

**NAZMI SARI**  
**CURRICULUM VITAE**  
**September 2024**

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Department of Economics  
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**RECENT POSITIONS & AFFILIATIONS**

Professor, University of Saskatchewan, Department of Economics, Saskatoon, July 2014 – present

Department Head, University of Saskatchewan, Department of Economics, Saskatoon, 2023-2024

Faculty Associate, Canadian Center for Health Economics, University of Toronto, March 2014 - present

**EDUCATION**

Ph.D., Economics, Boston University, Boston, MA, USA, September 2001

M.A., Economics, Northeastern University, Boston, MA, USA, June 1996

B.Sc. (Honors), Economics, Middle East Technical University, Ankara, Turkey, June 1992

**MAJOR RESEARCH FIELDS**

Health Economics, Health Services Research, Economic Evaluation Methods, Applied Econometrics,  
Quantitative Methods, Applied Microeconomics, Industrial Organization

**PREVIOUS ACADEMIC POSITIONS & AFFILIATIONS**

Adjunct Scientist, Saskatchewan Health Quality Council, Saskatoon, 2011 – 2018

Associate Professor, University of Saskatchewan, Department of Economics, Saskatoon, 2004 – 2014

Research Faculty, Saskatchewan Population Health & Evaluation Research Unit, Saskatoon, 2004–2015

Assistant Professor, Florida International University, Policy & Management, Miami, USA, 2001-2004

Research Assistant, Boston University, Department of Economics, Boston, USA, 2000- 2001

Instructor, Boston University, Department of Economics, Boston, USA, summer 1999

World Bank Intern, Eastern Europe & Central Asia Division, Washington D.C., USA, summer 1998

Teaching Assistant, Boston University, Department of Economics, Boston, USA, 1997- 2000

Instructor, Middle East Technical University, Dept of Public Admin., Ankara, Turkey, spring 1994  
Teaching Assistant, Middle East Technical University, Dept of Economics, Ankara, Turkey, 1992- 1994

### **HONORS, FELLOWSHIPS & PRIZES**

Advising Excellence Award, Graduate Student Association, University of Saskatchewan, March 2014

R.E. Olley Teaching Excellence Award in Economics, University of Saskatchewan, 2011-2012.

First prize in *Young Researchers in Health Economics Paper Competition*, International Health Economics Association, 3rd World Congress, York, United Kingdom, July 2001

Dissertation Fellowship, Centers for Medicare and Medicaid Services, Baltimore, USA, 2000- 2001

Policy Communication Fellowship, Population Reference Bureau, Washington DC, USA, 2000- 2001

Fellowship and Tuition Scholarship, Department of Economics, Boston University, USA, 1997- 2001

Student Research Award, Institute for Economic Development, Boston University, USA, spring 2001

Travel Award, Deans' Office, Boston University, College of Arts and Science, USA, spring 2001

Travel Award, Industry Studies Program, Boston University, USA, spring 2001

Graduate Fellowship, Turkish Ministry of Education, 1994 - 1997

### **PUBLICATIONS IN REFEREED JOURNALS**

Crockett K., S. Lovo, A. Irvine, C. Trask, S. Oosman, V. McKinney, T. McDonald, N. Sari, R. Martinez-Rueda, H. Aiyer, B. Carnegie, M. Custer, S. McIntosh, B. Bath. 2024. Healthcare provider perspectives on accessing healthcare for chronic low back pain across urban, rural, and remote settings. *Health Services Insights*. 17:1-9. <https://doi.org/10.1177/11786329241265861>

Lovo S., B. Imeah, N. Sari, M. E O'Connell, S. Milosavljevic, A. Angarita-Fonseca, B. Bath. 2024. Effectiveness of an interprofessional assessment and management approach for people with chronic low back disorders delivered via virtual care: A randomized controlled trial pilot intervention *Digital Health*. <https://doi.org/10.1177/20552076241260569>

Crockett K., S. Lovo, A. Irvine, C. Trask, S. Oosman, V. McKinney, T. McDonald, N. Sari, R. Martinez-Rueda, H. Aiyer, B. Carnegie, M. Custer, S. McIntosh, B. Bath. 2024. Navigating chaos: Urban, Rural, and Remote Patient Experiences in Accessing Healthcare with Indigenous and Non-Indigenous Perspectives of Living with Chronic Low Back Pain. *Canadian Journal of Pain*, 8 (2): 2318706 <https://doi.org/10.1080/24740527.2024.2318706>

Crockett K., S. Lovo, A. Irvine, C. Trask, S. Oosman, V. McKinney, T. McDonald, N. Sari, B. Carnegie, M. Custer, S. McIntosh, B. Bath. 2023. Healthcare access challenges and facilitators for back pain across the rural-urban continuum in Saskatchewan: Cross-sectional results from a provincial-wide telephone survey. *Health Services Insights* 16:1-16. <https://doi.org/10.1177/11786329231193794>.

Crockett K., S. Lovo, A. Irvine, C. Trask, S. Oosman, V. McKinney, T. McDonald, N. Sari, B. Carnegie, M. Custer, S. McIntosh, B. Bath. 2022. Experiences of Health Care Access Challenges for Back Pain Care Across the Rural-Urban Continuum in Canada: Protocol for Cross-sectional Research. *JMIR Research Protocols* 11(12): p.e42484 (10 pages). <https://doi.org/10.2196/42484>

Sari N. 2022. The effects of sports and physical activity centers on participation in physical activity: An empirical study using Canadian data. *METU Studies in Development* 49(1): 119-147

Khaketla M., T. Carr, N. Dubuka, B. Quinn, B. Reeder, K. Sarker, A. Addae, A. Ali, G. Groot, N. Sari, J. Vanstone, C. Hartness, R. Zayed. 2022. Community and Public Health Responses to a COVID-19 Outbreak in North-west Saskatchewan: Challenges, Successes, and Lessons Learned. *International Journal of Indigenous Health* 17(1): 73-86. <https://doi.org/10.32799/ijih.v17i1.36703>

Yao Y., R. Nakamura, R., N. Sari. 2019. The educational gap in tar and nicotine content in purchases of cigarettes: An observational study using large-scale representative survey data from Japan. *Preventive Medicine* 129 (December):1-6. doi.10.1016/j.ypmed.2019.105828 (online appendix: 10 pages).

Sari N., B. Acan-Osman. 2018. The effect of body weight on employment among Canadian women: Evidence from Canadian data. *Canadian Journal of Public Health* 109(5-6): 873-881. doi.10.17269/s41997-018-0097-7

Rotter T., C. Plishka, A. Lawal, E.L. Harrison, N. Sari, D. Goodridge, R. Flynn, J. Chan, M. Fiander, B. Poksinska, K. Willoughby, L. Kinsman. 2018. What Is Lean Management in Health Care? Development of an Operational Definition for a Cochrane Systematic Review. *Evaluation & the Health Professions*. 1-25. doi.10.1177/0163278718756992.

Holt T., N. Sari, G. Hansen, M. Prodanuk, M. Bradshaw, V. McKinney, R. Johnson, I. Mendez. 2018. Remote presence robotic technology reduces need for pediatric inter facility transportation from an isolated northern community. *Telemedicine and e-Health* 24(11): 1-7. doi.org/10.1089/tmj.2017.0211.

Sari N., T. Rotter, D. Goodridge, L. Harrison, L. Kinsman. 2017. An economic analysis of a system wide Lean approach: cost estimations for the implementation of Lean in the Saskatchewan healthcare system for 2012–2014. *BMC Health Services Research* 17(1): Article 523, 10 pages (online appendix: 8 pages). doi.10.1186/s12913-017-2477-8

Fisher K, B.A. Reeder, E.L. Harrison, B.G. Bruner, N.L. Ashworth, P. Pahwa, N Sari, M.S. Sheppard, C.A. Shields, K.E. Chad. 2017. Comparing Class-based and Home-based Exercise for Older Adults with Chronic Health Conditions: 12-month Follow-up of a Randomized Clinical Trial. *Journal of Aging and Physical Activity*. 1-44. doi.org/10.1123/japa.2016-0285

Sari N., N. Muhajarine, A. Froehlich Chow. 2017. The Saskatchewan/New Brunswick Healthy Start-Départ Santé intervention: implementation cost estimates of a physical activity and healthy eating intervention in early learning centers. *BMC Health Services Research* 17(1): Article 57, 14 pages (online appendix: 3 pages). doi.10.1186/s12913-017-1978-9

Bath B., S. Lovo Grona, S. Milosavljevic, N. Sari, B. Imeah, M. O'Connell. 2016. Advancing Interprofessional Primary Health Care Services in Rural Settings for People with Chronic Low Back Disorders: Protocol of a Community-Based Randomized Controlled Trial. *JMIR Research Protocols* 5(4): 9 pages. doi:10.2196/resprot.5914

- Sari N., and M. Osman. 2015. The effects of patient education programs on medication use among asthma and COPD patients: a propensity score matching with a difference-in-difference regression approach. *BMC Health Services Research* 15(1): Article 332, 9 pages (online appendix: 28 pages).
- Lechner M., and N. Sari. 2015. Labor market effects of sports and exercise: Evidence from Canadian panel data. *Labor Economics* 35: 1-15 (online appendix: 14 pages)
- Fisher K., E. Harrison, B. Reeder, N. Sari and KE. Chad. 2015. Is self-reported physical activity participation associated with lower health services utilization among older adults? Cross-sectional evidence from the Canadian Community Health Survey. *Journal of Aging Research* 501. Article ID 425354, 14 pages <http://dx.doi.org/10.1155/2015/425354>
- Lawal AK, T. Rotter, L. Kinsman, N. Sari, L. Harrison, C. Jeffery, M. Kutz, MF Khan, R. Flynn. 2014. Lean management in health care: definition, concepts, methodology and effects reported (systematic review protocol). *Systematic Reviews* 19(3): Article 103. doi: 10.1186/2046-4053-3-103
- Kinsman L., T. Rotter, K. Stevenson, B. Bath, D. Goodridge, L. Harrison, R. Dobson, N. Sari, C. Jeffery, C. Bourassa, G. Westhorp. 2014. The largest Lean transformation in the world: the implementation and evaluation of Lean in Saskatchewan. *Health Care Quarterly* 17(2):29-32
- Sari N., 2014. Sports, exercise and length of stay in hospitals: Is there a differential effect for chronically ill people? *Contemporary Economic Policy* 32(2):247-260
- Sari N., 2013. On anti-smoking regulations and tobacco consumption. *Journal of Socio-Economics* 43:60-67
- Sari N., 2011. "Exercise, physical activity and healthcare utilization: A review of literature for older adults" *Maturitas* 70(3): 285-289.
- Sari N., 2010. A short walk a day shortens the hospital stay: Physical activity and the demand for hospital services for older adults. *Canadian Journal of Public Health* 101(5): 385-389.
- Sari N., 2009. Physical inactivity and its impact on healthcare utilization. *Health Economics* 18(8): 885-901
- Sari N., S. de Castro, F. Newman, and G. Mills. 2008. Should We Invest in Suicide Prevention Programs? *Journal of Socio-Economics* 37(1): 262-275.
- Johnson S., S. Abonyi, B. Jeffery, P. Hackett, M. Hampton, T. McIntosh, D. Martz, N. Muhajarine, P. Petrucka, N. Sari, 2008. Recommendations for Action on the Social Determinants of Health: a Canadian Perspective. *Lancet* 372: 1690-1693.
- Sari N., 2007. A Discussion on Alternative Reimbursement Schemes and Healthcare Utilization in Turkey. *İktisat, İşletme ve Finans (Journal of Economy, Business and Finance)*, April 2007: 5-17 (in Turkish).
- de Castro S., F. Newman, G. Mills, and N. Sari, 2004. Economic Evaluation of Suicide Prevention Programs for Young Adults in Florida. *The Business Review, Cambridge*, December 2004, 3(1): 14-20.
- Sari N., 2004. Consumer Spending for Pharmaceuticals and Its Implications for Health Care Financing. *Eastern European Economics* 42 (1): 43-55.
- Sari N., 2003. Efficiency Outcomes of Market Concentration and Managed Care. *International Journal of Industrial Organization* 21(10): 1571-1589.

Sari N., 2002. Do Competition and Managed Care Improve Quality? *Health Economics* 11 (7): 571-584.

Sari N. and JC Langenbrunner, 2001. Consumer Out-of-Pocket Spending for Pharmaceuticals in Kazakhstan: Implications for Sectoral Reform. *Health Policy and Planning* 16(4): 428-434.

Sari N., JC Langenbrunner, and M. Lewis, 2000. Affording Out-of-Pocket Payments for Health Services: Evidence from Kazakhstan. *EuroHealth* 6 (Spring Special Issue): 37-39.

### **EDITED BOOKS**

Sari N. (Eds) 2014. *Smoking Restrictions, Risk Perceptions and Its Health and Environmental Impacts*. Hauppauge NY: Nova Science Publishers.

### **PUBLISHED BOOK CHAPTERS**

Sari, N., 2023. Empirical methods and methodological developments in economics of health and health behavior: A discussion of theory and applications, In: M. Altman (Eds.), *Handbook of Research Methods and Applications on Behavioural Economics*, Edward Elgar, Northampton, pp. 268-284.

Sari, N., 2021. Socio-Economic and Demographic Correlates of Sports Participation in Canada. In: H. Altman, M. Altman & B. Torgler (Eds.), *Behavioural Sports Economics: A Research Companion*, Abingdon, UK: Routledge (Taylor & Francis Group), pp. 328-344

Sari N., 2019. Risk Adjustment: Applications in Healthcare Markets. In: D. Gu, & M.E. Dupre (Eds.), *Encyclopedia of Gerontology and Population Aging*, Cham: Springer. doi.org/10.1007/978-3-319-69892-2.

Sari N., 2017. Time inconsistent preferences in intertemporal choices for physical activity & weight loss: Evidence from Canadian health surveys. In: M. Altman (Eds) *Handbook of Behavioral Economics and Smart Decision-Making: Rational Decision-Making within the Bounds of Reason*, Northampton: Edward Elgar, pp.449-463

Sari N., 2015. Contingent Valuation. In: M. Altman (Eds) *Real World Decision Making: An Encyclopedia of Behavioral Economics*. Santa Barbara: Praeger Publisher

Altinanahtar A., N. Sari. 2014. Anti-smoking policies and their effects on smoking prevalence and behavior: Lessons from OECD countries. In: N. Sari (Eds) *Smoking Restrictions, Risk Perceptions and Its Health and Environmental Impacts*, Hauppauge NY: Nova Science Publishers, pp. 3-21

Altinanahtar A., N. Sari. 2012. Determinants of Suicidal Ideation and Behavior, Economic Theories of Suicidal Behavior and the Economics of Prevention. In: J.E. Lavigne (Eds) *Frontiers in Suicide Risk: Research, Treatment and Prevention*. Hauppauge NY: Nova Science Publishers, pp.221-238

Sari N., 2011. Does physical exercise affect demand for hospital services? Evidence from Canadian panel data. In: PR. Guerrero, S. Kesenne, and BR. Humphreys (Eds) *The Economics of Sport, Health and Happiness: The Promotion of Well-being through Sporting Activities*. Northampton: Edward Elgar, pp. 81-100.

Sari N., 2008. Competition and Market Concentration. *Advances in Health Economics and Health Services Research* (Vol. 18, pp. 139-156), Amsterdam: Elsevier

Sari N., 2007. Reflections of DRG based Reimbursement Systems on Health Care Reforms. In: C. Aktan and U. Saran (Eds) *Sağlık Ekonomisi ve Sağlık Yönetimi (Health Economics and Health Management)*, Ankara: Sağlıkta Umut Vakfı Yayınları, pp. 361-379 (in Turkish).

### **PUBLICATIONS IN REFEREED CONFERENCES:**

Ahmed, S., Anderson, D., Chalchal, H. I., Dwernychuk, L., Gill, D., Gitlin, J., Hammond, A., Kanthan, R., Le, D., Lim, J., Rakheia, R., Sari, N., Vizeacoumar, F., Zaidi, A., & Moser, M. 2021. Conversion from unresectable to resectable liver metastases in real-world patients with liver-only metastatic colorectal cancer (mCRC) treated with FOLFOXIRI plus bevacizumab: The Conversion trial. *Journal of Clinical Oncology* 39: (3 Suppl.): 147-147. DOI: 10.1200/JCO.2021.39.3\_suppl.TPS147.

Ahmed, S., Ahmed, O., Anderson, D., Beck, D., Chalchal, H., Dwernychuk, L., Gitlin, J., Hammond, A., Iqbal, M., Lim, J., Pati, S., Sari, N., Shaw, J., Souied, O., Wall, C., Zaidi, A., Moser, M., 2021. Systemic therapy with a loco-regional treatment in patients with locally advanced pancreatic cancer: The SMART study. *Journal of Clinical Oncology* 39: (3 Suppl.): 445-445. DOI: 10.1200/JCO.2021.30.3\_suppl.TPS445

Bath, B., S. Lovo Grona, M. O'Connell, S. Milosavljevic, Sari, N. 2015. Bridging the Rural-Urban Health Care Access Gap for Chronic Back Disorders through Teams and Technology. CIHR Institute of Musculoskeletal Health and Arthritis Young Investigators Forum. Kananaskis, AB. Oct 21-23, 2015.

Hergott, C., Demchenko, D., Fenton, M., Sari, N., Marciniuk, D., & Cockcroft, D. 2014. Evaluation of Telehealth for the Assessment and Follow-up of Lung Cancer Patients From Rural Saskatchewan. *Chest*, 145(3 Suppl), 197A-197A.

Fisher, K., Chad, K., Harrison, L., Reeder, B., Sari, N. 2013. Obesity and the Use of Hospital Services Among Older Canadians, *Canadian Journal of Diabetes*. 37(Supplement 2 – April 2013):S248

Sari N., et al., 2005. Economic Contribution of Physical Activity to the Canadian Healthcare System, *Canadian Association for Health Services and Policy Research Conference Proceeding*, September 2005.

### **PUBLICATIONS IN NON-REFEREED OUTLETS/JOURNALS**

Sari N., 2018. A physical activity and healthy eating intervention (Healthy Start-Départ Santé) implemented in early learning centers in Saskatchewan and New Brunswick, Canada: A summary of the findings and future directions of the project. *November 2018 International Health Economics Association (iHEA) Newsletter*, pp. 9-11

Sari N., 2009. The Impact of Physical Inactivity on Canadian Health Care. *Alberta Center for Active Living Research Update* 16(3): 3-4.

### **PUBLISHED BOOK REVIEWS**

Sari, N., 2010. Review of the book “The Fattening of America, by Finkelstein and Zuckerman. Wiley Press”, *Review of Social Economy* 68(4): 496-498.

Sari, N., 2009. Review of the book “Targeting in Social Programs: Avoiding Bad Bets, Removing Bad Apples, by P.H. Schuck and R.J. Zeckhauser. Washington, D.C., Brookings Institution Press”, *Review of Social Economy* 67(1): 117-119

## **SELECTED REPORTS**

Sari N. A. Addae, T. Carr, G. Groot, C. Hartness, J. Vanstone. 2021. A Guideline for Economic Evaluations in Health Services Research: An Application for the COVID-19 Outbreak in Northern Saskatchewan. *Final Report to the Saskatchewan Health Authority* (Project # 353196), Canada

Sari N., & M. Lechner. 2015. Long-run health effects of sports and exercise in Canada. *CCHE/CCES Working Paper No. 150018*. Toronto, ON: Canadian Centre for Health Economics

Rotter T., L. Kinsman, B. Bath, D. Goodridge, L. Harrison, R. Dobson, N. Sari, C. Jeffery, L. Adegboyega, M. Kutz, C. Bourassa, G. Westhorp. 2015. A First Phase Evaluation of Saskatchewan's Lean Health Care Transformation: Final report. *Saskatchewan Health Quality Council (HQC)*, Saskatoon.

G DeSantis T Todd, P Hackett, J Daschuk, T McIntosh, N. Sari, J. Bascu. 2014. Saskatchewan voluntary sector early work on the determinants of health 1905-1950: Some unsettling questions inspired by history. Saskatoon: Saskatchewan Population Health and Evaluation Research Unit.

Hackett P., J. Bascu, N. Sari, G. DeSantis, J. Daschuk, T. McIntosh, P. Petrucka. 2012. Watrous healthcare: A journey through time. Saskatoon: Saskatchewan Population Health and Evaluation Research Unit

Todd T., J. Daschuk., G. DeSantis, P. Hackett, J. Bascu, T. McIntosh, N. Sari. 2012. Lebert healthcare: A journey through time. Saskatoon: Saskatchewan Population Health and Evaluation Research Unit

## **RESEARCH GRANT & SUPPORT**

City of Saskatoon/USASK Research Junction Development Grant. "An Economic Analysis of housing stability policies for underrepresented and vulnerable populations in Saskatoon". Total fund: \$30,000 CND, 2023/09 – 2025/05. my role: Principal investigator.

Saskatchewan Health Authority, "Economic Analysis of Clinical Quality Improvement Program: A Methodological Application in the Context of COVID-19 Acute Care Pathways". Total fund: \$50,000 CND, 2020/10 – 2021/09. my role: Principal investigator.

Saskatchewan Cancer Agency, Operating Grant, "Systemic Therapy with a Loco-regional Treatment in patients with Locally Advanced Pancreatic Cancer: The SMART Study". Total fund: \$199,570 CND, 2020-2022, my role: Co-applicant

Canadian Institutes of Health Research, Patient-Oriented Research Catalyst Grant. (Principal Investigator: B. Bath). "Mobilizing Rural, Remote and Urban Patient Perspectives to Enhance Access to Chronic Back Pain Care". Total fund: \$99,993 CND, 2020/02 – 2021/01. my role: Co-applicant.

Canadian Institutes of Health Research, Project Grant. (Principal Investigator: S. Ahmed). "Conversion From Unresectable To Resectable Liver Metastases In Patients With Liver-Only Metastatic Colorectal Cancer Treated With FOLFOXIRI Plus Bevacizumab. The Conversion Trial". Total fund: \$100,000 CND, 2019-2022. my role: Co-applicant

Saskatchewan Health Research Foundation, Sprout Grant. (Principal Investigator: B. Bath). "A Community-Informed Team and Technology Approach to Chronic Back Pain Management in

Partnership with a Northern Saskatchewan Cree First Nation” Total fund: \$179,871 CAD, 2019-2021. my role: Co-applicant

Social Sciences & Humanities Research Council of Canada. Partnership Letter of Intent Grant. (Principle Investigator: H. Vatanparast). “Towards international refugee food security solutions” Total fund: \$19,972 CAD 2017-2018. my role: Co-applicant

University of Saskatchewan Office of the Vice-President Research, Internationalization Professional Development Travel Funding (w/ \$1500 CAD matching from the Department of Economics). Total fund: \$3900 CAD, 2018-2019.

University of Saskatchewan, College of Arts & Science Graduate Research Fellowship Shared-cost Program. Total fund: \$8000 CAD, 2018-2019

Public Health Agency of Canada & Community Initiative Fund, (Principle Investigator: A. Leis). “Saskatchewan/New Brunswick Healthy Start/Départ Santé Intervention: Phase 3”. Total fund: \$2,166,800 CAD, 2017-2020. my role: Co-applicant & lead for economic evaluations.

Canadian Institutes of Health Research, (Principle Investigator: L. Gauvin). “Multisectoral Urban Systems for health and Equity in Canadian cities”. Total fund: \$2,000,000 CAD, 2017-2022. my role: Co-applicant.

International Development Research Center, (Principle Investigator: R. Siemens). “Implementation Phase - Strengthening Community to Health Facility Care Continuum in Marrere, Mozambique”. Total fund: \$843,040 CAD, 2017-2021, my role: Co-applicant.

Public Health Agency of Canada, (Principle Investigator: N. Sari). “A Social Return on Investment Analysis of the Saskatchewan/New Brunswick Healthy Start/Départ Santé Intervention”. \$39,600 CAD, 2015-2017.

Canadian Institutes of Health Research, “Saskatchewan Center for Patient Oriented Research (SCPOR)”. Total fund: \$68,778,440 CAD. 2016-2021. my role: Co-applicant & methodologist.

University of Saskatchewan Office of the Vice-President Research. Publication fund \$1000 CAD, 2016-2017.

Ralston Brothers Medical Research Fund (Principal Investigator: B. Bath). “Advancing primary health care services in rural Saskatchewan communities for people with chronic low back disorders: Enhancement of an interprofessional Telehealth-delivered assessment with in-person physiotherapy treatment”. Total fund: \$29,995 CAD, 2014-2015, my role: Co-applicant

Saskatchewan Health Quality Council (contract), (Principal Investigator: T. Rotter) “Saskatchewan’s Lean Health Care Implementation: Planning Phase” Total fund: \$ 198,375 CAD, May 2013-December 2013, my role: Co-applicant

Establishment Grant, Saskatchewan Health Research Foundation, (Principal Investigator: B. Bath) “Advancing interprofessional primary health care services in rural settings: Evaluation of an e-health physiotherapy intervention for people with chronic low back disorders” Total fund: \$ 119,934 CAD, June 2013-May 2016, my role: Co-applicant

Establishment Grant, Saskatchewan Health Research Foundation, (Principal Investigator: C.A. Hergott) “Evaluation of Telehealth for the Assessment and Follow-up of Lung Cancer Patients from Rural Saskatchewan”, Total fund: \$ 119,957 CAD, June 2012-May 2015, my role: Co-applicant



Royal University Hospital Foundation Grant, University of Saskatchewan, (Principal Investigator: A. Wu) “A Prospective Comparison of Outcome in Patients Undergoing Surgery for Low Back and Leg Pain between Patients referred first to a Clinical Spine Pathway Triage Clinic and Patients referred directly to a Spine Surgeon”, Total fund: \$ 23,615 CND, May 2012-April 2015, my role: Co-applicant

Natural Sciences and Engineering Research Council of Canada, Collaborative Research and Development Grant, (Principal Investigators: WJ Zhang and N. Sari) “Human-Centered Production Systems: design and management”, Total fund: \$53,314 CND, June 2011-June 2013.

Saskatchewan Health Research Foundation, Phase Three Health Research Group Grant, (Principal Investigators: B. Jeffrey and N. Muhajarine) “Saskatchewan Population Health and Evaluation Research Unit Team Grant”, Total fund: \$750,000 CND, April 2011-March 2014, my role: Co-applicant

The Mathematics of Information Technology and Complex Systems, (Principal Investigator: N. Sari) “Do adequate access to Certified Respiratory Educators with spirometry in family physician offices create reduction in health care expenditures?” Total fund: \$15,000 CND, February 2011-June 2011

Canadian Institutes of Health Research, Partnerships for Health Systems Improvement Grant, (Principal Investigators: G.F. Teare and G.R. Baker) “Impact of Releasing Time to Care: The Productive Ward-Relationship of Outcomes and Context in a Nurse-led Health Care Improvement Innovation”, Total fund: \$500,000, June 2010 – June 2013, my role: Co-applicant

Tri-Council Bridge Funding, University of Saskatchewan, (Principal Investigator: N. Sari), “Participation in leisure-time physical activity and its implications for labor market outcomes”, Total fund: \$8,000. April 2010- March 2012, my role: Principle Investigator

Tri-Council Bridge Funding, University of Saskatchewan, (Principal Investigator: N. Sari), “Determinants of Physical Activity and Its Influence on Health Care Utilization in Canada” Total fund: \$6,000. April 2009- March 2011, my role: Principle Investigator

Saskatchewan Health Research Foundation, (Principal Investigators: B. Jeffrey and N. Muhajarine) “Saskatchewan Population Health and Evaluation Research Unit Team Grant”, Total fund: \$900,000 CND, April 2008-March 2011, my role: Co-applicant

The Mathematics of Information Technology and Complex Systems, (Principal Investigator: N. Sari) “Family Physician Work Force Projection in Saskatchewan”, Total fund: \$15,000 CND, February 2007-September 2007, my role: Principle Investigator

Canadian Institute for Health Information, Canadian Population Health Initiative (Principal Investigator: N. Muhajarine) "Early Childhood Intervention in the Community: makes sense, but does it really work?" Total fund: \$300,000 CND, December 2006 – December 2009, my role: Co-applicant

Saskatchewan Ministry of Education, (Principal Investigator: N. Muhajarine) “Services to develop an evaluation framework for the KidsFirst program”, Total fund: \$38,600 CND, December 2006 – March 2007, my role: Co-applicant

Canadian Institutes of Health Research, Funding through Saskatoon In-Motion Project (Principal Investigator: K. Chad), Total fund for the grant: \$703,450 CND, Total available fund for my sub project: \$15,000 CND, “Economic Implications of Physical Activity Programs”, June 2005 - May 2007, my role: Lead Researcher and team member

University of Saskatchewan, Office of the Vice-President Academic, Start -Up Funds, \$13,000 CND, October 2004 -November 2006 (Research support)

Center for REACH 2010 Program at Florida International University, Centers for Disease Control and Prevention's National Program on Racial and Ethnic Approaches to Community Health 2010 (Principal Investigator: B. Darrow), Total available fund for my sub-project: \$6,000 USD, "AIDS/HIV Risk Factors for Minorities in Broward County", Spring 2004, my role: Lead Researcher and team member

Florida International University Foundation, (Principal Investigator: N. Sari), "Quality Discrimination in Healthcare Markets", Total fund: \$5,000 USD, May 2003- December 2003.

Florida International University, College of Health and Urban Affairs, Start -Up Funds, \$5,000 USD, September 2001 (Research support)

Centers for Medicare and Medicaid Services (formerly known as Health Care Financing Administration) (Principal Investigator: N. Sari), "Quality and Efficiency Issues in the US Hospital Market", Total fund: \$30,000 USD, January 2000- October 2001.

## **INVITED TALKS & PRESENTATIONS**

Availability of sports and exercise facilities and their impact on participation in physical activity: An empirical analysis based on Canadian data. Canadian Centre for Health Economics, Health Economics Seminar Series, University of Toronto, Toronto, Canada, October 2022

How to improve efficiency & quality in competitive hospital markets: Lessons from implementation of Lean. Keynote speaker, International Conference on Public Health, Solo, Indonesia, October 2019

Introduction to economic evaluation methods in healthcare. Invited public lecture/workshop, International Conference on Public Health, Solo, Indonesia, October 2019

Physical activity and health outcomes: Evidence from Canadian population surveys. Research Center for Health Policy and Economics, Hitotsubashi University, Tokyo, Japan, February 2017.

What did it cost to implement Healthy Start? Healthy Start-Depart Sante Symposium. Saskatoon, Canada, January 2017.

Introduction to economic evaluation methods, Lurio University, Faculty of Health Sciences, Nampula, Mozambique, July 2016

Long-run health effects of sports and exercise, Department of Economics, University of Alicante, Alicante, Spain, December 2014

Long-run health effects of sports and exercise, Department of Economics, Yeditepe University, Istanbul, Turkey, July 2014

Physical activity & length of hospital stays: Is there a role for physical activity in chronic disease management, The Western Regional Training Centre for Health Services Research Seminar, University of Saskatchewan & Regina, Canada. October 2011

Does physical exercise affect demand for hospital services? Evidence from Canadian panel data, 5th Gijon Conference on Sport and the Promotion of Health and Well-being, Gijon, Spain. May 2010

Exercise, Aging & Healthcare Utilization, Department of Economics. University of Manitoba, Winnipeg, Canada. March 2008

Physician Work Force Projection in Saskatchewan, 3rd International Conference in Business Management and Economics, Izmir, Turkey. June 2007

External Costs of Physical Inactivity, University of Regina, Department of Economics, Regina, Canada. January 2007.

External Costs of Physical Inactivity, University of Calgary, Department of Economics, Calgary, Canada. December 2006.

Exercise? Maybe another time: The cost of sedentary lifestyles, 2nd International Conference in Business Management and Economics, Izmir, Turkey. June 2006.

Exercise? Maybe another time: The cost of sedentary lifestyles, Department of Economics, University of Manitoba, Winnipeg, Canada. March 2006.

An Overview of the American Healthcare System, Fourth International Seminar on Hospital Administration, Latin American and Caribbean Center at Florida International University, Miami, USA. October 2002.

## **CONFERENCE, SYMPOSIUM & SEMINAR PRESENTATIONS**

Potential Role of Local Bylaw Enforcement on Homelessness: Lessons Learned from Unintended Consequences of Bylaw Enforcement. European Health Economics Association Conference, Vienna, Austria, July 2024

Potential Role of Local Bylaw Enforcement on Homelessness: Lessons Learned from Unintended Consequences of Bylaw Enforcement. International Conference on Health Economics, Management and Policy, Athens, Greece, June 2024

Availability of sports and exercise facilities and their impact on participation in physical activity: An Empirical Analysis based on Canadian data, Eurasia Business and Economics Society (EBES) Conference, Istanbul, Turkey, July 2022

Implementation cost of a physical activity and healthy eating intervention at childcare setting: Lessons from Saskatchewan/New Brunswick Healthy Start/Depart Sante Intervention, Western Economic Association International Conference, Santiago, Chile, January 2017.

An economic analysis of a physical activity intervention at childcare centers, European Health Economics Association Conference, Hamburg, Germany, July 2016 (poster presentation)

Long-run health effects of sports and exercise, European Health Economics Association Conference, Hamburg, Germany, July 2016

Long-run health effects of sports and exercise in Canada, Joint Conference of the International Health Economics Association & the European Conference on Health Economics, Dublin, Ireland, July 2014

Proximity to sports & exercise facilities and decision to participate in physical activity, European Conference on Health Economics, Zurich, Switzerland, July 2012

Proximity to sports & exercise facilities and decision to participate in physical activity, American Society for Health Economics Conference, Minneapolis, USA, June 2012

Social Interactions and Participation in Leisure Time Physical Activity, International Health Economics Association Conference, Toronto, Canada, July 2011

Social Interactions and Participation in Leisure Time Physical Activity, Eurasia Business and Economics Society (EBES) Conference, Istanbul, Turkey, June 2011

Social Interactions and Participation in Leisure Time Physical Activity, European Conference on Health Economics, Helsinki, Finland, July 2010

Does physical exercise affect demand for hospital services? Evidence from Canadian panel data. 9<sup>th</sup> International Conference on Health Economics, Management and Policy, Athens, Greece. June 2010

Hospital stays associated with physical inactivity: Should we have age based targeting to promote activity? European Conference on Health Economics, Rome, Italy, July 2008

Exercise, Aging & Healthcare Utilization, Department of Economics, TOBB University of Economics and Technology, Ankara, Turkey, February 2008

Physical Inactivity and its Impact on Healthcare Utilization, Department of Economics, Middle East Technical University, Ankara, Turkey, November 2007

Physical Inactivity and its Impact on Healthcare Utilization, Canadian Public Health Association, Ottawa, Canada, September 2007

Economic Contributions of Physical Activity Programs to the Publicly Funded Healthcare System, International Health Economics Association, Copenhagen, Denmark, July 2007 (poster presentation).

Anti-smoking Policies and the Demand for Cigarettes: Do Social Norms Matter?, Congress of the Humanities and Social Sciences, Health and Public Policy Meeting, Saskatoon, Canada, May 2007.

Impacts of Institutional Structure on Smoking Prevention Policies, Southern Economic Association Meeting, Charleston, USA, November 2006.

External Costs of Physical Inactivity, 6<sup>th</sup> Annual Economics Research Symposium, University of Saskatchewan, Saskatoon, Canada, October 2006.

Exercise? Maybe another time: The cost of sedentary lifestyles, Inaugural Conference of the American Society for Health Economists, Madison, USA, June 2006.

A Discussion on Alternative Reimbursement Schemes and Healthcare Utilization in Turkey, 5<sup>th</sup> Annual Economics Research Symposium, University of Saskatchewan, Saskatoon, Canada, October 2005.

Economic Contribution of Physical Activity to the Canadian Healthcare System, Canadian Association for Health Services and Policy Research, Montreal, Canada, September 2005.

Economic Evaluations of Suicide Prevention Programs, Western Economic Association Meeting, San Francisco, USA, July 2005.

Impacts of Alternative Provider Reimbursement Schemes on Health Care Utilization, Department of Economics, Middle East Technical University, Ankara, Turkey, May 2005.

Efficiency Measures for Hospitals: Are they reliable? Hawaii International Conference on Social Sciences, Honolulu, Hawaii, USA, June 2004.

Quality Discrimination in Managed Care Health Plans, Eastern Economic Association Meeting, New York, USA, February 2003.

Efficiency Outcomes of Market Concentration and Managed Care”, Western Economic Association Meeting, Seattle, USA, July 2002.

Do Competition and Managed Care Improve Quality? International Health Economics Association Conference, York, United Kingdom, July 2001.

Consumer Out-of-Pocket Spending for Pharmaceuticals in Kazakhstan: Implications for Sectoral Reform, Population Association of America (Special Session organized by Population Reference Bureau, Policy Communication Program), Washington DC, USA, March 2001.

## **TEACHING & SUPERVISION EXPERIENCE**

### Graduate Courses:

University of Saskatchewan: Health Econ., Econ Evaluation Methods in Health, Econometrics II  
Florida International University: Quantitative Methods, Health Economics and Policy

### Undergraduate Courses:

University of Saskatchewan: Economics of Healthcare, Intermediate Microeconomic Theory  
Florida International University: Statistics, Research Methods  
Boston University: Principles of Economics  
Middle East Technical University: Introduction to Statistics

### Student Supervision:

Supervisor (2004-2024): 25 MA in economics  
Co-supervisor (2009-2021): 2 MA in economics & 1 MSc in biomedical engineering  
Committee member (2004-2024): 16 MA in economics & 1 PhD (kinesiology), 1 PhD (agricultural economics)

## **OTHER ACADEMIC & PROFESSIONAL ACTIVITIES**

### **Manuscript Reviewer & Editorial Contributions:**

American Journal of Public Health	Canadian Journal of Economics
American Journal of Preventive Medicine	Canadian Public Policy
Canadian Medical Association Journal	Contemporary Economic Policy
Economics of Education Review	Economic Inquiry
Economic Modelling	Economics Bulletin
Economics & Human Biology	British Medical Journal Open

Health Economics  
Health Policy & Planning  
İktisat, İşletme ve Finans  
International J of Industrial Organization  
Journal of Applied Econometrics  
Journal of Socio-Economics  
Journal of Behavioral Health  
Scandinavian Journal of Economics  
Social Indicators Research  
Applied Economics

Journal of Economic Behavior & Organization  
Health Services Research  
International Journal of Obesity  
Journal of Econ & Management Strategy  
Journal of Health Economics  
Journal of Sports Economics  
Southern Economic Journal  
Social Science & Medicine  
BMC Health Services Research

Co-Editor for Healthcare & Healthcare Financing Section, *Encyclopedia of Gerontology and Population Aging*, Springer Publication.

Editorial board member, BMC Health Services Research, 2023-present

### **External Reviewer:**

Promotion to Full Professor. University of Dalhousie, Canada, 2023.

Tenure/Promotion to Associate Professor, Rowan University, USA, 2022

Promotion to Full Professor. University of Manitoba, Canada, 2021.

Promotion to Full Professor. Western Ontario University, Canada, 2021.

Promotion to Associate Professor, Quaid-i-Azam University, Islamabad, Pakistan, 2019

External Grant Reviewer for Canadian Institute of Health Research, 2016-2017

Renewal/reappointment (3<sup>rd</sup> year review), Quaid-i-Azam University, Islamabad, Pakistan, 2016

Promotion to Associate Professor. Western Ontario University, Canada, 2014.

Renewal/reappointment (3<sup>rd</sup> year review). The City University of New York (CUNY), USA. 2011.

Promotion to Associate Professor. Thompson Rivers University, Canada, 2011.

Faculty Judge for the poster competition at the 16<sup>th</sup> Annual Life & Health Sciences Research Day, College of Medicine, University of Saskatchewan, March 2009.

External Grant Reviewer for Social Sciences and Humanities Research Council of Canada

**External Examiner for PhD/MA Theses Defense:**

PhD Dissertation external evaluator. School of Economics and Finance, Queensland University of Technology, Brisbane, Australia, May 2024

PhD Dissertation external evaluator. Department of Economics, Quaid-i-Azam University, Islamabad, Pakistan, December 2023

PhD Dissertation external evaluator. Department of Economics, Quaid-i-Azam University, Islamabad, Pakistan, February 2020

M.S. Defense. University of Saskatchewan, Community Health & Epidemiology, March 2014

PhD Defense. University of Calgary, Department of Community Health Sciences. May 2012

MSc Defense. University of Saskatchewan, School of Public Health, October 2012.

MSc Defense. University of Saskatchewan, Community Health & Epidemiology, October 2010.

MSc Defense. University of Saskatchewan, College of Pharmacy & Nutrition, November 2007.

MSc Defense. University of Saskatchewan, College of Pharmacy & Nutrition, August 2005.

**Textbook Reviews:**

*Health Economics* by J. Hurley, McGraw-Hill/Ryerson Publisher

*Macroeconomics* by DeLong/Mansoorian/Michelis, McGraw-Hill Publisher

*Health Economics in Canada*, Pearson Education Canada Press

**Activities Related to Professional Associations:**

Program Chair, iHEA Congress Scientific Committee, 2025 World Congress, International Health Economics Association (iHEA), Bali, Indonesia, 2024-25.

iHEA Scientific Committee Review Panel, 2023 World Congress, International Health Economics Association, Cape Town, South Africa

iHEA Scientific Committee Review Panel, 2019 World Congress, International Health Economics Association, Basel, Switzerland

iHEA Scientific Committee Review Panel, 2017 World Congress, International Health Economics Association, Boston, USA

Scientific Review Committee, Member, 2015 Conference of the Turkish Health Economics and Policy Association, Istanbul, Turkey

iHEA/ECHE Scientific Review Committee, Member, 2014 Joint Conference of the International Health Economics Association & European Conference on Health Economics, Dublin, Ireland

iHEA Scientific Review Committee, Member, 2013 International Health Economics Association, Sydney, Australia

International Congress on Interdisciplinary Business & Social Sciences (Jakarta, Indonesia) Technical Program Committee, Member, 2012

CHESG Scientific Review Committee, Member, 2012 Canadian Health Economics Study Group, Edmonton, Canada

ECHE Scientific Review Committee, Member, 2012 European Conference on Health Economics, Zurich, Switzerland

iHEA Scientific Review Committee, Member, 2011 International Health Economics Association, Toronto, Canada

Co-founder of Health and Public Policy Association (HPPA), 2006

Scientific Review Committee, Member, 2007 Health and Public Policy Association (HPPA), Saskatoon, Canada

ASHE Scientific Review Committee, Member, 2006 American Society for Health Economists (ASHE), Madison, USA

### **Conference, Symposium & Seminar Organizing Committee Membership:**

Health and Public Policy Meeting, Co-organizer, 2007 Congress of the Humanities and Social Sciences, Saskatoon, Canada, May 2007.

6<sup>th</sup> Annual Economics Research Symposium, Organizer, Department of Economics, University of Saskatchewan, Saskatoon, Canada, October 2006

Seminar Series in Economics, Chair, University of Saskatchewan, 2006-2007

Seminar Series in Economics Committee, Member, University of Saskatchewan, 2004-2005

Session Organizer, Session Chair & Discussant: International Health Economics Association, American Society for Health Economists, European Conference on Health Economics, Southern Economic Association, International Conference in Business Management and Economics Meetings,

## **CONTRIBUTIONS TO UNIVERSITY ADMINISTRATION**

### **University & College Committees:**

University President's Review Committee, Member, 2024-2025

College of Arts and Science Academic Programs Committee, Member, 2019-2021, 2023-2025

College of Arts and Science Committee of Department Heads, Member, 2023-2024

College of Arts & Science Search Committee (Associate Dean Student Affairs), member, 2022-2023

University Faculty Association, Joint Benefits Committee, Member, 2019-2021

College of Graduate & Postdoctoral Studies Council, Member, 2019-2022



University Promotions Appeal Committee, Member, 2019-2021  
University SSHRC College of Reviewers, Internal Reviewer, 2018-2019  
University Faculty Association, Members Development Committee, Member, 2018-2019  
University International Activities Committee, Member, 2017 - 2019  
College of Arts and Science College Review Committee, Member, 2015 - 2018  
College of Arts and Science Academic Programs Committee, Member, winter 2015.  
College of Arts and Science Sabbatical Review Committee, Member, 2012-2013.  
University Academic Support Committee, Member, 2009-2012  
College of Arts and Science IT Committee, Member, 2009-2010.  
College of Arts and Science Online C.V. Utility Development Committee, Member, 2009-2010.  
College of Arts and Science Social Science Research Committee, Member, 2008-2011  
Executive Committee for Master of Public Health Program, Member, 2006-2007.  
Community and Population Health Research Training Program, Mentor, 2004 – 2008.

### **Departmental Committees:**

Salary/Merit Review Committee, Chair, 2023-2024.  
Mentorship Committee, Member, 2013-2024  
Faculty Search Committee, Chair, 2023-2024  
Graduate Program Committee, Chair, 2020- 2021; 2022-2023  
Graduate Program Recruitment/Admission Committee, Chair, 2013 - 2021  
College Representatives for Engineering, Member, 2013-2021  
Graduate Program Committee, Member, 2005- 2021.  
Salary/Merit Review Committee, Member, 2011- 2013.  
Faculty Search Committee, Member, 2006-present.  
IT Committee for the Department, Chair, 2008-2009  
Fowke Award Committee, Chair, 2006; 2009.

### **Other Departmental Committees:**

Mentorship Committee, Department of Agricultural Economics, Member, 2019-present  
Peer Review Committee (teaching), Department of Agricultural Economics, 2022-2023  
PhD Comprehensive Exam Committee, Dept of Agricultural Econ (AREC), Member, 2021-2022  
PhD Comprehensive Exam Committee for Econometrics, Member, 2012-2013  
PhD Comprehensive Exam Committee for Health Policy, Member, 2006-2007

### **Previous Committee Work (Florida International University):**

Committee for the School of Public Health Initiative, Member, 2003-2004  
Faculty Hiring, Search & Screen Committee, Member, 2003-04.  
Curriculum Committee for Graduate Quantitative Courses, Member, 2003-04.

## **CONTRIBUTIONS TO PUBLIC & COMMUNITY SERVICE**

Media interviews on homelessness and housing affordability project at various media outlets (CBC Afternoon Edition, Global News, CJWW, CBC French Edition), November 2023

Health Services Research Advisory Panel, Member, Saskatchewan Health Research Foundation, 2012- 2014

Drug Advisory Committee of Saskatchewan, Member, Ministry of Health, 2010 – 2013