

Curriculum Vitae:

Name : **Zahidul Quayyum**
Present Position : **Research Fellow (Health Economist)**
Health Economic Research Unit, University of Aberdeen, Polwarth
Building, Foresterhill. AB25 2ZD. Scotland. UK.
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ACADEMIC QUALIFICATION

1. M. Sc. Health Policy Planning and Financing. Course jointly offered London School of Hygiene and Tropical Medicine and London School of Economics, University of London, UK.
2. MA in Economics Thammsat University, Bangkok, Thailand.
3. Masters of Social Science (MSS), in Economics, University of Dhaka, Dhaka, Bangladesh.
4. Bachelors of Social Science (BSS), Honours in Economics, University of Dhaka, Dhaka, Bangladesh.

EMPLOYMENT RECORD:

1 March 2007 – to date **Research Fellow (Health Economist)**, Health Economics Research Unit (HERU), University of Aberdeen, UK

31 August 2006 - 28 February 2007: **Health Economist**, Economic Outcomes Work Programme, IMMPACT. University of Aberdeen, UK.

19 March 2004 - 30 August, 2006 **Health Services Economic Researcher (Research Fellow)**, IMMPACT, University of Aberdeen, UK.

1 August 1999 – 22 March 2004 **Assistant Professor**, Institute of Health Economics, University of Dhaka, Bangladesh.

Teaching Fellow, Department of Economics and Related Studies, University of York, UK

15 August 2001 - 30 October 2001 **Consultant Health Economist** for the London School of Hygiene and Tropical Medicine Study Project on Modelling the Impact and Cost Effectiveness of CARE SHAKTI HIV Prevention Programme in Bangladesh.

1 August 1999 - 05 October 2000 **Consultant Health Economist**, Health Economics Programme (HEP), Public Health Sciences Division, Centre for Health and Population Research, ICDDR,B. Dhaka, Bangladesh

- 11 April 1999 – 31 July 1999 *Senior Operations Researcher*. Health Economics Programme (HEP), Public Health Sciences Division. Centre for Health and Population Research, ICDDR,B. Dhaka, Bangladesh.
- 1 August 1997 to 10 April 1999 *Senior Operations Researcher* (Health Financing and Sustainability Team). Operations Research Project .Centre for Health and Population Research, ICDDR,B. Mohakhali, Dhaka, Bangladesh
- 1 December 1994 - 31 July 1997 *Senior Operations Researcher*, Urban Health Extension Project, Public Health Sciences Division, Centre for Health and Population Research, ICDDR,B., Dhaka, Bangladesh.
- 7 November 1993 to 30 Nov.1994 *Research Investigator*, Community Health Sciences Division, Centre for Health and Population research, ICDDR,B. Mohakhali, Dhaka, Bangladesh. , Urban Health Extension Project,
- 1 February 1985 to 6 Nov. 1993 *Research and Statistical Officer*. International Jute Organisation¹. Dhaka, Bangladesh.
- 1 October, 1984 to 31 Jan. 1985. *Research Associate*, Bangladesh Institute of Development Studies. Agargaon, Dhaka. Bangladesh.

Teaching experiences:

1. Tutor for the Post Graduate Certificate in Health Economics offered by Health Economics Research Unit, University of Aberdeen.
2. Teaching Health Economics (selected topics) to the Medical Students (Course: Medicine and Economics) at the University of Aberdeen, 2005, 2006, 2009 and 2010.
3. Teaching Health Economics (selected topics) to M. Sc Public Health, and MSc International Health Management students at the University of Aberdeen, 2008 - 2011.
4. Teaching Health Economics for M. Sc Public Health, as guest lecturer, University of Dundee. 2001.
5. Teaching Research Methods (selected topics) to the 3rd year B. Sc. Health Sciences students, Department of Public Health, University of Aberdeen. Autumn 2006- 2011.
6. Worked as Teaching Fellow at the University of York, UK. Teaching Micro-Economics and Macro Economics to the undergraduate students. Autumn 2002, and 2003.
7. Teaching at the Short Course on ‘International Health Economics’ organised by the Centre for Health Economics, University of York, UK. Summer 2003.

¹ An International Commodity Organization that was established in 1982 under the auspices of United Nations Conference for Trade and Development (UNCTAD) with its Headquarters in Dhaka, Bangladesh.

8. Teaching at the Two-week Short Course on Health Economics offered by the Institute of Health Economics, University of Dhaka. Bangladesh during 1999 – 2000.

Other special training workshop

1. Teaching at a training workshop on Economic Evaluation, emphasizing costing community level intervention for the improvement of maternal and neo-natal and child health. The workshop was organised for researchers and programme managers of Brac, Dhaka, Bangladesh. . 20 -24 June 2011
2. Teaching at a training workshop on Monitoring and Evaluation of Maternal Health intervention. Organised by Ipact and JP Grant Public Health School of Brac University and funded by UNFPA. December 2009. The workshop was attended by participants from Bangladesh, Vietnam, Cambodia, Nepal, and Pakistan.

MEMBERSHIP OF PROFESSIONAL BODIES

Member, Health Economics Study Group, UK
Member , Scottish Economic Society, Scotland
Life Member, Bangladesh Economic Association
Life Member, Bangladesh Public Health Association
Life Member, Bangladesh Health Economics Associations

Language proficiency

Fluent in English and Bengali (mother tongue). Also can understand and speak Urdu and Hindi well.

PUBLICATIONS/RESEARCH REPORTS

Publications:

a. Peer-Reviewed journal articles, chapter published

1. **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.
2. **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 25
3. **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., Graham. Technology Assessment Report commissioned by the NHS R&D HTA Programme on behalf of the National Institute for Health and Clinical Excellence. *Health Technology Assessment*. Vol.14: No.29. 2010.
4. **Expenditure for obstetric care and effects of insurance on protecting poor mothers. Lessons from two districts in Indonesia.** *Quayyum Z*, Nadjib, M, Ensor, T., and Suchaya, P.K. Paper published in *Health Policy and Planning*. 2010, May, 25 (3), p 237-47.
5. **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. Paper published in “*Addiction*”. 2010 Feb, 105 (2); p 319-28.
6. **The clinical effectiveness of glucosamine and chondroitin supplements in slowing or arresting 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 Technology Assessment* 2009; Vol. 13. No. 52.
7. **Cost-effectiveness of glucosamine sulphate for knee osteoarthritis of the knee: results from economic model.** McNamee P, *Quayyum Z*, Clar C, Henderson R, MacEachern C, Royle P, Thomas S and Black C. *Osteoporosis International*. March 2009. 20. P.80-80.
8. **Economic burden of intracranial vascular malformations in adults: prospective, population-based study.** Clare E. Miller, *Zahidul Quayyum*, Paul McNamee, and Rustam Al-Shahi Salman. Paper published in journal “*Stroke*”. 2009, June; 40 (6). p 1973-9.
9. **Level and determinants of incentives for village midwives in Indonesia**, Tim Ensor, *Zahidul Quayyum*, Mardiati Nadjib and Purwa Suchaya. *Health Policy and Planning*. 2009, January; 24 (1): p. 26 - 35.

10. **Public Funding for community based skilled delivery care in Indonesia – to what extent are the poor benefited**”. Tim Ensor, Mardiaty Nadjib, *Zahidul Quayyum* and Amila Megraini. *European Journal of Health Economics*. 2008: 9, p 385-392.
 11. **"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 relates to this section of the chapter.
 12. **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 Barkat-e-Khuda. *Int. J Health Plann Magmt*, 2001, 16: 179-194.
 13. **Impact of national immunization days on polio-related knowledge and practice of urban women in Bangladesh.** A Quayyum, Cris Tunon, *Z Quayyum*, A H Baqui. *Health Policy and Planning*, 12(4), 1997.
- b. Peer-Reviewed Research Monograph – published**
14. **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. *Research Monograph Series No. 43*. December 2009. BRAC & Ipact, University of Aberdeen.
 15. **Health Seeking Behaviour, willingness and ability to pay for essential services, and cost of providing the Essential Health Services in Rural Bangladesh: Implications for fees for services and health care financing :** M Khan, Shakil Ahmed, *Zahidul Quayyum*, 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. 2002
 16. **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
 17. **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. Seminar Organized by the IUSSP Committee on Fertility and Family Planning and International Centre for Diarrhoeal Disease Research, Bangladesh. The paper was published as monograph of the seminar proceedings.
 18. **A Review of Cost Recovery Strategies in the Health and Population Sector of Bangladesh:** *Zahidul Quayyum*, Subrata Routh, Mahbubl Alam Majumder, Barkat-e-Khuda. Published as a Special Publication Series of the Operations Research Project. ICDDR,B. April 1999.

19. **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.
- c. Other Research Reports**
20. **How do village midwives earn a living in Indonesia? Evidence from two districts in Banten Province.** Ensor, T., Nadjib, M., Suchahya, P., & *Quayyum, Z.*: Report of the Policy and Health Systems/Economic Outcomes, Initiative for Maternal Mortality Impact Assessment (IMMPACT). Aberdeen & Jakarta. 2006.
 21. **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., Suchahya, P., & Pambudi, E.S. Report of the Policy and Health Systems/Economic Outcomes, Initiative for Maternal Mortality Impact Assessment. Aberdeen & Jakarta. 2006.
 22. **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 Suchahya, Susilawati ,Amila Megraini. Report of the Policy and Health Systems/Economic Outcomes, Initiative for Maternal Mortality Impact Assessment. Aberdeen & Jakarta. (2006).
 23. **Cost Analysis of Village Midwifery Services in Serang and Pandeglang: Efficiency and Financial Sustainability of the Programme.** *Zahidul Quayyum*, Mardiaty Nadjib, Purwa K Suchahya 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).
 24. **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.
 25. **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.

Presentations in conferences and seminars

1. **“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.
2. **“Need based allocation for reproductive health care as means of achieving equitable and efficient allocation for family planning services in Bangladesh”.** *Zahidul Quayyum*. Paper presented at ESRC funded seminar- Understanding Poverty and Health:

Does Geography Matter. Seminar held at the Institute of Advanced Studies. 8 July 2011. University of Warwick. UK.

3. **“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.
4. **Household costs of obtaining maternal and newborn care in rural Bangladesh. Can poor households afford skilled care in rural Bangladesh?** Khan, M.N.U., *Quayyum, Z.*, Nasreen, H., Ensor, T. and Salahuddin, S. Paper accepted for presentation at the Global Maternal Health Conference 2010. New Delhi. 30 August -1 September 2010.
5. **Household costs of obtaining maternal and newborn 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.
6. **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 to be held in October 24 - 27, 2010. Toronto, Canada.
7. **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.* A paper accepted for the oral presentation at Health Technology Assessment International, Dublin, June 2010.
8. **Need based resource allocation as means of achieving equitable and efficient allocation in Bangladesh.** *Z Quayyum and Tim Ensor.* Paper presented for oral presentation at the 7th World Congress of the International Health Economics Associations. 12-15 July in Beijing, 2009.
9. **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 presentation 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.
10. **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.
11. **Cost of obstetric care and economic consequences for the households: Are poor mother protected? Lessons from two districts in Indonesia.** Mardiaty Nadjib, *Zahidul Quayyum,* Tim Ensor, Susilawati, Purwa K. Sucahya, Amila Megraini. Paper presented at the 6th World Congress of Health Economics. *International Health Economics Association. 6th World Congress*, Copenhagen, Denmark. 8-11 July, 2007.

12. **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. 6 th World Congress*, Copenhagen, Denmark. 8-11 July, 2007.
13. **Costing village midwifery services in two districts of Indonesia: Lessons for efficiency and cost-effectiveness analysis of community level midwifery care as safe motherhood strategy.** Purwa K. Suchaya, *Zahidul Quayyum*, Mardiaty Nadjib, and Tim Ensor. Poster presented at the 6th World Congress of Health Economics. *International Health Economics Association. 6 th World Congress*, Copenhagen, Denmark. 8-11 July, 2007.
14. **Cost effectiveness of maternal and perinatal health interventions: lessons from DCPD and IMMPACT.** McNamee, P. and *Quayyum, Z.* Oral presentation to the West African Health Organisation Annual Meeting, Accra, Ghana, June 2007.
15. **The Direct Costs of Safe Motherhood Programmes: Costs and Resource Implications.** *Quayyum, Z.* Oral presentation at the Immpact International Symposium, RCOG, London, February, 2007.
16. **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.
17. **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.
18. **Are the poor benefited from exemption policy of user charges? Evidence from three sub-districts health centres in Bangladesh.** *Zahidul Quayyum*, Nahid Akhtar Jahan, Azizur Rahman, Syed Abdul Hamid, Priti Dev Sen, and Abdul Hamid Moral. Paper presented at the 5th World Congress of the *International Health Economics Association*. Barcelona. July 2005.
19. **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.
20. **Cost-effectiveness of the CARE-SHAKTI IDU intervention in Bangladesh.** Guinness L, Foss A, Watts C, *Zahidul Quayyum*, Vickerman P, Azim T, Jana S, Kumarayanake L. 14th *International Conference on the reduction of drug related harm*, Chiang Mai, Northern Thailand. 6-10 April 2003. [Abstract 844 460-2541].
21. **Willingness and ability to pay for essential services in Urban Bangladesh: Implications for fees for services:.** *Zahidul Quayyum*, M M Khan, K Jamil, A A Kabir, N Muhammad. Paper Presented (as poster) at the Third International Conference organized by the *International Health Economics Association*. University of York. York July 22-325, 2001.

22. **Willingness to Pay for Health Insurance in the Rural Areas of Bangladesh: Levels and Determinants;** S R Howlader, *Zahidul Quayyum*, A H Reza, S Ahmed. A Paper Presented (as poster) at the Third International Conference organized by the *International Health Economics Association*. University of York. York July 22-325, 2001.
23. **Private Practice by Public Doctors in Bangladesh: Some issues.** *Zahidul Quayyum* and : M M Khan. Paper presented at the Workshop on “Private Practice by Public Doctors” held at the London School of Hygiene and Tropical Medicine on 17-21 January, 2000.
24. **Reducing Drug Costs Through Rationalization of Diarrhoea and ARI Case Management at Urban PHC Level.** *Zahidul Quayyum*, Selina Amin, Shams-el Arifeen, Cris Tunon, and AH Baqui. Paper presented at annual conference of *National Council for International Health (NCIH)*, for the year 1998, held in Virginia, USA during 25-27 June 1998
25. **The Demand for Child Curative Care in Rural Bangladesh”.** Ann Levin, M A Rahman, *Zahidul Quayyum*, Subrata Routh and Barket-e-Khuda. Paper presented at the *Population Association of America (PAA)* 1998 Annual Meeting, held in Chicago, Illinois, USA on April 2-4, 1998.
26. **Willingness and Ability to Pay for MCH-FP Services in Urban Bangladesh.** *Zahidul Quayyum*, Subrata Routh A H Baqui, A A Thwin. Paper presented at the annual conference of *American Public Health Association held in November 1997.*
27. **Cost of MCH-FP Services Delivery: An Analysis of Concerned Women for Family Planning Branches.** Paper presented at *the Sixth Annual Scientific Conference of ICDDR,B.* 8-9 March 1997.

Other Activities:

- a. Journals refereeing:
 - Social Sciences and Medicines*
 - Health Policy and Planning*
 - International Journal of Health and Equity*
 - Cochrane Review: Cochrane Effective Practice and Organisation of Care Group*
 - Cost Effectiveness and Resource Allocation*
- b. Reviewing NICE guidelines for Health Economics Issues, Review of economic modelling for NIHR HTA proposals.