, University of Helsinki, Finland
2006-2007	Master of Public Health, Royal Tropical Institute, the Netherland
1998-2003	Medical Degree (Preventive Medicine), Chongqing Medical University, China

### **Scholarships**

2006-2007	Master study in the Netherland supported by the Netherland Fellowship programme
2008-2012	Doctoral study in Finland supported by the China Scholarship programme

### **Previous position**

2003-2007	Teaching Assistant in the School of Public Health, Chongqing Medical University, Chongqing, China
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2007-2008	Lecturer in the School of Public Health, Chongqing Medical University, Chongqing, China
2011-2012 (Sept.)	Research Fellow in the National Institute for Health and Welfare, Helsinki, Finland funded by the Doctoral Programme in Public Health, Finland
2012-2013 (Feb.)	Research Fellow in the National Institute for Health and Welfare, Helsinki, Finland supported by METEMA project awarded by Academic of Finland
2013 (Feb.)-2015 (Feb.)	Post-doc Research Fellow in the Global Health Research Centre, Duke Kunshan University/Duke Global Health Institute, Duke University
2015 (Feb.)-2017 (June)	Technical officer, Department of Reproductive Health and Research, World Health Organization

### **Current position**

2017 (June) – Assistant Professor of Global Health, Global Health Research Center, Duke Kunshan University

### **Research experience**

2003-2005	Participated in the research project: “The impact of the Three Gorges Dam Project on population health in Chongqing, China” funded by the Chinese central government.
2004-2006	Participated in the research project: “Comparing access to tuberculosis diagnosis between rural-to-urban migrants and residents in Chongqing, China” funded by the TDR-WHO/UNDP/World Bank/UNICEF.
2005-2006	Participated in the research project: “Access to tuberculosis diagnosis among rural-to-urban migrants in Shanghai and Chongqing, China” funded by the EQUI-TB programme, UK.
2005-2012	Participated in the research project: “Structural hindrances to and promoters of good maternal care in rural China-CHIMACA (015396)” funded by the European Commission INCO programme.
2008-2009	Participated in the design and implementation of a study: “Review and

- assessment of pro-poor initiatives in tuberculosis control programme in China” funded by the WHO China office.
- 2009 Led the study: “Factors influencing utilization of maternity care in western rural China” funded by the China Medical Board.
- 2010-2011 Completed the systematic review: “A systematic review on patient medical costs for tuberculosis treatment and impact on adherence in China” funded by the UK Department for International Development for the benefit of the poor in developing countries.
- 2011-2013 Participated in the research project “Medical technology in maternity services - care practices, caesarean section and iron prophylaxis as examples in Maputo, Mozambique (METEMA)” funded by the Academy of Finland
- 2013-2015 Participated in the TB control program “Innovative approaches & tools to establish comprehensive TB control models in China (Phase II)” funded by the Bill & Melinda Gates foundation.
- 2013-2015 Participated in the research project “Catastrophe and impoverishment from diabetes: a case study on the economic burden of diabetes in Malaysia, China and Ghana” jointly funded by the Duke Global Health Institute and the Fudan University.
- 2015-2016 Led and completed the systematic review “Onsite midwife-led birth units for care around the time of childbirth” supported by the Human Reproduction Programme (HRP), WHO.
- 2015-2017 Coordinated the research project “Simplified treatment for eclampsia prevention using magnesium sulfate: converging activities” funded and supported by the Merck for Mother Programme/Human Reproduction Programme (HRP), WHO.
- 2015-2017 Participated in the programme “Quality of care improvement around the time of childbirth” led by WHO.
- 2016-2017 Led the systematic review “Preference for caesarean section: a mixed methods systematic review” supported by the Human Reproduction Programme (HRP), WHO.
- 2017-2019 Participated in the TB control program “Monitoring, Learning and Evaluation for the Implementation of Comprehensive Models of TB Care

and Control in China (Phase III)” funded by the Bill & Melinda Gates foundation.

2017-2018 Participated in the project “Achieving Health SDGs in China: Developing Evidence-based Policy Options for Action” funded by the Bill & Melinda Gates foundation.

### **Teaching experience**

2003-2005 Public health courses for undergraduate students in Chongqing Medical University, China: 1) Preventive Medicine; 2) Child and Adolescent Health

2007-2008 Public health courses for national and international undergraduate students in Chongqing Medical University, China: 1) Health Education and Promotion; 2) Community Medicine

2013 Global health course for undergraduate students in Malardalen University, Sweden: Introduction of the Chinese health system development

2017 Global health course for graduate students in Duke Kunshan University, China: Introduction to maternal and child health

### **Training experience**

2008-2009 Supported the professor in School of Public Health, Chongqing Medical University, China in co-supervising master students

2010 Led a training workshop on writing and publishing academic articles in international peer-reviewed journals in School of Public Health, Chongqing Medical University, China

2012 Supported the research professor in National Institute for Health and Welfare, Finland in co-supervising a master student in University of Tampere, Finland

2013 Led a training workshop of qualitative research methods and data analysis in School of Health Management, the Huazhong University of Science and Technology, China

2013 Supported the professor in Duke Global Health Institute (DGHI) in

- training a PhD candidate in Fudan University and a research assistant in DGHI on the method of systematic review
- 2013 Supported the professor in Duke Global Health Institute (DGHI) in co-supervising a PhD candidate in School of Public Health, Chongqing Medical University
- 2014 Supported the training workshop of academic writing for scholars and China CDC technical officers
- 2015 Supported the technical consultation meeting of “Implementation and evaluation of quality of care improvement interventions for maternal and newborn care in Bangladesh, Ghana and Tanzania” organized by UNICEF in Dar es Salaam, Tanzania
- 2015-2016 Supported several technical consultation meetings with a focus on “Implementation interventions for quality of care improvement around the time of childbirth” organized by WHO in Geneva, Switzerland.
- 2017 Participated in the workshop on implementation research in global health organized by school of public health, Fudan University and presented the case study of implementation of evidence-based antenatal care in Mozambique: a stepped wedge cluster randomised trial

### **Consultancy experiences**

- 2010 Wrote the research proposal of Collaborative Project (EC FP7-SICA), titled: “Integrating post-abortion family planning services into China’s existing abortion services in hospital settings” invited by Ghent University, Belgium. The proposal was accepted and granted by European Commission in 2011.
- 2013 Wrote the policy paper “health equity in China” as part of a series on Equity prepared on behalf of the UN Country Team in China.

## List of Publications

### Peer reviewed papers in English

#### *Published*

1. **Long Q**, Li Y, Wang Y, Yue Y, Tang C, Tang S, Squire SB, Tolhurst R. Barriers to accessing TB diagnosis for rural-to-urban migrants with chronic coughing Chongqing---a mixed methods study. *BMC Health Services Research* 2008; 8:202.
2. Wang Y, **Long Q**, Liu Q, Tolhurst R, Tang S. Treatment seeking for symptoms suggestive of TB: comparison between migrants and permanent urban residents in Chongqing, China. *Tropical Medicine and International Health* 2008; 13(7):927-933.
3. **Long Q**, Zhang TH, Xu L, Tang S, Hemminki E. Utilisation of maternal health care in western rural China under a new rural health insurance system (New Co-operative Medical System). *Tropical Medicine and International Health* 2010; 15:1210-1217.
4. **Long Q**, Zhang TH, Hemminki E, Tang XJ, Huang K, Xiao SB, Tolhurst R. Utilisation, contents and costs of prenatal care under a rural health insurance (New Co-operative Medical System) in rural China: lessons from implementation. *BMC Health Services Research* 2010; 10:301.
5. Bogg L, Huang K, **Long Q**, Shen Y, Hemminki E. Dramatic increase in Caesarean deliveries in the midst of health reforms in rural China. *Social Science & Medicine* 2010; 70:1544-1549.
6. Xiao S, Yan H, Shen Y, Dang S, Hemminki E, Wang D, **Long Q**, Gao J. Utilisation of delivery care among rural women in China: does the health insurance make a difference? A cross-sectional study. *BMC Public Health* 2010; 10(1):695.
7. **Long Q**, Zhang YG, Raven J, Wu ZC, Bogg L, Tang S, Hemminki E. Facility-based delivery in rural China: is it affordable for the poor? *Bulletin of World Health Organisation* 2011; 89:144-152.
8. **Long Q**, Smith H, Zhang TH, Tang S, Garner P. Patient medical costs for tuberculosis treatment and impact on adherence in China: a systematic review. *BMC Public Health* 2011; 11:393.
9. Hemminki E, **Long Q**, Zhang WH, Wu Z, Raven J, Tao FB, Yan H, Wang Y, Klemetti R, Zhang TH, Regushevskaya E, Tang S. Impact of financial and educational interventions on maternity care: Results of cluster randomized trials in rural China, CHIMACA. *Maternal and Child Health Journal* 2013; 17(2):208-221.

10. **Long Q**, Klemetti R, Wang Y, Tao FB, Yan H, Hemminki E. High Caesarean section rate in rural China: is it related to health insurance (New Co-operative Medical Scheme)? *Social Science & Medicine* 2012; 75:733-737.
11. Hemminki E, **Long Q**, Wu Z, Klemetti R. Impact of Chinese one-child policy on sibling structure-experience from rural areas in three provinces. *BMJ Open* 2012; 2:e001010.
12. Tang S, John E, **Long Q**. China's biggest, most neglected health challenge: Non-communicable diseases. *Infectious Diseases of Poverty* 2013; 2:7.
13. **Long Q**, Xu L, Bekedam H, Tang S. Changes in health expenditures in China in 2000s: has the health system reform improved affordability. *International Journal for Equity in Health* 2013; 12:40.
14. Xiao NZ, **Long Q**, Tang XJ, Tang S. A community-based approach to non-communicable chronic disease management within a context of advancing universal health coverage in China: progress and challenges. *BMC Public Health* 2014; 14(Suppl 2): S2.
15. Deng W, Klemetti R, **Long Q**, Wu ZC, Duan CG, Zhang WH, Ronsmans C, Zhang Y, Hemmink E. Cesarean section in Shanghai: women's or healthcare provider's preferences? *BMC Pregnancy and Childbirth* 2014; 14:285.
16. **Long Q**, Kempas T, Klemetti R, Madede T, Elina Hemminki. Caesarean section rates in Mozambique. *BMC Pregnancy and Childbirth* 2015; 15:253.
17. Okusanya BO, Oladapo OT, **Long Q**, Lumbiganon P, Carroli G, Qureshi Z, Duley L, Souza JP, Gülmezoglu AM. Clinical pharmacokinetic properties of magnesium sulphate in women with pre-eclampsia and eclampsia: a systematic review. *BJOG* 2015; doi: 10.1111/1471-0528.13753
18. Chen S, Zhang H, Pan Y, **Long Q**, Xiang L, Yao L, Lucas H. Are free anti-tuberculosis drugs enough? An empirical study from three cities in China. *Infect Dis Poverty* 2015; 4:47.
19. Lei P, Xu L, Nwaru BI, **Long Q**, Wu Z. Social networks and health-related quality of life among Chinese old adults in urban areas: results from 4<sup>th</sup> National Household Health Survey. *Public Health* 2016; 131:27-39.
20. Jia XX, Chen JY, Zhang SY, Dai B, **Long Q**, Tang S. Implementing a "free" tuberculosis (TB) care policy under the integrated model in Jiangsu, China: practices and costs in the real world. *Infect Dis Poverty* 2016; 5(1):1.
21. Li Q, Jiang W, Wang Q, Shen Y, Gao J, Sato KD, **Long Q**, Lucas H. Non-medical financial burden in tuberculosis care: a cross-sectional survey in rural China. *Infect Dis Poverty* 2016; 5(1):5

22. Zhou C, **Long Q**, Chen J, Xiang L, Li Q, Tang S, Huang F, Sun Q, Lucas H. Factors that determine catastrophic expenditure for tuberculosis care: a patient survey in China. *Infect Dis Poverty* 2016; 5(1):6.
23. Pan Y, Chen S, Chen M, Zhang P, **Long Q**, Xiang L, Lucas H. Disparity in reimbursement for tuberculosis care among different health insurance schemes: evidence from three countries in central China. *Infect Dis Poverty* 2016; 5(1):7.
24. **Long Q**, Qu Y, Lucas H. Drug-resistant tuberculosis control in China: progress and challenges. *Infect Dis Poverty* 2016; 5(1):9.
25. **Long Q**, Allanson ER, Pontre J, Tunçalp Ö, Hofmeyr J, Gülmezoglu AM. Onsite midwife-led birth units for care around the time of childbirth: a systematic review. *BMJ Global Health* 2016; 1: e000096. doi: 10.1136/bmjgh-2016-000096.
26. **Long Q**, Oladapo OT, Vogel JP, Lumbiganon P, Carroli G, Qureshi Z, Gülmezoglu Am. Clinical practice patterns in the use of magnesium sulphate for the prevention and treatment eclampsia: a multi-country survey. *BJOG* 2016; doi: 10.1111/1471-0528.14400.
27. Oladapo OT, Okusanya BO, **Long Q**. Authors' reply re: Clinical pharmacokinetic properties of magnesium sulphate in women with pre-eclampsia and eclampsia: a systematic review. *BJOG* 2016; 123(13):2228-2229.
28. Zhou CC, **Long Q**, Chen JY, Xiang L, Li Q, Tang S, Huang F, Sun Q, Lucas H, Huan S. The effect of NCMS on catastrophic health expenditure and impoverishment from tuberculosis care in China. *International Journal for Equity in Health* 2016; 15:172.
29. **Long Q**, He M, Tang XJ, Allotey P, Tang S. Treatment of type 2 diabetes mellitus in Chongqing of China: Unaffordable care for the poor. *Diabetic Medicine* 2017; 34(1):120-126.
30. He M, Gao J, Liu W, Tang X, Tang S, **Long Q**. Case management of patients with Type 2 diabetes mellitus: a cross-sectional survey in Chongqing, China. *BMC Health Serv Res.* 2017; 17(1):129.
31. Allanson ER, Tunçalp Ö, Vogel JP, Khan DN, Oladapo OT, **Long Q**, Gülmezoglu AM. Implementation of Effective Practices in Health Facilities: A Systematic Review of Cluster Randomised Trials. *BMJ Global Health* 2017; 2(2):e000266.
32. **Long Q**, Madede T, Parkkail S, Chavane L, Sundby J, Hemminki E. Maternity care system in Maputo, Mozambique: Plans and Practice. *Cogent Medicine* 2017; 4:1412138.



1. Long Q. Equity in Health in China. Part of a series of papers on Equity prepared on behalf of the UN Country Team in China. WHO China Country Office: Beijing, 2013.

#### Peer reviewed papers published in Chinese

1. Long Q. Observational study applied in public health. *Foreign Medical Sciences*. 2005; 22(3):119-123.
2. Long Q, Wang Y, Li Y, Tolhurst R, Tang S. Knowledge and attitude related to TB and the TB control programme among the rural-to-urban migrants. *Medicine and Philosophy* 2006; 27(11): 26-27.
3. Long Q, Wang Y, Tang S, Tolhurst R, Zhan S, Yue Y. Delay in seeking health care among the TB suspects---Experience of rural-to-urban migrants in Chongqing. *Modern Preventive Medicine* 2007; 34 (5): 810-812.
4. Long Q, Wang Y, Yue Y, Li Y, Tolhurst R, Tang S. Diagnosis of pulmonary tuberculosis suspects in urban general health facilities. *China Public Health* 2008; 24(6):114-116.
5. Liu XX, Long Q, Wang Y, Tang XJ, Chen T. Qualitative analysis of barriers in access to TB care among vulnerable groups in South-western China. *Medicine and Philosophy* 2010; 31(5): 34-36.

#### Essay

1. Long Q. Paying for maternal health care in rural China: how affordable to the poor? Young Researchers for Health 2010, Global Forum for Health Research, Geneva, 2010. Available at: <http://www.globalforumhealth.org/Media-Publications/Publications/Young-Researchers-for-Health-2010>

*Winner of young researcher essay competition on the theme "Health Systems Research: towards universal health coverage" organised jointly by the Global Forum for Health Research, The Lancet and the First Global Symposium on Health Systems Research. This was announced in the Lancet: <http://www.thelancet.com/pdfs/journals/lancet/PIIS0140673610621071.pdf>*

#### Conference Abstracts

1. Long Q. Comparing access to TB diagnosis between rural-to-urban migrants and urban-residents in Chongqing, China. *Tropical Medicine & International Health* 2007; 12(s1): 168. Poster presentation in the 5<sup>th</sup> European Congress on Tropical Medicine and International Health, Amsterdam, the Netherlands, 2007.

2. Long Q, Klemetti R, Wang Y, Tao FB, Yan H, Hemminki E. Relation between high Caesarean section rate and health insurance coverage in rural China. *European Journal of Public Health* 2011; 21(s1): 18-19. Oral Presentation in the 4<sup>th</sup> European Public Health Conference, Copenhagen, Denmark, 2011.
3. Long Q, Klemetti R, Wang Y, Tao FB, Yan H, Hemminki E. Scaling up health insurance (New Co-operative Medical Scheme) in rural China: does it contribute to high Caesarean section rate? Oral Presentation in Health System Reform in Asia Conference, Hong Kong, China, 2011.
4. Long Q. Changes in out-of-pocket payment for health care in China in 2000s: Has the reform improved affordability? Poster Presentation in the Second Global Symposium on Health Systems Research, Beijing, China, October 2012. (Emerging Voice 2012)
5. Long Q, Klemetti R, Huang K, Shen Y, Tang S, Hemminki E. Impact of financial subsidies on use of quality prenatal care in two rural counties of China. Included in the Symposium book of abstracts of the Second Global Symposium on Health Systems Research, Beijing, China, October 2012.
6. Long Q. Tuberculosis treatment in China: Is it affordable for poor tuberculosis patients? Poster Presentation in the conference of Health System Reform in Asia 2013, Singapore, December 2013.
7. Long Q, Kempas T, Madede T, Klemetti R, Hemminki E. Variation in caesarean section rate in Mozambique in 1995-2011. Poster Presentation in the Third Global Symposium on Health Systems Research, Cape Town, South Africa, October 2014.
8. Long Q, Allanson ER, Pontre J, Tunçalp Ö, Hofmeyr J, Gülmezoglu AM. Onsite midwife-led birth units for care around the time of childbirth: a systematic review. Poster Presentation in the Fourth Global Symposium on Health Systems Research, Vancouver, Canada, November 2016.

### Theses

1. Long Q. Barriers to accessing TB diagnosis for rural-to-urban migrants with chronic coughing in Chongqing, China. Master thesis. 2007; Royal Tropical Institute, Amsterdam University, the Netherland.
2. Long Q. Utilization of maternity care in rural China: Affordability and Quality. Doctoral dissertation (articles). 2012; University of Helsinki, Finland (ISBN 978-952-10-8062-3).