Rashmita Basu, PhD

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Department of Public Health Brody School Of Medicine East Carolina University

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EDUCATION

Washington State University
Ph.D. Economics (joint MS in Statistics)
Pullman, WA
12/2009
University of Idaho
Moscow, ID
M.A. Accounting
12/2003

University of Kalyani (India) WB, India M.A. Economics 1995

University of Kalyani (India) WB, India B.A. Economics 1992

ACADEMIC POSITION

East Carolina University Greenville, NC

Assistant Professor 07/2019-

Texas Tech University

Assistant Professor

Lubbock , TX

12/2017 – 06/2019

Baylor Scott&White Health Temple, TX

Assistant Investigator 04/2012 – 11/2017

Baylor Scott&White Health Temple, TX

Research Scientist 01/2010 – 03/2012

Research Associate, Kalyani, WB INSPARC (India) 1998-1999

Instructor, British Institute Ranaghat, WB

1997-1998

FIELD OF INTEREST

- Health Economics and Policy
- Health Insurance, Long-Term Care Delivery and Financing
- Health Services and Outcomes Research
- Public Health Program/Policy Evaluation

PUBLICATIONS

- 1. **Basu R**. Characteristics of Medicare Advantage Plans and Health and Quality of Life Outcomes: Evidence from the Medicare Health Outcomes Survey (*Accepted*, *December 2024*; *Journal of Aging and Social Policy*)
- 2. Steiner-Brett, A. C., & **Basu**, **R**. (n.d.). The effects of a virtual music-assisted wellness workshop on family caregivers' quality of life: A pilot study. *Music Therapy Perspectives* (*Published October 2023*; https://doi.org/10.1093/mtp/miad025)
- 3. Luo H, Moss ME, **Basu R**, Grant FT. Rural-Urban Differences in Use of Dental Services and Procedures Among Medicare Beneficiaries in 2018. Public Health Rep. 2023 Oct 14:333549221128336. doi: 10.1177/00333549221128336. Epub ahead of print. PMID: 36239470
- 4. **Basu R**. Luo H. and Steiner A. Life satisfaction among individuals 50 years or older: Why living arrangements matter? International Journal of Healthcare; 2022; vol. 8; No. 2; 19-27
- 5. Luo H, Qu H, **Basu R**, Rafferty AP, Patil SP, Cummings DM. Willingness to Get a COVID-19 Vaccine and Reasons for Hesitancy Among Medicare Beneficiaries: Results From a National Survey. J Public Health Manag Pract. 2022 Jan-Feb 01;28(1):70-76. doi: 10.1097/PHH.000000000001394. PMID: 34081668.
- 6. **Basu R**, Steiner AC, Stevens AB. Long-Term Care Market Trend and Patterns of Caregiving in the U.S. J Aging Soc Policy. 2022 Jan-Feb; 34(1):20-37. doi: 10.1080/08959420.2021.1926209. Epub 2021 May 21. PMID: 34016034
- 7. **Basu R**, Wu B, Luo H, Allgood L. Association between home health agency ownership status and discharge to community among Medicare beneficiaries. Home Health Care Serv Q. 2021 Oct-Dec; 40(4):340-354. doi: 10.1080/01621424.2021.1984360. Epub 2021 Oct 26. PMID: 34698614.
- 8. **Basu R**, and Liu H. Financial Burdens of Out-of-Pocket Spending Among Medicare Fee-for-Service Beneficiaries: Role of the "Big Four" Chronic Health Conditions. Medical Care Res Rev. 2021 Aug 27:10775587211032837. doi: 10.1177/10775587211032837. Epub ahead of print. PMID: 34448418.
- 9. Luo H, **Basu R**, Bell RA, Rafferty AP, Zeng X, Qu H, Dove C. Rural-urban differences in uptake of diabetes self-management education among Medicare beneficiaries: Results from the 2016 to 2018 Medicare Current Beneficiary Survey. J Rural Health. 2021 May 12. doi: 10.1111/jrh.12588. Epub ahead of print. PMID: 33978980.
- 10. **Basu R.**, Wu. B, and Luo H. Caregiving Relationship and the Healthcare Utilization for Care Recipients: Does Spousal Caregiving Matter? *International Journal of Applied Economics; March 2021*
- 11. Luo H, Wu Q, Bell RA, Wright W, Quandt SA, **Basu R**, Moss ME. Rural-Urban Differences in Dental Service Utilization and Dental Service Procedures Received Among US Adults: Results From the 2016 Medical Expenditure Panel Survey. J Rural Health. 2021 Jun;37(3):655-666. doi: 10.1111/jrh.12500. Epub 2020 Jul 22. PMID: 32697007; PMCID: PMC7855605
- 12. Xu. D., and **Basu R.** How the United States Flunked the COVID-19 Test: Some Observations and Several Lessons" American Review of Public Administration; July 2020
- 13. **Basu R.** Financial Sophistication and Private Long-Term Care Insurance Purchase Decision", *Journal of Health Care Finance*, Winter, 2020; pp.1-16
- 14. Basu R. Cognition, Liquidity and Lapse of Long-Term Care Insurance: Evidence

- from the Health and Retirement Study," *International Journal of Applied Economics*, vol.17, No.1, pp: 1-30, 2020
- 15. Cho J, Stock EM, Liao I, Zeber JE, Ahmedani BK, **Basu R**., Quinn C, Copeland LA. Multiple chronic conditions profiles and survival among oldest-old male patients with hip fracture. Archives of Gerontology and Geriatrics, 74:184-190, 2018
- 16. **Basu R**. Delivery of Long-Term Care Supports Services and Care Recipients' Health Outcomes: Synthesis of Current Evidence. Health Economics and Outcomes Research, Open Access, vol.3, No. 7, pp. 1-4, 2017
- 17. Copeland LA, Quinn C, Stock EM, Cho J, **Basu R**., Zeber JE, and Ahmedani BK. Multiple Chronic Conditions Associated with Hip Fractures among Male. Journal of Patient Centered Research Review, 2018 3:168-9; 2016
- 18. **Basu R**, Zeber JE, Copeland LA and Stevens AB. Role of co-existence of multiple chronic conditions on the longitudinal decline in cognitive performance among older adults in the US, Journal of Gerontology and Geriatric Research, S4; doi:10.4172/2167-7182.S4-004, 2015
- 19. **Basu R**. Capsule Commentary on Binshu et al., Quantifying the Incremental and Aggregate Cost of Missed Workdays in Adults with Diabetes, Journal of General Internal Medicine; DOI: 10.1007/s11606-015-3468-2, 2015
- 20. Rosenman R. and **Basu R**. Tax Advantaged Savings for Healthcare: Good for your pocket book, bad for your health?" International Journal of Behavioural and Healthcare Research, vol. 5, No 1/2, pp. 41-51, 2015
- 21. Stevens AB, Hochhalter AK, **Basu R**., Smith ER, Throud JL. A model program of community-based supports for older adults at risk of nursing home placement, Journal of American Geriatric Society, 63(22):2601-2609; 2014
- 22. **Basu R**. Towne S, Ory MG, Smith ML., Hochhalter AK, and Ahn S. Cost Effectiveness of the Chronic Disease Self-Management Program: Implications for Community-Based Organizations," Frontiers in Public Health, April 27;3:27; 2015
- 23. Widmer A, **Basu R**., and Hochhalter AK. The Association Between Office-based Provider Visits and Emergency Department Utilization Among Medicaid Beneficiaries, Journal of Community Health vol. 39 (6), December, 2014
- 24. **Basu R**. Impact of Education and Income on Cognitive Functioning among Middle-Aged and Elderly Indians: Evidence from the Study on Global Ageing, WHO South East Asia Journal of Public Health, vol.3-4, pp. 156-164, 2014
- 25. **Basu R**. Socioeconomic Status and Trajectory of Chronic Health Problems: Analysis of a Longitudinal Count Regression Model, International Journal of Applied Economics, vol.12, no.1, pp. 80-97, 2014
- 26. **Basu R.** and Rosenman R. Altruism and Informal Care for Dementia, International Journal of Social Science Studies, vol.1, pp.70-82, 2014
- 27. Hochhalter AK, Basu R, Prasla K, Jo C. Retrospective cohort study of medication adherence and risk for 30-day hospital readmission in a Medicare Cost Plan. Manag Care. 2014 Jan;23(1):43-7. PMID: 24765750.
- 28. **Basu R**. Willingness to Pay to Prevent Alzheimer's disease: A Contingent Valuation Approach, International Journal of Healthcare Finance and Economics} vol. 13, no. 3, pp. 233-245, 2013
- 29. Ahn S., Basu R., Lee M., Louhua J., Lorig K., Whitelaw N., and Ory MG. The impact of

- chronic disease self-management programs: healthcare savings through a community-based intervention, BMC Public Health, vol. 13, pp.1141, 2013
- 30. **Basu R.**, Hochhalter AK., and Stevens AB. Effects of REACH II Intervention on Caregivers' Perceived Health, Journal of Applied Gerontology, DOI: 10.1177/0733464813499640, 2013
- 31. **Basu R**. Education and Dementia Risk: Results from the Aging Demographic and Memory Study," Research on Aging, vol. 35, no.1, pp.7-31, 2013

UNDER REVIEW

- 1. **Basu R**. and Luo H. Financial Hardships during COVID-19 Pandemic and Health Outcomes: Role of Race/Ethnicity (Under Review; *Health and Social Care in the Community*)
- 2. **Basu R.** and Roberson D. Challenges and Opportunities of Recruiting Individuals with **Basu R**. and Makam AN. Did Blended Site Neutral Payment for Long-Term Care Hospitals Reduce Financial Incentives for Time Discharge? (*Revision Submitted, JAMA Health Forum*)

BOOK CHAPTERS

- 1."Basu R., Health and Economic Consequences of Aging in US," Recent Advances in Geriatric Medicine, Ch 2(2): 7-23, 2016
- 2. "Dasgupta N., Chen, Y., **Basu R.**, and Daoud S. An Application of Unsupervised Learning Methods to Proteomic Data from Colon Cancer," *Contemporary Topics in Mathematics and Statistics with Applications, Asian Books*, Ch 9(1):170-184, 2013

PRESENTATIONS

- 1. Functional Outcomes in Home Health Stay for People with Dementia: Intersectionality of Gender and Race; Gerontological Society of America (2024); November 13-16, Seattle, WA
- 2. Functional Outcomes in Home Health Stay Among Traditional Medicare and Medicare Advantage Beneficiaries with Dementia; Gerontological Society of America (2024); November 13-16, Seattle, WA
- 3. Did Site-Neutral Payment Policy Incentivize Long-Term Care Hospital for Time Discharge? Annual Research Meeting, 2024 AcademyHealth Conference
- 4. Challenges of Identifying Beneficiaries with Alzheimer's Disease and Related Dementia in Medicare Advantage Who Used Postacute Care; NIA ADRD Workshop, Duke University; March 11, 2024
- 5. Improving Health and Well-being of People with Alzheimer's Disease and Related Dementias and their Family Caregivers in Eastern North Carolina-A Mixed Method Approach, ADRC Fall Conference, San Diego, October 2022
- 6. Discharge Patterns of Long-Term Care Hospitals and Medicare Payment Changes: Does Facility Ownership Matter? AcademyHealth Annual Meeting, Seattle, June 24-28th, 2023
- 7. Medicare Advantage (MA) Plan Characteristics on Physical and Mental Health Outcomes of MA beneficiaries, Gerontological Society of America, November 8-12, 2023*
- 8. Unmet Needs for Long-term care Services and Supports among People with ADRD, Hopkins HEADS Summer Workshop; Baltimore, June, 4-6, 2023

- 9. Health Outcomes and Financial Hardships During COVID-19 Pandemic: Does Race/Ethnicity Matter, North Carolina Public Health Association, September 2022
- 10. Medicare Reimbursement Policies for Long-term Care Hospitals, American Society for Health Economists Conference, June, 2022
- 11. Dental use and financial burdens among Medicare beneficiaries with Type 2 diabetes. Poster presentation at the 2022 APHA Annual Conference, Nov 5-10, Boston, MA*
- 12. Collecting Positive Outcomes from People with Dementia and their Caregivers-Promoting Person-Centered Dementia Care (Invited talk), March 2022
- 13. Life course Perspective of Aging: Psychosocial Well-being among Older Adults. Eastern Area Health Education Center, North Carolina, 2022
- 14. Are Nursing Homes with Better Quality Measures Safer among the COVID-19 Pandemic? Evidence from North Carolina Nursing Facilities; Southern Economic Association, November 2021*
- 15. Living Arrangement and Life Satisfaction Among Older Adults: Evidence from Health and Retirement Study, Gerontological Society of America, November 2021
- 16. Out-Of-Pocket Expenditure for Medicare Fee-For-Service Beneficiaries: Role of Big Four Chronic Conditions; American Society for Health Economists Conference, 2021
- 17. Quality of informal caregiving, maintaining care recipient health status and out-of-pocket health care costs: Evidence from the aging demographic and memory study. APHA 2020
- 18. Long-Term Care Market Trend and Patterns of Informal Caregiving, ASHEcon conference 2020
- 19. Medicaid Expansion and Access to Primary Care and Preventive Screening. Association for Teaching Prevention and Research, 2020*
- 20. Impact of Medicaid Expansion on Health and well-being, Association for Teaching Prevention and Research 2020*
- 21. Financial Sophistication and Long-term Care Insurance Purchasing Decision, American Society for Health Economists Conference, June 23-26, 2019
- 22. Relative Impacts of Informal and Formal Care on Health Outcomes for People with Dementia, Podium Presentation at American Society for Health Economists Conference, June 10-13, 2018
- 23. Lapse of Long-term Care Insurance and Future Care Utilization, Poster Presentation at ASSA Annual Meeting, Chicago, January 5-7, 2017
- 24. Lapse of Long-term Care Insurance and Risk of Nursing Home Use, Podium Presentation at 86th Annual Meeting, Southern Economic Association Conference, Washington D.C., November 19-21, 2016
- 25. Lapse of Long-term Care Coverage in U.S. 6th Biennial Conference of the American Society for Health Economists, Philadelphia, June 12-15, 2016
- 26. Switching in Part-D Prescription Plan: Plan level vs. Brand Name Drug Switching, 20th Annual Meeting ISPOR, Philadelphia, May 16-20, 2015
- 27. Dementia caregiving and long-term care insurance purchasing decisions, Department of Economics, Baylor University, Waco, TX, October 2014
- 28. Health insurance and retirement decision: evidence from the Health and Retirement Study, 5th Biennial Conference of American Society for Health Economists, Los Angeles, June 22-25, 2014

- 29. Trajectory of healthcare expenditures: role of healthy behavior changes, 5th Biennial Conference of American Society for Health Economists, Los Angeles, June 22-25, 2014
- 30. Financial literacy and long-term care insurance purchase decisions, AcademyHealth, Annual Research Meeting, San Diego, June 8-10, 2014
- 31. Early-life characteristics and adult cognitive functioning: results from the Health and Retirement Study, Podium Presentation, Gerontological Society of America Annual Conference, New Orleans, November 20-24, 2013
- 32. Health and economic impacts of family caregiving in India: results from the studyon global ageing, Podium Presentation, 141st American Public Health Association Annual Meeting, Boston, November 3-6, 2013
- 33. Role of multiple co-morbidity and longitudinal decline in cognitive function, Health Maintenance Research Organization Network conference, San Francisco, April 4-6, 2013
- 34. Socioeconomic status and onset versus progression of health problems: a life course perspective, Podium presentation, AcademyHealth, Annual Research Meeting, Orlando, June 24-26, 2012
- 35. Lifestyle and socioeconomic predictors of cognitive functioning in developing world:results from the population-based study from India, Podium presentation, 140th American Public Health Association, San Francisco, October 27- 31, 2012
- 36. Willingness to pay for Alzheimer's disease: a contingent valuation approach, 4th Biennial Conference of American Society for Health Economists, Minnesota, June 10-13, 2012
- 37. Relationship between informal and formal care utilized by individuals with cognitive impairments, Academy Health, Annual Research Meeting, Seattle, June 12-14, 2011
- 38. Informal and Formal care utilization for individuals with cognitive impairments, Allied Social Science Association Meeting, San Francisco, January 3-5, 2009
- 39. Healthy Lifestyle and Disease Prevention, Allied Social Science Association Meeting, New Orleans, January 4-6, 2008
- 40. Healthy Lifestyle and risk of dementia among older adults, East West International Graduate Student Conference, Hawaii, February 14-16, 2008

GRANTS

1. NIH/NIAID (R15)

Socioeconomic impacts of La Crosse encephalitis in Western North Carolina

Role: Co-I: \$414,370 (3-year); Stephanie Richards (PI)

Goal: Estimating social and economic impacts of La Crosse disease. The goal is to expose undergraduate students to research methods and skills to have a successful career in biomedical and public health sciences.

2. Hopkins' Economics of Alzheimer's Disease & Services (HEADS) Center-Pilot grant (NIA-P30AG066587)

Role: PI (\$25,000) 2024-2025

Goal: Implications for Patient-Driven Grouping Model and Home Health Use among People with Alzheimer's Disease and Related Dementias.

3. Duke-UNC Alzheimer's Disease Research Center-REC Scholar Award (NIA Award Number P30AG072958): *Role: PI (\$20,000)*2023-2025

Goal: Improving the Health and Well-being of People with Alzheimer's Disease and Related Dementias and their Family Caregivers in Eastern North Carolina through Mixed Method Research

3. Faculty Reassignment Award-Spring 2023-Spring 2024, ECU

Role: PI (\$5,000) 2023-2024

Goal: Effects of COVID-19 Pandemic on Informal Caregivers of Older Adults with Disabilities

4. Research and Creative Activity Award (CFAC), ECU

2020-2021

Role: Co-PI (\$10,000)

Goal: Impacts of a Music-based Intervention of Psychosocial Well-being of Informal Caregivers

Selected for the Award

1. NIH/NIAID (R15)

Socioeconomic impacts of La Crosse encephalitis in Western North Carolina (*Just-In-Time Information submitted to the NIH*)

Role: Co-I June 2023

Under Review

NIH/NIA (R03)

Long-term Care Services and Supports and Positive Well-being among People with Alzheimer's disease and Related Dementias (ADRD)

Role: PI June, 2024

SUBMITTED (NOT FUNDED)

1. NIH/NIA (R21)

Longitudinal Trajectory of Unmet Personal Care Needs among People with Alzheimer's Disease and Related Dementias (ADRD); *Role: PI*Nov. 2023

Goal: To identify the longitudinal trajectory of unmet personal care needs among people with ADRD; socioeconomic, health, and other factors impacting those trajectories of unmet needs

2. Team-based Care to Reduce Cardiovascular Risk in Rural Patients with Diabetes, Funded by AHA - American Heart Association. *Role: Co-I*March 2023

3. NIH/NIA (R21)

Long-term care services and support and Psychosocial well-being of people with dementia

Role: PI Nov. 2022

4. Brody Brother Endowment Fund, ECU, Role: PI

Oct. 2022

Assessing Feasibility and Acceptability of a Dyadic Music Therapy Intervention for People with Alzheimer's Disease and Related Dementias and their Family Caregivers in Eastern North Carolina.

5. Retirement Research Foundation (RRI); Role: PI

Oct. 2022

The effects of a dyadic versus caregiver targeted music therapy program on quality of life and emotional well-being of persons with dementia and their family caregivers

6. Hopkins' Economics of Alzheimer's Disease & Services (HEADS) Center-Pilot grant Dementia, Financial decision-making and housing Wealth

Role: PI February, 2021

7. NIH/NIA (R21)

Person-centered Long-term Care for People with Dementia

Role: PI Nov. 2021

8. Kate B. Reynolds Foundation

Impacts of Medicaid Managed Care on the Health and Well-being of Medicaid Beneficiaries in Eastern North Carolina

Role: PI February, 2021

9. Brody Brother Foundations

Impacts of Telehealth Services on Outcomes for People with Alzheimer's Disease and Related Dementias

Role: PI September, 2020

10. *NIH/NIA (R03)*

Relative Effectiveness of Informal and Formal Care for People with Alzheimer's Diseaseand Related Dementias

Role: PI June 2020

INVITED WORKSHOPS

2023 Summer Research Workshop: Hopkins Economics for Alzheimer's Disease Services (HEADS)

June 6-8, 2023
The Butler-Williams Scholar Program, NIA

June, 2012

TEACHING and ADVISING (2019-Present)

List of Courses Taught

Rashmita Basu

MPH-6810 (Fin.& Stra. Mgmt)-first 8-week (of 15 weeks)

PUBH-8752 Pub. Health & Aging-first 8-week

PUBH-8134 (Fin. Plang & Mgmt)

PUBH-8352 (Cost Effect & Quality Imprv.)

MPH 6800 (Health Pol & Politics)

MPH 6991-6992

PUBH 8684

Fall 2019-Fall 2023

Fall 2020

Sp. '20/Fall '22/Sp. '23

Fall '21/Sp. '22, 23 &24

Fall '20/Sp, '21/'22/'23

Summer '22/'23

DrPH Dissertation Committee/Comprehensive Exams

Chair (Christine Wanous)

Committee Member (Jaylene Wayne)

Committee Member (Breyana Davis)

Preparing/grading Comprehensive Exam

Summer 2022
Spring 2024

Summer 2020-

PUBH 8134 & PUBH 8352)

(Until 2022- the exam was offered 2 times per year)

ADVISING

MPH & DrPH- 33 students (currently) Fall 2019-

TTUHSC

HPHA-5314 (Hlth. Admin. Capstone)

HPHM-4302 (Health. Econ.)

HPHA 5312 (Hlth Econ. & Pol.)

HPHA-5309 (Res. Methods)

HPHA 4334 (Hlth Econ. & Pol.)

Fall 2018

Fall 2018

HONORS & AWARDS

Nobuo Maeda International Research Award, APHA

2012

James G. Zimmer New Investigator Award, APHA

2012

(Hon. Mention)

ACADEMIC SERVICE

Department of Public Health

1. IPAR Assessment LiaisonFall 2020-Sum 20212. Professional Paper CoordinatorSp. 2022-3. DrPH Admission CommitteeSp. 2020-4. HPAL Search Committee ChairSp. 2021-Sum 20225. Search Committee MemberSum 2022-Fall 20236. DPH Personal CommitteeFall 2023-

7. Curriculum Revision Comm. Fall 2023-

Rashmita Basu

Brody School of Medicine/ECU

1. Research/Creative Activities Committee	Fall 2023-
2. Vice Chair Diversity/Inclusion Committee	Fall 2023-
3. Brody Women Faculty Committee	Fall 2022-
4.Jean Mills Symposium Committee	Fall 2019

PROFESSIONAL ACTIVITIES

National/International Conferences

Session Chair

AcademyHealth Annual Meeting	2024
Gerontological Society of America	2021
American Society for Health Economist	2012

Journal Referee Activities (Ongoing)

- Medical Care
- American Journal of Geriatric Society
- Journal of Aging and Health
- Health Services Research
- Social Science & Medicine
- Western Journal of Nursing Research
- Nature-Human Behavior
- International Journal of Healthcare
- Risk Management and Healthcare Policy
- European Journal of Health Economics
- Economic Inquiry

Guest Editor

- Frontier in Public Health
- International Journal of Healthcare

External Reviewer

• Center For Disease Control (Special Emphasis Panel, RFA-DP-24-062[SIP24-008])

PROFESSIONAL MEMBERSHIP

AcademyHealth	2012-
Gerontological Society of America	2012-
American Society for Health Economists	2010-2022