

Corneliu Bolbocean

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PROFESSIONAL EXPERIENCE

Visiting Assistant Professor, University of Tennessee Health Science Center	05/2018-present
Research Fellow, The Centre for Addiction and Mental Health	11/2018-present
Lead Health Economist, EPGEN Study, BC Children's Hospital	12/2014-12/2018
Visiting scientist, Centre for Applied Neurogenetics, UBC	03/2017-05/2018
Clinical Assistant Professor of Economics, Baylor University	08/2015-11/2018
Research Assistant, British Columbia Cancer Research Center	07/2011-02/2014
Consultant, World Bank	10/2007-05/2008
National Consultant, UNICEF	07/2007-05/2008

EDUCATION

Ph.D. Economics, Simon Fraser University Dissertation: <i>Early Life Environments and Long-Term Outcomes</i> Field: Econometrics, Applied Economics, Health Economics	May 2015
M.A. Economics, Simon Fraser University Thesis: <i>Visible minorities' educational choices in Canada</i> Concentration: Applied Econometrics, Labor Economics	December 2009
Master's in Public Policy & Management University of Southern Maine Concentration: Research Methods	May 2007
B.A. in Public Administration Alexandru Ioan Cuza University Iasi, Romania Dissertation: <i>Central Public Administration Reform in Moldova</i>	June 2003

Peer-Reviewed Publications:¹

1. The Impact of High Intensity Care around Birth on Long-Term Neurodevelopmental Outcomes. Accepted in *Health Economics Review*, June 25, 2020. Main Role: **Lead Author**.
<https://rdcu.be/b5wlq>

¹ Total Citations: 144; h-index: 7; i10-index: 7. Source: <https://scholar.google.com/>

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2. SETD1B-associated neurodevelopmental disorder. *Journal of Medical Genetics*. Main Role: Helped to design EPGEN study, data collection. <https://jmg.bmj.com/content/early/2020/06/26/jmedgenet-2019-106756>
3. Diagnostic Yield and Treatment Impact of Targeted Exome Sequencing in Early-onset Epilepsy. *Frontiers in Neurology*, Volume 10, 2019. Main Role: Designed and executed health economics analysis. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6536592/>.
4. Two Patients With KCNT1-Related Epilepsy Responding to Phenobarbital and Potassium Bromide, **Member of EPGEN Study**, *Journal of Clinical Neurology*, Volume 34(12), October 2019 <https://www.ncbi.nlm.nih.gov/pubmed/31208268>. Main Role: Helped to design EPGEN study, data collection.
5. Clinical, neuroradiological, and biochemical features of SLC35A2-CDG patients, **Member of EPGEN Study**, *Journal of Inherited Metabolic Disease*, Volume 42(3), <https://www.ncbi.nlm.nih.gov/pubmed/30746764>. Main Contribution: Helped to design EPGEN study, data collection.
6. U.S. Safety Net Programs and Early Life Skill Formation: Results from a Prospective Longitudinal Cohort Study, July 2018, *NBER Working Paper* No. 24832. <https://www.nber.org/papers/w24832>. Main Contribution: **Lead Author**.
7. A Comprehensive Inventory of Standards and Review of Wellbeing Indices and Current Comparative Measures. *Ecological Economics*, Volume 149, March 2018, <https://www.sciencedirect.com/science/article/pii/S0921800917304998> Main Contribution: Designed theoretical and econometric model.
8. De Novo Mutations in YWHAG Cause Early-Onset Epilepsy (Member of Epilepsy Genomic Study). *American Journal of Human Genetics*, 2017 Aug 3;101(2):300-310s <https://www.ncbi.nlm.nih.gov/pubmed/28777935> Main Contribution: Helped to design EPGEN study. Designed and executed health economics analysis.
9. Loss-of-Function and Gain-of-Function Mutations in KCNQ5 Cause Intellectual Disability or Epileptic Encephalopathy. *American Journal of Human Genetics*, 2017 Jul 6;101(1):65-74 <https://www.ncbi.nlm.nih.gov/pubmed/28669405> Main Contribution: Helped to design EPGEN study. Designed and executed health economics analysis.
10. Teaching Economic Evaluation with Population Health, Jan. 2017. *The Journal of Health Administration Education*. https://scholar.princeton.edu/sites/default/files/jcgreen/files/teaching_economic_evaluation_w.pdf Main Contribution: Provided insightful comments to improve the manuscript.
11. WIC participation is not associated with early childhood socioemotional development in a longitudinal cohort study. *Preventive Medicine Reports* 2016 Sep 7;4:507- [https://linkinghub.elsevier.com/retrieve/pii/S2211-3355\(16\)30110-3](https://linkinghub.elsevier.com/retrieve/pii/S2211-3355(16)30110-3) Main Contribution: Advised on empirical framework, and econometric analysis.

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12. Perinatal regionalization and implications for long-term health outcomes in Cerebral Palsy. *Canadian Journal of Neurological Sciences* 2016 Mar;43(2):248-53. <http://www.ncbi.nlm.nih.gov/pubmed/26790470> Main Contribution: **Lead Author**.
13. Economic impact of genomic sequencing to inform treatment decisions in Acute Myeloid Leukemia. *British Journal of Haematology*. 2016 Aug;174(4):526-35 <http://www.ncbi.nlm.nih.gov/pubmed/27098559> Main Contribution: Helped to design health economics evaluation, computed resource use and utility parameters, conducted systematic review related to model's parameters.
14. Outcomes in children with cerebral palsy: Does the level of neonatal care make a difference? Evidence from population based Cerebral Palsy registry. *International Journal of Developmental Neuroscience, Volume 47, Issue ISDN 2014 Abstracts, December 2015*. <https://onlinelibrary.wiley.com/doi/abs/10.1016/j.ijdevneu.2015.04.173> Main Contribution: **Lead Author**.
15. Resource utilization and costs during the initial years of lung cancer screening with computed tomography in Canada. *Journal of Thoracic Oncology*, 9 (10):1449-1458. <http://www.ncbi.nlm.nih.gov/pubmed/25105438> Main Contribution: Designed and implemented empirical analysis.
16. Cost-effectiveness of Rituximab in Follicular Lymphoma. *Expert Review of Pharmacoeconomics & Outcomes Research*, 12 (5): 569-77, <http://www.ncbi.nlm.nih.gov/pubmed/23140274> Main Contribution: Conducted literature review, wrote the draft, contributed to the design of the study.
17. Response to 'Marginal Costs of Hospital-Acquired Conditions: Information for Priority-Setting for Patient Safety Programmes and Research', *Journal of Health Services Research & Policy*, Volume 17, Issue 2. <http://journals.sagepub.com/doi/full/10.1258/jhsrp.2012.012007> Main Contribution: **Lead Author**.

R&R

1. WIC Program and Early-Life Language Development. *Journal: Feminist Economics*. Role: **Lead Author**.

Under Full Review:

2. The Impact of WIC Participation on Children's Diet Quality during the First Two Years of Life. *Journal: Forum for Health Economics & Policy*. Role: **Lead Author**.
3. Safety Net Programs and Skills Development during Childhood. *Journal: Food Policy*. Role: **Lead Author**.
4. Health-related quality of life in individuals with syndromic autism spectrum disorders. Role: **Lead Author**. <https://www.medrxiv.org/content/10.1101/2020.06.10.20127951v1>
5. Tailored Versus Generic Knowledge Brokering to Integrate Mood Management into Smoking Cessation Interventions in Primary Care Settings. *Journal: Implementation Science*. Role: Designed and executed health economic analysis of the study.

Work in Progress (Lead Author Only):

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1. Impact of Hospital Transfers on Healthcare Spending within the Single-Payer Healthcare System. Evidence from Patients with Traumatic Brain Injury.
2. The Effect of Maternal Mental Health on Neurocognitive Development during the First Two Years of Life.
3. Quality of Life in Individuals with Syndromic Autism Spectrum Disorders during COVID-19.

Book Chapters:

1. Health Economics Issues related to Adult Lumbar Scoliosis. Edited volume in *Adult Lumbar Scoliosis: A Clinical Guide to Diagnosis and Management*.
<https://www.springer.com/gp/book/9783319477077>

Published Conference Abstracts:

1. **Bolbocean C** “Quality of Life in Individuals with Syndromic Autism Spectrum Disorders”, *Annals of Neurology*, Vol. 86, pp. S162-S163, Issue 23, 48th Annual Meeting of the Child Neurology Society, 2019.
2. **Bolbocean C**, “Useful Elements of Geometry in Applied Research”, Canadian Centre for Health Economics, University of Toronto, March 8, 2019.
3. **Bolbocean C**, Bush NR, Tylavsky FA, LeWinn KZ. Nutrition assistance programs and Early Skills Formation: Evidence from a Community Based Large Pregnant Cohort. *Pediatric Academic Societies Annual meeting*, Baltimore 2016.
4. **Bolbocean C**, Wintermark P, Shevell M, Oskoui M. Perinatal regionalization and impact on long-term health outcomes (2014). *Development, Functions and Disorders of the Nervous System*, Montreal, Canada. *International Journal of Developmental Neuroscience*, December 2014 edition.
5. **Bolbocean C**, Shevell M, Oskoui M (2014). Outcomes in children with cerebral palsy: Does the level of neonatal care make a difference? Evidence from population based Cerebral Palsy registry. *Proceedings of 2014 Pediatric Academic Societies Annual meeting*. Vancouver, Canada.
6. **Bolbocean C**, Shevell M, Oskoui M (2013). Does the level of obstetrical care influence the ambulatory status of children with Cerebral Palsy? *Proceedings of Annual NeuroDevNet Brain Development Conference*. Vancouver, Canada.
7. **Bolbocean C**, Johnson K., Peacock S (2012). The cost-effectiveness of Rituximab in advanced Follicular Lymphoma. *Proceedings of Canadian Centre for Applied Research in Cancer Control*. Montreal, Canada.
8. Cressman S, **Bolbocean C**, Hogge D, Harsan A, Peacock S (2011). An encompassing model of Acute Myeloid Leukemia for assessing the cost-effectiveness of personalized genetic tests. *Proceedings of Canadian Cancer Research Conference*. Toronto, Canada.

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HONORS AND AWARDS

Date	Name of Award	Value
2018-2020	Ontario Neurotrauma Foundation	\$85,000
2012-2015	Networks of Centres of Excellence (NCE) - NeuroDevNet Doctoral Fellowship	\$22,000
2010, 2011, 2014	Open Society Foundations Research Grant	\$15,000
2012	Canadian Agency for Drug and Technology Travel Award	\$1,500
2010, 2014	Dean of Graduate Studies Graduate Fellowship Award	\$13,000
Date	Name of Award	Value
2009	2009 Best Student Paper, Paul Tai Yip Ng Memorial Award	\$1,200
2008	Full fellowship to pursue PhD in Economics at Central European University (<i>Declined</i>)	€30,000
2007	Careers for Alumni in Public Service Program, International Research & Exchange Board	\$4,300
2007	Soros Foundation, Academic Fellowship Program	\$7,500
2007	HESP Regional Seminar for Excellence in Teaching (<i>Declined</i>)	\$5,000
2005	US Department of State, Edmund S. Muskie Graduate Fellowship Program	\$80,000
2004	“Democracy and Diversity” Institute, Krakow, Poland. Open Society Institute	\$3,000
1999	Romanian Government full scholarship to pursue B.A. in Public Administration and Economics	\$12,000

CONFERENCES AND INVITED PRESENTATIONS

1. **Bolbocean C** “The Impact of WIC Participation on Children's Diet Quality during the First Two Years of Life.”. Speaker at 2020 Association for Public Policy Analysis & Management International Conference. Panel “Policy Interventions to Equalize Opportunity”.
2. **Bolbocean C** “WIC Impact of Dietary Choices during Pregnancy and Early Age”. AcademyHealth 2020.
3. **Bolbocean C**, “The Impact of the Women, Infants and Children (WIC) Program on Early-Life Language Development” Canadian Centre for Health Economics, University of Toronto, February 14, 2020.
4. **Bolbocean C**. “Useful Elements of Geometry in Applied Research”, Dala Lana School of Public Health, CCHE Seminar Series, March 8th, 2019.

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5. **Bolbocean C.** *U.S Safety Net Programs and Early Skills Formation: Evidence from a Community-Based Large Pregnant Cohort Study*, Lahore University of Management Sciences, February 6th, 2019.
6. **Bolbocean C.** *U.S Safety Net Programs and Early Skills Formation: Evidence from a Community-Based Large Pregnant Cohort Study*, STATA Empirical Micro Conference, September 7, 2018, Waco, TX.
7. **Bolbocean C.** *Nutrition Assistance Programs and Early Skills Formation: Evidence from a Community-Based Large Pregnant Cohort*, Simon Fraser University Vancouver, BC, Canada, September 6, 2017.
8. **Bolbocean C.** *Nutrition Assistance Programs and Early Skills Formation: Evidence from a Community-Based Large Pregnant Cohort*, Baylor University, August 25, 2017.
9. **Bolbocean C**, Waters TM, Tylavsky FA. *Nutrition Assistance Programs and Early Skills Formation: Evidence from a Community-Based Large Pregnant Cohort*, Simon Fraser University Vancouver, BC, Canada, October 15, 2014.
10. **Bolbocean C**, Waters TM, Tylavsky FA. *Food Assistance Programs and Early Skills Formation*, The University of Tennessee Health Science Centre, Memphis, TN, September 4, 2014.
11. **Bolbocean C**, Shevell M, Oskoui M. *Perinatal regionalization and implications for long-term health outcomes in Cerebral Palsy*, The University of Tennessee Health Science Centre, Memphis, TN, September 3, 2014.
12. **Bolbocean C**, Wintermark P, Shevell M, Oskoui M. *Perinatal regionalization and impact on long-term health outcomes*. Development, Functions and Disorders of the Nervous System 2014, Montreal, July 19-24, 2014.
13. Discussant at the Canadian Health Economist's Study Group Victoria, BC May 26-27, 2014.
14. **Bolbocean C**, Shevell M, Oskoui M. *Outcomes in children with cerebral palsy: does the level of neonatal care make a difference? Evidence from population based Cerebral Palsy registry*. 2014 Pediatric Academic Societies Annual meeting. Vancouver, May 3-6, 2014.
15. **Bolbocean C**, Shevell M, Oskoui M. *Does the level of obstetrical care influence the ambulatory status of children with Cerebral Palsy?* Annual NeuroDevNet Brain Development Conference, Vancouver, British Columbia, September 29 - October 1, 2013.
16. **Bolbocean C**, Johnson K., Peacock S. *The cost-effectiveness of Rituximab in advanced Follicular Lymphoma*. 2012 Canadian Centre for Applied Research in Cancer Control, Montreal, Quebec, May 28, 2012.
17. Cressman S, **Bolbocean C**, Hogge D, Harsan A, Peacock S. *The cost-effectiveness model for assessing new personalized genomic tests*. 2012 Canadian Agency for Drugs and Technologies in Health Symposium "Evidence matters: Outcomes, Efficiency, Impact", Westin Ottawa. April 15-17, 2012.
18. Cressman S, **Bolbocean C**, Peacock S. *Assessing the cost-effectiveness of Acute Myeloid Leukemia personalized genetic tests*. Semiahmoo Resort, Blaine, Washington, USA. "Changing Environments and Population Health (US and Canada): Annual Symposium on Environmental, Occupational and Population Health" Conference. January 5-7, 2012.

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19. Cressman S, **Bolbocean C**, Hogge D, Harsan A, Peacock S. *An encompassing model of Acute Myeloid Leukemia for assessing the cost-effectiveness of personalized genetic tests*. Toronto, Ontario, Canada. Canadian Cancer Research Conference. November 27-30, 2011.

Skills and Expertise: Advanced knowledge of standard evaluation techniques and methods; Advanced quantitative and qualitative research skills; Survey and questionnaire design; Data collection and analysis; Business project evaluation and cost/benefit analysis; Strong mathematical, analytical and statistical skills; Fundraising and grant writing experience and excellent interpersonal skills.

Technical skills: R, MATLAB version 7.4 (TheMathworks, 2007); STATA version 15 (StataCorp, 2005); AnyLogic version 8.3 (2018), TreeAge Pro (TreeAge Software, 2007); SAS version 9.3 (SAS Institute Inc. 2001); SPSS (IBM SPSS Statistics 20.0, 2011).

Languages: English, French, Russian and Romanian (all fluent).