

# SHAFIUN NAHIN SHIMUL

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Flat#C-1, 146-147 Shantinagar, Dhaka-1217,

Bangladesh

## EDUCATION

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<b>PhD</b>	University of Nebraska-Lincoln, Economics (Public Economics) Dissertation: “Public Policy, Firm Size Distribution, and Corruption” Chair: Professor John E. Anderson	Aug 2017
<b>MSS</b>	University of Dhaka, Health Economics	June 2007
<b>MSS</b>	University of Dhaka, Economics	June 2005
<b>BSS</b>	University of Dhaka, Economics	June 2003

## HONORS AND AWARDS

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- The McConnell Outstanding Graduate Student Research Award (**the best paper award**)
  - o May 2017, Department of Economics, University of Nebraska-Lincoln
- **Excellence in Teaching Award**
  - o Apr 2017, Department of Economics, University of Nebraska-Lincoln
- The McConnell Outstanding Graduate Student Research Award (**the best paper award**)
  - o May 2016, Department of Economics, University of Nebraska Lincoln
- The McConnell Research Fellowship
  - o Aug 2015, University of Nebraska Lincoln
- **Excellence in Teaching Award**
  - o 2014, Department of Economics, University of Nebraska Lincoln
- Yuetter Fellowship (Summer Research grant)
  - o 2013, University of Nebraska Lincoln
- Ogle Fellowship
  - o 2013, University of Nebraska Lincoln
- Othmer Fellowship
  - o 2011-2014: University of Nebraska Lincoln

## RESEARCH EXPERIENCE

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Team Leader, COVID-19 Bangladesh Projection Team (voluntary)	April-2020-Present
<ul style="list-style-type: none"><li>o Volunteered to provide bi-weekly projection of COVID-19 cases for Bangladesh</li><li>o <i>Part of CoMo(COVID-19) Projection Modeling Consortium, University of Oxford</i></li></ul>	
Consultant, the World Bank Group	Nov 2018- Present
<ul style="list-style-type: none"><li>o One of the PIs in carrying out an RCT for impact evaluation of social recognition and motivational intervention for social service workers in Bangladesh</li></ul>	
Team leader	June, 2020-
<ul style="list-style-type: none"><li>o Developing OPD benefit package for SSK (social health insurance for the poor) in Bangladesh</li></ul>	
Health Economist	June, 2020-
<ul style="list-style-type: none"><li>o Feasibility study of establishing three medical universities, and six medical hospitals in Bangladesh</li></ul>	
Deputy team leader	April-July, 2020
<ul style="list-style-type: none"><li>o Developing a workable model (guideline) for RMG sectors</li></ul>	

Co-Investigator, Pathfinder Aug 2019-March 2020  
*Responsibilities:* Worked as Co-investigator of the project which intends to do key strategies to be adopted by Family Planning to achieve FP2020 and national level goals and their costing

Lead Researcher/Consultant (Economist) Dec 2018-May 2019  
 James P Grant School of Public Health, BRAC University (Funded by World Bank)  
*Responsibilities:* Conducted Economic Evaluation (Cost-Benefit analysis) of Adolescent Nutrition Interventions (study report available at <http://documents.worldbank.org/curated/en/777311566457641589/Taking-Collective-Action-to-Improve-Adolescent-Nutrition-in-Bangladesh-Investing-in-Cost-Effective-Interventions>)

Research Associate Dec 2018- July 2019  
 Bureau of Economic Research (funded by WHO & American Cancer Society)  
*Responsivities:* Contributed in developing questionnaire, analyzing data, writing reports and policy briefs, presenting the findings to the policy makers

Principal Investigator Oct 2018-Feb 2019  
 User satisfaction of health insurance for Leather Good Manufacturer workers  
 Funded by: GIZ  
*Responsivities:* Led along with the advisor in analysis, writing reports and policy briefs, presenting findings to the policy makers, and other related research works

Co-Investigator June 2019-Dec 2019  
 Situation Analysis: Health Care and Protection Services for GBV Survivors among the Rohingya (Forcibly Displaced Myanmar Nationals) Community in Cox's Bazar  
 Funded by: Ministry of Health and Family Welfare, Govt. of Bangladesh  
*Responsivities:* co-led in analysis, writing reports and policy briefs, presenting findings to the policy makers, and other related research works

Consultant (Health Economist) Sep 2018-Jan 2019  
 Assessment of spots in health care in Smiling Sun Network  
 Funded by: Chemonics (USAID)  
*Responsivities:* Led along with the advisor in analysis, writing reports and policy briefs, presenting findings to the policy makers, and other related research works

Team leader Jan 2018-Jan 2019  
 Ministry of Health and Family welfare funded research project on Betel-quid dependency  
*Responsivities:* Led the study, presented to the policy makers

Consultant (Health Economist) Oct 2018-Dec 2018  
 Assessment of Community Service Provider functionality and sustainability  
 Funded by: Chemonics (USAID)  
*Responsivities:* Proving technical support in carrying out cost-effectiveness analysis, writing reports, presenting findings to the policy makers, and other related research works

Lead Researcher/Health Economist May-Aug 2018  
 Introducing nutrition-sensitive social safety net programs (SSNP): Cost-Benefit Analysis of Rice Fortification, BRAC Research and Evaluation (RED): Funded by: FAO  
*Responsivities:* Led technical team to do cost-benefit analysis, wrote policy briefs

Lead Researcher/Health Economist May-Aug, 2018  
 Cost Benefit Analysis of expanding and strengthening safety net programs (SNPs) across the life cycle supporting vulnerable groups, BRAC Research and Evaluation (RED): Funded by: FAO  
*Responsibilities:* Led technical team to do cost-benefit analysis, wrote policy briefs

Lead Researcher/Health Economist May-Sep 2018  
 Cost Benefit Analysis of BCC in nutritional intervention  
 BRAC Research and Evaluation (RED): Funded by: FAO  
*Responsibilities:* Led technical team to do cost-benefit analysis, writing policy briefs and other related research works

Deputy Team Leader 2018-2019  
 Innovative MSE Financing Products and Delivery Channels in Bangladesh: Opportunities and Challenges, Funded by: BFFP Project (Nathan Associates/DFID)  
*Responsibilities:* Identified the regulatory barriers in innovative financing (financial inclusion) in Bangladesh

Graduate (Research) Assistant Aug 2011 to May 2017  
 University of Nebraska Lincoln  
 Responsibilities: carried out research activities especially in **impact evaluation of Nebraska weatherization programs**; accomplished research activities as assigned

Co-Investigator/Acting Principal Investigator 2008-2009  
 Revealing the Challenges and Piloting the new strategies for Urban and Peri-Urban TB Programme of BRAC in Bangladesh (Phase II-April 2008-Sep, 09). Funded by DFID through University of Leeds  
*Responsibilities:* supervised the field research team, developed questionnaire, did data analysis

Consultant (Health Economist) 2008-2009  
 BRAC Health Program: A Business/Economic Analysis: Special Focus on Community Health Workers of BRAC-Afghanistan, Bangladesh and Uganda. Funded by- Rockefeller Foundation  
*Responsibilities:* Provided technical support on costing and financial analysis of BRAC health volunteers' program

Co-investigator 2009-2010  
 Impact of the Global Recession on the Health of the Garment Workers of Bangladesh. Funded by WHO, SEARO  
*Responsibilities:* Provided technical support on costing and financial analysis of BRAC health volunteers' program

Co-investigator 2009  
 Revitalizing Health for All: Developing a Comprehensive primary Health Care Model for Bangladesh. Funded by IDRC, Canada  
*Responsibilities:* Provided technical as an economist; developed an index for evaluation

Research Associate (Health Economist) 2009-2010  
 District Investment Case Analysis (DICA) [Bottleneck analysis for health sector], funded by UNICEF, Bangladesh

Responsibilities: Provided technical as an economist; conducted workshop at the district and central level, wrote report, analyzed data

#### TEACHING EXPERIENCE

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- Associate Professor*** Nov 2019 to present  
Institute of Health Economics, University of Dhaka  
Responsibilities: Teaching economics, health economics and related courses at the graduate and under-graduate level; supervising master theses; carrying out research activities
- Assistant Professor*** Jun 2017 to Nov 2019  
Institute of Health Economics, University of Dhaka  
Responsibilities: Taught economics, health economics and related courses at the graduate and under-graduate level; supervising master theses; carried out research activities
- Graduate (Teaching) Assistant/Instructor*** Aug 2011 to May 2017  
University of Nebraska Lincoln  
Responsibilities: **Taught at undergraduate and PhD level**
- Lecturer*** Nov 2009 to May 2017  
Institute of Health Economics, University of Dhaka  
Responsibilities: Taught economics, health economics and related courses at the graduate and under-graduate level; carried out research activities
- Lecturer in Health Economics*** May 2008 to Oct 2009  
James P. Grant School of Public Health, BRAC University  
Responsibilities: Taught economics, health economics and related courses at the graduate and under-graduate level; Supervised master theses; carried out research activities
- Lecturer*** Aug 2006 to May, 2008  
Stamford University, Bangladesh  
Responsibilities: Taught economics, econometrics and related courses at the under-graduate level; carried out research activities; worked on curriculum development

#### PUBLICATIONS

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##### ***Working Papers***

- Spillover effects of state-level health expenditure and health outcomes: Evidence from Bayesian spatial analysis
- Missing Middles in Developing Countries: the Role of Corruption and Tax Regulation (dissertation essay)
- Fiscal Decentralization and its Spillover Effect on Corruption: Evidence from Bayesian Spatial Analysis (dissertation essay)
- Sectoral change in developing countries: the role of trade liberalization (dissertation essay)
- Anderson, J.E., Shimul, S., and Giertz, S. “Property Taxes for Agriculture: Use Value Assessment and Urbanization across the United States” Mercatus Working Paper, Mercatus Center at George Mason University, Arlington, VA, Aug 2015. (Revise & Resubmit)  
(<http://mercatus.org/sites/default/files/Anderson-Property-Taxation.pdf>)
- Anderson, J.E. and Shimul, S.. “Obstacles to Business Operations in Transition Countries: Comparative Analysis of Obstacles Reported in the 2009 BEEPS Data” Conference Paper, Federal Reserve Bank, Atlanta, USA Sep 2013  
(<https://www.frbatlanta.org/-/media/documents/news/conferences/2013/caed/I2Anderson.pdf>)

- Anderson, J.E. and Shimul, S.. “Estimating the Income Elasticity of the Property Tax Base ” Proceedings. Annual Conference on Taxation and Minutes of the Annual Meeting of the National Tax Association 105 (2012): 91-98. <http://www.jstor.org/stable/prancotamamnta.105.91>
- Anderson, J.E., Shimul, S.. “Preference for Redistribution in Transition Economies” Presented at ASSA Meeting, Chicago, IL, Jan 2017. (<https://www.aeaweb.org/conference/2017/preliminary/paper/teK66ZH4>)
- Do Higher Income and Health Care Spending Lead to Better Health? Evidence from Bayesian Spatial Panel Analysis, 2017
- Physician Payment System and Informal Payment in Health-care, 2017
- Benefit cost analysis of fortified rice distribution for social safety net beneficiaries, 2018 (for FAO)
- Benefit cost analysis of life cycle intervention for hard-to-reach areas of Bangladesh, 2018 (for FAO)
- Benefit cost analysis of balanced plate nutrition education, 2018 (for FAO)
- Strategy to reduce child marriage: benefit cost analysis, 2019 (for the World Bank)
- Economic evaluation of school feeding program in Bangladesh, 2019 (for the World Bank)
- Economic evaluation of nutrition education and physical activity promotion in the secondary school of Bangladesh, 2019 2019 (for the World Bank)

#### ***Selected peer reviewed published papers***

- Hasan, E., Khanam, M. & Shimul, S.N. Socio-economic inequalities in overweight and obesity among women of reproductive age in Bangladesh: a decomposition approach. *BMC Women's Health* 20, 263 (2020). <https://doi.org/10.1186/s12905-020-01135>
- Hussain, A, Rouf, A. & Shimul, S.N. et al. The economic cost of tobacco farming in Bangladesh. *Int. J. Environ. Res. Public Health* **2020**, 17(24), 9447; <https://doi.org/10.3390/ijerph17249447>
- Khanom, M. Shimul, S & Sarker, R. Individual, Household and Community Level Determinants of Childhood Under-nutrition in Bangladesh, *Health Services Research and Managerial Epidemiology*, Vol 6, 2019
- Joarder T, Shimul S N, Hasan M, et al. (2019) Predictors of Self-Reported Health Status of Ready-made Garment Workers in Bangladesh in Post Global Economic Recession Period. *Cureus* 11(9): e5742. DOI 10.7759/cureus.5742 (2019)
- Shimul et al. “Major Obstacles for SMEs: A Comparative Analysis of Bangladesh, South Asia and other Developing Countries”, *International Journal of SME development*, I-2, March 2019
- Anderson, J.E., Shimul, S.. “State and Local Tax Resilience: Estimates from Dynamic Heterogeneous Data Panels” *National Tax Journal* ,71(3), pages 521-546, Sep 2018
- Shimul, S. et al. “Remittance and Economic Development: Evidence from Bangladesh Using Unrestricted Error Correction Model Engel Granger Co-integration Approach” *Business and Economic Horizon*, April 2013. <http://tinyurl.com/hl9atc3>
- Shimul, S. et al. “Government Expenditure and Gross Domestic Product: Use of VAR and Granger Co-integration Approach” *Social Science Review [The Dhaka University Studies, Part-D]*, Vol. 27, No.2, 2009: 49-56
- Shimul, S. et al. “An Examination of FDI and Growth Nexus in Bangladesh: Engle Granger and Bound Testing Cointegration Approach” *BRAC University Journal*, Vol. VI, No. 1, 2009: 69-78.

#### ***Books***

- Reichenback, L. and Shimul, S.. “Sustaining health: the role of BRACs Community Health Volunteers in Bangladesh, Afghanistan and Uganda ” *BRAC Research Monograph Series No. 49* Sep 2011. <http://research.brac.net/monographs/Monograph49:pdf>

#### ***Under review***

- **Modelling the COVID-19 pandemic in context: an international participatory approach (co-author/consortium author; R&R BMJ Global Health)**
- Can Lockdown Reduce Infection Growth in Developing Countries? Evidence from COVID-19 Cases (first author)

- Impact early lockdown release in Saudi Arabia (first author)
- The Income Elasticity of Health Care Spending with Dynamic Heterogeneous Panels (first author)
- Factors Associated with COVID-19 Deaths and Infections: A Cross Country Evidence (first author)
- An analysis of expenditure behavior of remittances receiving household in Bangladesh: Evidence from Propensity Score Matching method (co-author)
- Impact of internal migration among ultra-poor households: Evidence from Bangladesh (co-author)
- The potential health and economic impact of dexamethasone treatment for patients with COVID-19 (co-author)

#### PRESENTATIONS AND INVITED LECTURES

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- Midcontinental Regional Science Association	Jun 2019
- American Economic Association, Atlanta,	
- Midcontinental Regional Science Association, Madison, WI, USA	Jun 2019
- American Economic Association, Atlanta, USA	Jan 2019
- Missouri Valley Econ. Ass. (MVEA) Conference, Kansas City, MO	Oct 2017
- Mid-continental Regional Science Association, Toledo, OH	June 2017
- National Tax Association Conference , Baltimore, MD	Nov 2016
- Missouri Valley Econ. Ass. (MVEA) Conference, St. Louis, MO	Oct 2016
- APPAM Conference, Washington, D.C.	Apr 2016
- National Tax Association Conference, Boston, MA	Nov 2015
- National Tax Association Conference, Santa Fe, NM	Nov 2014
- Southern Economic Association Conference, Tampa, FL	Nov 2013

#### PROFESSIONAL TRAINING

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##### *Participant in Training*

'Thinking Qualitatively' at James P Grant School of Public Health, BRAC University. 2008

##### *Participant in Training*

'Manage Successful Impact Evaluation' at Development Impact Evaluation, World Bank, Washington, DC (June 2019)

*Training on Social Health Insurance*, National Health Insurance Service (NHIS), South Korea & WHO (Seoul, South Korea: April 2018)

#### PROFESSIONAL AFFILIATIONS

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American Economic Association; National Tax Association; Association for Public Policy Analysis and Management (APPAM); Southern Economic Association; Missouri Valley Economic Association (MVEA), Midcontinental Regional Science Association

#### PROGRAMMING SKILLS

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**Stata (advanced)**, **Python** (working knowledge), **Matlab** (working knowledge), **R** (Basic), **SQL** (basic)

#### REFERENCES

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Economics, University of Nebraska, Lincoln, USA,  
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