



Curriculum Vitae

Zahidul Quayyum, MSS, MSc, PhD.

Professor, Co-Director Research of the School, and Co-Director of the Centre of Excellence for Urban Equity and Health. James P Grant School of Public Health, BRAC University.

Web Link BRAC JPG SPH: <https://www.bracu.ac.bd/about/people/zahidul-quayyum-phd>

Web Link Google Scholar:

https://scholar.google.com/citations?hl=en&user=zup9pAwAAAAJ&view_op=list_works&authuser=1&sortby=pubdate

Dr. Zahidul Quayyum is a health economist and a public health researcher and has more than 25 years of experiences of conducting health economics and health systems research. His research interests include: evaluating different policy changes in health care from health economics and health systems and development perspective; equity and resource allocation in health care; economic evaluation of health care interventions and health technology assessment. He has more than 10 years of experiences of teaching health economics in the UK universities including the University of Glasgow, University of Aberdeen, University of Dundee and the Queen Mary University of London. He has worked as a Health Economist in many projects national and international projects and has been mainly involved in working on economic evaluation models for safe motherhood interventions strategies and the economic analysis of government interventions and policy changes for improving maternal and child health in Indonesia, Ghana, Burkina Faso, and in Bangladesh. He has also been involved in conducting within trial economic evaluation, systematic review of economic evaluation, decision modelling and health technology assessment for the NIHR (UK) funded and commissioned by NICE, UK, and EU funded projects in the UK. He teaches Health Economics and Health Care Financing, and Health Systems in the Master of Public Health (MPH) Programme at the BRAC JPG School of Public H, BRAC University. Besides teaching, he is currently leading four research projects as Principal Investigator (PI) and three as Co-Investigator. His expertise is in economic evaluation, decision modelling, mixed methods research, and health systems research. His research work mainly focuses on maternal and child nutrition, social determinants of health and sexual and reproductive health, and health of the displaced and marginalized population.

Dr. Quayyum authored more than 40 publications, many of them published in highly reputed international peer-reviewed journals including *Health Policy Planning*, *Health Technology Assessment*, *International Journal for Equity in Health*, *BMJ Open*, *BMJ Global Health* and *European Journal of Health Economics* etc.

KEY QUALIFICATIONS

1. PhD. (Health Economics). University of Aberdeen. 2013. Thesis Topic: Topic: “Developing a need-based resource allocation model for health care expenditure in Bangladesh”

2. M. Sc. Health Policy Planning and Financing. London School of Hygiene and Tropical Medicine, and London School of Economics, University of London, UK. 195-96
3. MA in Economics. Thammasat University, Bangkok, Thailand.1984
4. Masters of Social Science (MSS), in Economics, University of Dhaka, Dhaka, Bangladesh.1982
5. Bachelor of Social Science (Honours) in Economics, University of Dhaka, Bangladesh, 1980

MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

Member, Health Economic Study Group (HESG, UK), Bangladesh Economic Association, Life Member Bangladesh Public Health Association, Member

PEER REVIEWER

- Expert peer reviewer as a health economist, for disbursement of research project funds by NIHR. <https://www.nihr.ac.uk/documents/hta-programme-reviewers-list/20813#U-Z>
- Section (Health Economics and Health Systems) Editor for BMC Journal of Health, Population and Nutrition. <https://jhpn.biomedcentral.com/about/editorial-board>
- Member of the Institutional Review Board, BRAC James P Grant School of Public Health

COUNTRIES OF WORK EXPERIENCE

Bangladesh, Indonesia, Ghana, Burkina Faso, India, Nepal, Thailand, and the UK.

EMPLOYMENT RECORD

Dates:	May 2018 – date
Employer:	James P Grant School of Public Health, Brac University, Dhaka Bangladesh
Present Position	Professor, and Co-Director of Research. Co-Director of the Centre of Excellence for Urban Equity and Health, Technical Adviser, Centre of Excellence for Health Systems and Universal Health Coverage, and Member Academic Committee of MPH Programme.

Dates:	Oct 2016 – April 2018
Employer:	Queen Mary University of London, UK
Positions Held:	Health Economist

Dates:	July 2014 – August 2016
Employer:	University of Glasgow
Positions Held:	Research Associate (Health Economics and Health Technology Assessment, HEHTA).

Dates:	March 2007 – June 2014
Employer:	University of Aberdeen, UK
Positions Held:	Research Fellow (Health Economist), Health Economics Research Unit.

Dates:	March 2004-February 2007
Employer:	University of Aberdeen, UK
Positions Held:	Health Services Economic Researcher (Research Fellow), and Health Economist: Economic Outcomes Work Programme . IMMPACT

Dates:	Aug 2002 – February 2003
Employer:	University of York, UK
Positions Held:	Teaching Fellow, Department of Economics and Related Studies.

Dates:	Aug 1999 – July 2002
Employer:	Dhaka University, Institute of Health Economics
Positions Held:	Assistant Professor
Dates:	December 1994 – July 1999
Employer:	ICDDR,B. Dhaka. Bangladesh
Positions Held:	Senior Operations Researcher, Operations Research Project, Public Health Sciences Division initially and later, and Senior Operations Researcher (Health Economist), Health Economics Programme of Public Health Science Division.
Dates:	November 1993 – July 1994
Employer:	ICDDR,B. Dhaka. Bangladesh
Positions Held:	Research Investigator, Public Health Sciences Division.
Dates:	February 1985 – October 1993
Employer:	International Jute Organisation, Dhaka, Bangladesh
Positions Held:	Research and Statistical Officer.
Dates:	October 1984 – January 1985
Employer:	Bangladesh Institute of Development Studies
Positions Held:	Research Associate

MAJOR RESEARCH PROJECTS COMPLETED /ON-GOING SINCE (AS PRINCIPAL INVESTIGATOR/CO-PRINCIPAL INVESTIGATOR/COORDINATOR/KEY MANAGEMENT PERSON)

	Project/Program/Role	Donor/Funder &Lead Institute	Countries Involved	Duration
1	Community Led Responsive and Effective Urban Health Systems (CHORUS) , a multi-country (Bangladesh, Nepal, Nigeria and Ghana) project. Partner lead in Bangladesh and Lead for Capacity Building for partner countries in Asia (Bangladesh and Nepal). £ 306,544.	DFID, University of Leeds, UK.	Bangladesh, Nepal, Nigeria,	1 May 2020 – 30 April – 2026
2	Accountability and Responsiveness in Informal Settlements for Equity (ARISE) . A multi- country study.. April 2019 – March 2024. Technical Adviser and Health Economist for Bangladesh Team in Work Package: Monitoring, epidemiology and economics (MEE). £ 1,035,566.	GCRF – UKRI, University of Liverpool, UK.	Sierra Leone, Bangladesh, Kenya and India.	January 2019- December 2023
3	Pathways to Equitable Healthy Cities. Co-PI , Member of the Project Steering Committee, and Lead Bangladesh Working Groups, and leading Bangladesh Poverty and Inequality Work- Package. £375,288 (for Bangladesh).	Wellcome Trust, Imperial College, UK.	Bangladesh, UK, Canada, Ghana, &China	1 January 2018 – 31 Dec 2021
4	BRAC Health, Nutrition and Population Programme: Impact Evaluation and Social	BRAC, Bangladesh	Bangladesh	1 January 2020 -30

	Return on Investment of Selected Programmes. PI, BDT 6,059,220. (USD 71,285)			November 2020
5	Documentation of Success Factors, Challenges and Future Priorities for Ensuring Sexual and Reproductive Health of Rohingya Women and Adolescent Girls in Refugee Camps in Cox's Bazar, Bangladesh. PI, USD 63,533	WHO, Geneva,	Bangladesh	September 2019 – May 2020. PI,
6	Study on Implementation Research for Delivering Integrated Comprehensive SRHR Services in Cox's Bazar, Bangladesh. Technical Adviser, \$86,579	WHO, Geneva,	Bangladesh	July 2018 – February 2020
7	Study on Health Seeking Behaviour of the Displaced Rohingya Population in Bangladesh, PI, BDT 2,500,000. (USD 29,412)	BRAC, Bangladesh	Bangladesh	October 2018 – May 2019
8	Assessment on Health Seeking Behaviour in the Rohingya community – An ethnographic/qualitative study. BDT 2,235,717, Co-PI, Technical Adviser	WHO, Dhaka, Bangladesh	Bangladesh	March 2019 – June 2019,
9	Monitoring the effectiveness and evaluation of interventions for the improvement of maternal and new-born health in rural Bangladesh. USD 835,500. Co-ordinator and the Health Economist	BRAC, UKAID, Norway, and EU	Bangladesh	March 2007 – Apr 2012
10	IMIMPACT (Initiative for Maternal Mortality Impact Assessment) project. Health Economist, US\$6.4million (total for all partners)	UKAID, Gates Foundation	Indonesia, Ghana, and Burkina Faso	Aug 2004 – Feb 2007

PUBLICATIONS

Peer-reviewed journal articles

a. Peer-Reviewed journal articles

1. Jose Antonio Robles-Zurita, Andrew Briggs, Dikshyanta Rana, **Zahidul Quayyum**, Keith G Oldroyd, Uwe Zeymer, Steffen Desch, Suzanne de Waha-Thiele and Holger Thiele. "Economic evaluation of culprit lesion only PCI vs. immediate multivessel PCI in acute myocardial infarction complicated by cardiogenic shock: the CULPRIT-SHOCK trial". *The European Journal of Health Economics* (2020) 21:1197–1209. <https://doi.org/10.1007/s10198-020-01235-3>
2. Developing core economic parameter sets for asthma studies: A realist review and an analytical framework. Chris Roukas, **Zahidul Quayyum**, Anita Patel, Deborah Fitzsimmons, Ceri Phillips and Natalia Hounsome. *BMJ Open* 2020;10:e037889. doi:10.1136/bmjopen-2020-037889
3. Derek King, Raphael Wittenberg, Anita Patel, **Zahid Quayyum**, Vladislav Berdunov, Martin Knapp. The future incidence, prevalence and costs of stroke in the UK. *Age and Ageing* 2020; 1–6, doi: 10.1093/ageing/afz163.

4. Anita Patel, Vladislav Berdunov, **Zahidul Quayyum**, Derek King, Martin Knapp, Raphael Wittenberg. Current societal costs of stroke in the UK. *Age and Ageing* 2019; 00: 1–7 doi: 10.1093/ageing/afz162.
5. Rushdia Ahmed, Nadia Farnaz, Bachera Aktar, Raafat Hassan, Sharid Bin Shafique, Pushpita Ray, Abdul Awal, Atiya Rahman, Veronique Urbaniak, Loulou Hassan Kobeissi, Jeffries Rosie, Lale Say, Md Tanvir Hasan, **Zahidul Quayyum**, Sabina Faiz Rashid. "Situation analysis for delivering integrated comprehensive sexual and reproductive health services in humanitarian crisis condition for Rohingya refugees in Cox's Bazar, Bangladesh: protocol for a mixed-method study". *BMJ Open* May 2019; 9:e028340. doi:10.1136/bmjopen-2018-028340
6. Eley, H. Agyepong, I., Huque, R., **Quayyum, Z.**, Baral, S. Ebenso, B., Kharel, C., Riffat, A. S., Onwujekwe, O., Uzochukwu, B., Nonvignon, J., Aryeetey, G., Kane, S., Ensor, T., Mirzoev, T. "Rethinking health systems in the context of urbanisation: challenges from four rapidly urbanising low- and middle- income countries.". *BMJ Global Health* May 2019;4:e001501. doi:10.1136/bmjgh-2019-001501
7. Ethics and Methods for Collecting Sensitive Data: Examining Sexual and Reproductive Health Needs of and Services for Rohingya Refugees at Cox's Bazar, Bangladesh. Bachera Aktar, Rushdia Ahmed, Raafat Hassan, Nadia Farnaz, Pushpita Ray, Abdul Awal, Sharid Bin Shafique, Md Tanvir Hasan, **Zahidul Quayyum**; Mohira Babaeva Jafarovna, Loulou Hassan Kobeissi, Khalid El Tahir, Balwinder Singh Chawla, Sabina Faiz Rashid, BRAC University, Bangladesh. *The International Journal of Information, Diversity, & Inclusion*, 4(2), 2020. <https://jps.library.utoronto.ca/index.php/ijidi/issue/view/2308>. DOI: 10.33137/ijidi.v4i2.33150
8. Children's toothache is becoming everybody's business: where do parents go when their children have oral pain in London, England? A cross-sectional analysis' by Vanessa Muirhead, **Zahidul Quayyum**, Donal Markey, Sally Weston-Price, Annette Kimber, Wayne Rouse, Cynthia Pine. *BMJ Open* February 2018;0:e020771. doi:10.1136/bmjopen-2017-020771.
9. Protocol for economic evaluation of the randomized controlled trial of culprit lesion only PCI vs. immediate multivessel PCI in acute myocardial infarction complicated by cardiogenic shock: CULPRIT-SHOCK trial. **Zahidul Quayyum**, Andrew Briggs, Jose Antonio Robles-Zurita, et al. *BMJ Open* 2017;7:e014849. doi:10.1136/bmjopen-2016-014849
10. Can community level intervention have impact on equity and utilization of maternal health care" - Evidence from Rural Bangladesh. **Quayyum, Z.**, Khan M N U., Quayyum, T. Nasreen, H.E., Chowdhury, M. and Ensor, T. *International Journal for Equity in Health* 2013, 12:22. p 1-13.
11. An assessment of the cost-effectiveness of magnetic resonance, including diffusion-weighted imaging, in patients with transient ischaemic attack and minor stroke: a systematic review, meta-analysis and economic evaluation. Wardlaw J, Brazzelli M, Miranda H, Chappell F, McNamee P, Scotland G, **Quayyum Z**, Martin D, Shuler K, Sandercock P, Dennis M (2014). *Health Technology Assessment*. Apr;18(27):1-368.
12. Clinical and imaging services for TIA and minor stroke: results of two surveys of practice across the UK. Brazzelli M, Shuler K, **Quayyum Z**, Hadley D, Muir K, McNamee P, De Wilde J, Dennis M,

Sandercock P, Wardlaw JM. *BMJ Open*. 2013 Aug 7;3(8). pii: e003359. doi: 10.1136/bmjopen-2013-003359.

13. Public Funding for community based skilled delivery care in Indonesia – to what extent are the poor benefited”. Tim Ensor, Mardiati Nadjib, **Zahidul Quayyum** and Amila Megraini. *European Journal of Health Economics*. 2008: 9, p 385-392.
14. Level and determinants of incentives for village midwives in Indonesia”, Tim Ensor, **Zahidul Quayyum**, Mardiati Nadjib and Purwa S`ucahya. *Health Policy and Planning*. 2009, January; 24 (1): p. 26 - 35.
15. Expenditure for obstetric care and the effects of insurance on protecting poor mothers. Lessons from two districts in Indonesia. **Quayyum Z**, Nadjib, M, Ensor, T., and Sucahya, P.K. *Health Policy and Planning*. 2010, May, 25 (3), p 237-47.
16. The cost-effectiveness of consistent and early intervention of harm reduction for injecting drug users in Bangladesh L Guinness, P Vickerman, **Z Quayyum**, A Foss, C Watts, A Rodericks, T Azim, S Jana, L Kumaranayake. *Addiction*. 2010 Feb, 105 (2); p 319-28.
17. Has laparoscopic colorectal surgery become more cost-effective over time? Aly OE, **Quayyum Z**. *Int J Colorectal Dis*. July 2012, Volume 27. Pp 855-880. [DOI 10.1007/s00384-012-1410-1]
18. The Effectiveness of Early Lens Extraction with Intraocular Lens Implantation for the treatment of Primary Angle Closure Glaucoma: A Randomised Controlled Trial. Augusto Azuara-Blanco, Jennifer M Burr, Claire Cochran, Craig Ramsay, Luke Vale, Paul Foster, David Friedman, **Zahidul Quayyum**, Jimmy Lai, Winnie Nolan, Tin Aung, Paul Chew, Gladys McPherson, Alison McDonald and John Norrie. *Trials* 2011, 12: 133.
19. Clinical Effectiveness and cost-effectiveness of imatinib at escalated doses of 600 mg/day or 800 mg/day for the treatment of unresectable and/or metastatic gastrointestinal stromal tumours which have progressed on treatment at a dose of 400 mg/day. Hislop J, **Quayyum Z**, Elders A, Fraser C, Jenkinson D, Mowatt G, Sharma P, Vale L, Petty R. *Health Tech Ass* 2011; Vol. 15: No 2.
20. A systematic review of the clinical and cost-effectiveness of rapid point of care test for the detection of genital Chlamydia in women and men. Jennifer, H., **Quayyum, Z**. Flett, G, Boachie, C., Fraser, C., Mowett G. *Health Tech Ass*. Vol.14: No.29. 2010.
21. The clinical effectiveness of glucosamine and chondroitin supplements in slowing or arresting the progression of osteoarthritis of the knee: a systematic review and economic evaluation. Black C, Clar C, Henderson R, MacEachern C, McNamee P, **Quayyum Z**, Royle P, and Thomas S.. *Health Tech Ass* 2009; Vol. 13. No. 52.
22. Economic burden of intracranial vascular malformations in adults: a prospective, population-based study. Clare E. Miller, **Zahidul Quayyum**, Paul McNamee, and Rustam Al-Shahi Salman. *Stroke*. 2009, June; 40 (6). p 1973-9.

23. The Demand for Child Curative Care in Two Rural Thanas of Bangladesh: Effects of Income and Women's Employment. Ann Levin, M A Rahman, **Zahidul Quayyum**, Subrata Routh and Barket-e-Khuda. *Int. J Health Plann Magmt*, 2001, 16: 179-194.
24. Impact of national immunization days on polio-related knowledge and practice of urban women in Bangladesh. A Quaiyum, Cris Tunon, **Z Quayyum**, A H Baqui. *Health Policy and Planning*, 12(4), 1997.

b) Peer Reviewed Chapters:

25. Mobilization of Resources for the Rohingya Humanitarian Crisis. Chapter 9, Humanitarian Crisis in Rohingya Camps - A Health Perspective. **Zahidul Quayyum**, Mahmud Muntasir Homsni, Syed Abdul Hamid, and Atonu Rabbani. Bangladesh Health Watch Report 2018-19. Bangladesh Health Watch. March 2020.
26. Reproductive Health Care in Rohingya Refugee Camps, Chapter 5, Humanitarian Crisis in Rohingya Camps - A Health Perspective. Bachera Aktar, Rushdia Ahmed, Md Tanvir Hasan, **Zahidul Quayyum** and Sabina Faiz Rashid. Bangladesh Health Watch Report 2018-19. Bangladesh Health Watch. March 2020.
27. Maternal and Peri-natal Conditions." 2006. **Disease Control Priorities in Developing Countries (2nd Edition)**, ed. , 499-530. New York: Oxford University Press. DOI: 10.1596/978-0-821-36179-5/Chpt-26. Wendy J. Graham, John Cairns, Sohinee Bhattacharya, Colin H. W. Bullough, **Zahidul Quayyum**, and Khama Rogo. The chapter *inter alia* studied the cost-effectiveness of Maternal Health Intervention Strategies in South Asia and Sub-Saharan Africa and my contributions relate to this section of the chapter.

Published Research Report/Monograph/Working Papers

1. Current, future and avoidable costs of stroke in the UK. Anita Patel, Vladislav Berdunov, Derek King, **Zahidul Quayyum**, Raphael Wittenberg, and Martin Knapp. Report Submitted to the Stroke Association, UK. February 2018.
2. Cost of Providing Maternal, Newborn and Child Health Care: Estimates from BRAC's IMNCS Programme in Rural Bangladesh. Khan, M.N.U. **Quayyum, Z.**; Quayyum T, Nasreen, H.; Shah Noor Mahmud, and Ensor, T. Research Monograph Series No. 45. July 2012. BRAC & Ipact, University of Aberdeen.
3. Household Costs of Obtaining Maternal and Newborn Care in Rural Bangladesh: Baseline Survey. Khan, M.N.U. **Quayyum, Z.**; Nasreen, H.; Ensor, T.; Salahuddin, S. BRAC,s RED Research Monograph Series No. 43. December 2009. BRAC & Ipact, University of Aberdeen.
4. Health seeking behaviour, willingness and ability to pay for essential services in Urban Bangladesh: M Khan, **Zahidul Quayyum**, Shakil Ahmed, Nazmul Sohel and Badal Chandra Dhar. Published as a peer reviewed Special Publication Series of the Health Economics Programme, Public Health Sciences Division. ICDDR,B. 2001.
5. Willingness to Pay for Health Insurance in the Rural Areas of Bangladesh: Levels and Determinants; S R Howlader, Z Quayyum, A H Reza, S Ahmed, Institute of Health Economics. Published Research Report of Institute of Health Economics, University of Dhaka. February 2001.
6. How do village midwives earn a living in Indonesia? Evidence from two districts in Banten Province. Ensor, T., Nadjib, M., Suahya, P., & **Quayyum, Z.**: Report of the Policy and Health Systems/Economic Outcomes, Initiative for Maternal Mortality Impact Assessment (IMMPACT). Aberdeen & Jakarta. 2006.

7. Inequality in Access to and Financing of Obstetric Care in two districts of Indonesia: Are poor benefiting from the Bidan Di Desa Programme and public provision of care? **Quayyum, Z.**, Ensor, T., Najib, M., Suahya, P., & Pambudi, E.S. Report of the Policy and Health Systems/Economic Outcomes, Initiative for Maternal Mortality Impact Assessment. Aberdeen & Jakarta. 2006.
8. Cost of obstetric care and economic consequences for the mothers in hospitals of Serang and Pandeglang districts': Mardiaty Nadjib , **Zahidul Quayyum** , Tim Ensor, Purwa Kurnia Suahya, Susilawati ,Amila Megraini. Report of the Policy and Health Systems/Economic Outcomes, Initiative for Maternal Mortality Impact Assessment. Aberdeen & Jakarta. (2006).
9. Cost Analysis of Village Midwifery Services in Serang and Pandeglang: Efficiency and Financial Sustainability of the Programme. **Zahidul Quayyum**, Mardiaty Nadjib, Purwa K Suahya and Tim Ensor. Report of the Policy and Health Systems/Economic Outcomes, Initiative for Maternal Mortality Impact Assessment. University of Aberdeen & University of Indonesia, Jakarta (2006).
10. Modelling the Impact of Cost effectiveness of CARE Shakti: an HIV Prevention Programme for Injecting Drug Users and Sex Workers in Bangladesh- Lorna Guinness, Anna Foss, Charlotte Watts, **Zahidul Quayyum**, Peter Vickerman, Tasnim Azim, Smarajit Jana, Lilani Kumarnayake. A project study report of Health Policy Unit of London School of Hygiene and Tropical Medicine. London, UK. 2002.
11. Output and Costs of Health Care Provided at District Hospitals: A Case Study of Two District Hospitals in Bangladesh: **Z Quayyum**, and S R Howlader. Published Research Report of Institute of Health Economics, University of Dhaka. October 2000.
12. Charging fees for MCH-FP services: Lessons learned from operations research. **Zahidul Quayyum**, Ann Levin, Thwin Aye Aye, Subrata Routh and Barkat-e-Khuda. Paper Presented at Seminar on Family Planning Programmes in the Twenty-first Century, Dhaka, Bangladesh, 17-20 January 2000. Seminar Organized by the IUSSP Committee on Fertility and Family Planning and the Operations Research Program, International Centre for Diarrhoeal Disease Research, Bangladesh. The paper was published as monograph of the seminar proceedings. 2000
13. A Review of Cost Recovery Strategies in the Health and Population Sector of Bangladesh: **Zahidul Quayyum**, Subrata Routh, Mahbub Alam Majumder, Barkat-e-Khuda. Published as a Special Publication Series of the Operations Research Project. ICDDR,B. April 1999.
14. Establishing a Systematic Pricing Mechanism for MCH-FP Services of NGOs in the Urban Bangladesh: A Preliminary Assessment. **Zahidul Quayyum**, A A Thwin, Subrata Routh, A H Baqui. A peer reviewed working paper published by the Urban MCH-FP Extension Project, ICDDR, B, published in October 1997.
15. "New Horizons for Jute", **Zahidul Quayyum**, S R Ranganathan.: A book published by National Information Centre for Textile and Allied Subjects (NICTAS), Ahmedabad, India. February 1993.
16. "Jute Has a Bright Future", **Zahidul Quayyum** and Finn Terkelson. Article published in Textile Horizon, October 1989, Textile Institute, Manchester, UK.

Presentations in conferences and seminars

1. "Healthcare Needs and Health-Seeking Behavior among Rohingya Refugees in Cox's Bazaar, Bangladesh: A Study in Selected Camps." Nazrana Khaled, Irin Akhter, Sameen Nasar, Muhammad Riaz Hossain, Md. Akramul Islam, Faisal Ahmed, Mohammed Abdus Salam, Tanvir Hassan and **Zahidul Quayyum**. A paper presented at the International Conference on Rohingya Refugees, organized by North South University, Dhaka, Bangladesh. July 2019
2. "Use of a Delphi-style process to obtain expert views on research priorities and model parameters for forecasting costs of stroke". **Zahid Quayyum**, Anita Patel, Vladislav Berdunov, Raphael Wittenberg, Derek King, Martin Knapp. Abstract accepted for presenting to the European Health Economics Association Conference held in Maastricht, The Netherlands, on 11-14 July 2018.
3. "Estimating aggregate societal cost burden of stroke in the UK using a discrete event simulation model, Vladislav Berdunov, Anita Patel, **Zahid Quayyum**, Raphael Wittenberg, Derek King, and Martin Knapp". Abstract accepted for oral presentation to the European Health Economics Association Conference to be held in Maastricht, The Netherlands, 11-14 July 2018.
4. "Economic evaluation of culprit lesion only PCI versus immediate multivessel PCI in acute myocardial infarction complicated by cardiogenic shock: the CULPRIT-SHOCK trial". Jose Robles-Zurita, Andrew Briggs, **Zahidul Quayyum**, Keith Oldroyd, Uwe Zeymer, Steffen Desch, MD, Suzanne de Waha, and Holger Thiele. Abstract accepted for oral presentation to the European Health Economics Association Conference, held in Maastricht, The Netherlands, 11-14 July 2018.
5. Inequality in Utilization and Incidence of Benefits of Free Personal care in Scotland: **Quayyum, Z.**, and McNamee, P. Paper presented at the Health Economics Study Group Conference, January 2014.
6. Can community level intervention have impact on equity and utilisation of maternal health care - Evidence from Rural Bangladesh: **Quayyum, Z**, Khan, MNU., Quayyum, T., Nasreen, HE., Chowdhury, M., Ensor. Poster presented at Global Maternal Health Conference 2013, held in Tanzania. 15-17 Jan 2013
7. Costs Of Abortion Care To Mothers In Rural Bangladesh: Are All These Costs Avoidable: Mohammad Nasir uddin Khan, **Zahidul Quayyum**, Tasmeen Quayyum, Hashima E Nasreen, and Tim Ensor. Poster presented at Second Global Symposium on Health Research, held in Beijing, 31 October – 3 November 2012.
8. Retention of community health workers for maternal and new born care in rural Bangladesh: Level and determinants. Tasmeen Quayyum, **Zahidul Quayyum**, Mohammad Nasir uddin Khan, Hashima E Nasreen, and Tim Ensor. Poster presented at Second Global Symposium on Health Research, held in Beijing, 31 October – 3 November 2012.
9. Developing a need based resource allocation formula using inverse probability weighting methods in poor data settings: lessons from Bangladesh - **Zahidul Quayyum**, Damilola Olajide, Tim Ensor. Paper accepted for discussion and presentation at the UK Health Economics Study Group conference held in Bangor, UK 29 June- 1 July 2011.
10. "Utilisation of and expenditure for maternal and new born care and poverty impact in rural Bangladesh: Role of community level intervention". **Zahidul Quayyum**, Nasir-uddin Khan, Hashima-e-

Nasreen, Tim Ensor, Peter Nicholls, Margaret Leppard, on behalf of the BRAC/IPact MNCH project group. Paper presented at ESRC Seminar on Poverty and off-target health MDGs: Maternal, newborn and child survival held on 17-18 January 2011, University of Aberdeen.

11. Creating Realistic Scenarios for Sensitivity Analysis in Economic Evaluation - Applying Parameter Data from a Different Setting: A Case Study on Chlamydia Testing. Hislop J, **Quayyum Z**. Paper presented at Health Technology Assessment International Conference, Dublin, June 2010.
12. Household costs of obtaining maternal and new-born care in rural Bangladesh. Khan, M.N.U., **Quayyum, Z.**, Nasreen, H., Ensor, T. and Salahuddin, S. Paper presented at the International Conferences on War Against Chronic Poverty hosted by the Brooks World Poverty Institute (BWPI) at the University of Manchester and Chronic Poverty Research Centre, Manchester. 8-10 September 2010.
13. The use of mapping in estimates of cost-effectiveness: helpful or harmful? McNamee, P. **Quayyum, Z.** Black C, Clar C, Henderson R, MacEachern C, Royle P, and Thomas S. 32nd Annual Meeting of the Society for Medical Decision Making held in October 24 - 27, 2010. Toronto, Canada.
14. Interventions to reduce maternal mortality and economic implications for scaling them up and adopting in low and middle income settings: Lessons from Impact Project in three countries. **Zahidul Quayyum**. Invited key speaker at the International Conference on "Scaling up - An Essential strategy for attaining good health for all". Conference held in Dhaka, Bangladesh, 3-6 December 2008.
15. Efficiency of Community Level Midwifery Care in Indonesia: a Stochastic Frontier Analysis. **Zahidul Quayyum**, Smith M. Paper presented at the Health Economics Study Group, UK, held during 27-29 July 2008 at University of Aberdeen, Scotland, UK.
16. Do poor mothers have access to village level midwifery services and public facilities for obstetric care? Evidence from two districts in Indonesia. **Zahidul Quayyum**, Tim Ensor, Mardiaty Nadjib, Purwa Kurnia Suchaya and Eko Pamudi. Poster presented at the 6th World Congress of Health Economics. International Health Economics Association. 6th World Congress, Copenhagen, Denmark. 8-11 July 2007.
17. Cost effectiveness of maternal and perinatal health interventions: lessons from DCP and IMMPACT. McNamee, P. and **Quayyum, Z**. Oral presentation to the West African Health Organisation Annual Meeting, Accra, Ghana, June 2007.
18. The Direct Costs of Safe Motherhood Programmes: Costs and Resource Implications. **Quayyum, Z**. Oral presentation at the IMMPACT International Symposium, Royal College of Obstetrics and Gynaecology, London, February, 2007.
19. To what extent do people care about the size of health inequalities? The feasibility of methods to generate distributional weight. McNamee P, **Quayyum Z**, Megraini A, Nadjib M, Newlands D. Advancing Health Equity Conference. World Institute of Development Economics Research (WIDER), Helsinki 2006.
20. Challenges in identification and measurement of equity in maternal health. **Zahidul Quayyum**, McNamee P, Chikwama C, Newlands D. Paper Presented at Forum 9, Global Forum for Health Research. Mumbai, India. 12-16 September 2005.

21. Achieving efficiency in a harm reduction programme for injecting drug users in Dhaka, Bangladesh. Guinness L, **Quayyum Z**, Foss A, Watts C, Vickerman P, Azim T, Jana S, Kumarayanake L. International AIDS Network (IAEN) Conference, Bangkok, Thailand, 9-10 July 2004.
22. Charging fees for Maternal Child Health and Family Planning (MCH-FP) services: Lessons learned from operations research. **Zahidul Quayyum**, Ann Levin, Thwin Aye Aye, Subrata Routh and Barkat-e-Khuda. Paper Presented at Seminar on "Family Planning Programmes in the Twenty-first Century", Dhaka, Bangladesh, 17-20 January 2000.
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