

STIRLING BRYAN

CONTACT INFORMATION

Centre for Clinical Epidemiology & Evaluation
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Expertise: health economics, economic evaluation, health technology assessment, health policy

Degrees

PhD **Health Economics.** Brunel University, UK
MSc **Health Economics.** University of York, UK
BSc Hon **Economics.** University of Salford, UK

Employment

2021-date **Chief Scientific Officer**, Michael Smith Health Research BC [seconded, 0.6 FTE]
2020-2021 **President**, BC Academic Health Science Network
2016-2020 **Scientific Director**, BC SUPPORT Unit, BC Academic Health Science Network
2008-2018 **Director**, Centre for Clinical Epidemiology & Evaluation, Vancouver Coastal Health Research Institute [**Senior Scientist**, 2018-date]
2008-date **Professor**, School of Population & Public Health, University of British Columbia
2005-2008 **Director**, Health Economics Unit, University of Birmingham
2002-2008 **Professor of Health Economics**, University of Birmingham
1998-2002 **Senior Lecturer**, University of Birmingham
1991-1997 **Research Fellow**, Health Economics Research Group, Brunel University
1988-1990 **Research Assistant**, Department of Public Health Medicine, United Medical & Dental Schools of Guy's and St Thomas' Hospitals

Selected Publications

1. Cost-effectiveness of pharmacogenomic-guided treatment for major depression. Ghanbarian S, Wong G, Bunka M, Edwards L, Cressman S, Conte T, Price M, Schuetz C, Riches L, Landry G, Erickson D, McGrail K, Peterson S, Vijh R, Hoens AM, Austin J, Bryan S. CMAJ. 2023 Nov 14;195(44):E1499-E1508. doi: 10.1503/cmaj.221785.
2. Adding epitope compatibility to deceased donor kidney allocation criteria: recommendations from a pan-Canadian online public deliberation. Edwards L, Bentley C, Burgess M, Sapir-Pichhadze R, Hartell D, Keown P, Bryan S. BMC Nephrol. 2023 Jun 9;24(1):165. doi: 10.1186/s12882-023-03224-z.
3. Health system use and outcomes of urgently triaged callers to a nurse-managed telephone service for provincial health information after initiation of supplemental virtual physician assessment: a descriptive study. Ho K, Abu-Laban RB, Stewart K, Duncan R, Scheuermeyer FX, Hedden L, Lauscher HN, Sundhu S, Chadha R, Christenson J, Grafstein E, Lavalley DC, Pursell R, Tallon

- JM, Wood N, Bryan S. *CMAJ Open*. 2023 May 23;11(3):E459-E465. doi: 10.9778/cmajo.20220196. Print 2023 May-Jun.
4. Public values and guiding principles for implementing epitope compatibility in kidney transplantation allocation criteria: results from a Canadian online public deliberation. Slomp C, Edwards L, Burgess M, Sapir-Pichhadze R, Keown P, Bryan S. *BMC Public Health*. 2023 May 10;23(1):844. doi: 10.1186/s12889-023-15790-w.
 5. Canada population norms for the EQ-5D-5L. Yan J, Xie S, Johnson JA, Pullenayegum E, Ohinmaa A, Bryan S, Xie F. *Eur J Health Econ*. 2023 Feb 24. doi: 10.1007/s10198-023-01570-1.
 6. Evaluating treatment outcomes in pharmacogenomic-guided care for major depression: A rapid review and meta-analysis. Bunka M, Wong G, Kim D, Edwards L, Austin J, Doyle-Waters MM, Gaedigk A, Bryan S. *Psychiatry Res*. 2023 Mar;321:115102. doi: 10.1016/j.psychres.2023.115102. Epub 2023 Feb 8.
 7. Pharmacogenomic Testing for Major Depression: A Qualitative Study of the Perceptions of People with Lived Experience and Professional Stakeholders. Slomp C, Morris E, Edwards L, Hoens AM, Landry G, Riches L, Ridgway L, Bryan S, Austin J. *Can J Psychiatry*. 2023 Jun;68(6):436-452. doi: 10.1177/07067437221140383. Epub 2022 Nov 28.
 8. A framework for action to improve patient and public involvement in health technology assessment. Silva AS, Facey K, Bryan S, Galato D. *Int J Technol Assess Health Care*. 2021 Dec 20;38(1):e8. doi: 10.1017/S0266462321000647.
 9. What matters to patients following total knee arthroplasty? A grounded theory of adapting to a knee replacement. Randall E, Bryan S, Black C, Goldsmith LJ. *BMC Musculoskelet Disord*. 2022 Sep 6;23(1):845. doi: 10.1186/s12891-022-05695-x.
 10. A Systematic Review of Kidney Transplantation Decision Modelling Studies. Yaghoubi M, Cressman S, Edwards L, Shechter S, Doyle-Waters MM, Keown P, Sapir-Pichhadze R, Bryan S. *Appl Health Econ Health Policy*. 2023 Jan;21(1):39-51. doi: 10.1007/s40258-022-00744-x. Epub 2022 Aug 9.
 11. Creating a provincial post COVID-19 interdisciplinary clinical care network as a learning health system during the pandemic: Integrating clinical care and research. Levin A, Malbeuf M, Hoens AM, Carlsten C, Ryerson CJ, Cau A, Bryan S, Robinson J, Tarling T, Shum J, Lavallee DC. *Learn Health Syst*. 2022 May 15;7(1):e10316. doi: 10.1002/lrh2.10316.
 12. Tools for the Economic Evaluation of Precision Medicine: A Scoping Review of Frameworks for Valuing Heterogeneity-Informed Decisions. Pataky RE, Bryan S, Sadatsafavi M, Peacock S, Regier DA. *Pharmacoeconomics*. 2022 Oct;40(10):931-941. doi: 10.1007/s40273-022-01176-0. Epub 2022 Jul 27.
 13. Collaborating with Patient Partners to Model Clinical Care Pathways in Major Depressive Disorder: The Benefits of Mixing Evidence and Lived Experience. Bunka M, Ghanbarian S, Riches L, Landry G, Edwards L, Hoens AM, Bryan S. *Pharmacoeconomics*. 2022 Oct;40(10):971-977. doi: 10.1007/s40273-022-01175-1. Epub 2022 Jul 25.
 14. Conceptualising 'Benefits Beyond Health' in the Context of the Quality-Adjusted Life-Year: A Critical Interpretive Synthesis. Engel L, Bryan S, Whitehurst DGT. *Pharmacoeconomics*. 2021 Dec;39(12):1383-1395. doi: 10.1007/s40273-021-01074-x. Epub 2021 Aug 23.
 15. An economic valuation technique identified different inpatient care experience as priorities for older Canadians than a traditional approach. Trenaman L, Bryan S, Cuthbertson L, Sawatzky R, Stacey D, Bansback N. *J Clin Epidemiol*. 2021 Nov;139:1-11. doi: 10.1016/j.jclinepi.2021.06.023. Epub 2021 Jun 26.

Current Research Funding

1. Mitton C, **Bryan S**. “Health Technology Assessment” Service Contract, BC Ministry of Health 04/2021 – 03/2024: \$620,000 per annum.
2. Keown P, **Bryan S**, Sapir-Pichhadze R, Caulfield T. “Applying Precision Medicine Technologies in Canada to Prevent Antibody Mediated Rejection and Premature Kidney Transplant Loss.” CIHR, Genome Canada. 01/2018 – 03/2024: \$10,000,000.
3. **Bryan S**, et al. “Strategy for Patient Oriented Research, BC SUPPORT Unit”. CIHR, BC Ministry of Health. 04/2021 – 03/2026: \$32,000,000.

Selected Honours & Awards

2005-2006	Commonwealth Fund Harkness Fellow, Center for Health Policy, Stanford University
2012-2020	Visiting Professor, Health Economics Research Unit, University of Aberdeen, UK
2014	CJG Mackenzie Prize for Excellence in Teaching, School of Population & Public Health, UBC
2019-date	Co-Editor, <i>Health Economics</i> (Wiley published journal)
2019	Anniversary Medal, Canadian Agency for Drugs & Technologies in Health
2021-date	Fellow, Canadian Academy of Health Sciences
2023-2025	President, Canadian Association for Health Services & Policy Research

TRAINEES to date: 33 (25 Ph.D., 8 M.Sc.)