

Select Publications 2018–2019

SUMMARY

The Institute of Health Economics (IHE) is an independent, not-for-profit organization with key competencies in health economics and decision analytic modelling, health technology assessment, and knowledge transfer/exchange. Our mission is to inform coordinated, innovative, evidence-guided health policy and practice.

Below is a list of select publications released in 2018–2019. To access to the publications below or for more information about the IHE, please visit www.ihe.ca or email info@ihe.ca.

PUBLICATIONS

[Association between strained ICU capacity and healthcare costs in Canada: A population-based cohort study](#) - February 28, 2019 | Dat Tran, Thanh Nguyen, Dawn Opgenorth, Xiaoming Wang, Danny Zuege, David A. Zygun, Henry T. Stelfox, Sean M. Bagshaw - This study explores the association between strained ICU capacity and healthcare costs, and demonstrates the admissions to ICUs experiencing strain incur incremental costs, attributed to longer hospitalization and physician services.

[Defining decision-grade real-world evidence and its role in the Canadian context: A design sprint summary report of a workshop](#) - November 16, 2018 | Dan Palfrey - This report provides a summary of a real-world evidence design sprint workshop that took place on October 21, 2018 in Toronto, Ontario. The workshop was developed and delivered as a joint partnership between the Canadian Agency for Drugs and Technologies in Health; Canadian Association for Population Therapeutics, Health Canada, and the Institute of Health Economics.

[Initiatives to accelerate the diagnostic phase of cancer care: An environmental scan](#) - October 25, 2018 | Michelle Pollock, Rodger Craig, Dagmara Chojecki, Bing Guo - This environmental scan describes existing initiatives that aim to accelerate the diagnostic phase of cancer care in Alberta, Canada, and internationally. Specifically, it describes their development and implementation, structure and functioning, intended outcomes and effectiveness, costs and cost savings, and enablers and barriers.

[The public cost of mental health- and addiction-related services for youth \(ages 12-17\) in Alberta](#) - August 29, 2018 | Alain Lesage, Philip Jacobs - The objective of this study was to measure the provincial government cost of mental health-related activities for youth ages 12 to 17 in Alberta.

[Enhanced Recovery After Surgery \(ERAS\) in gynecologic oncology: System-wide implementation and audit leads to improved value and patient outcomes](#) - August 08, 2018 | SP Bisch, T Wells, L Gramlich, P Faris, X Wang, Dat Tran, Thanh Nguyen, S Glaze, P Chu, P Ghatage, J Nation, V Capstick, H Steed, J Sabourin, G Nelson - The IHE contributed to this study, published in *Gynecologic Oncology*, which described the effects of Enhanced Recovery After Surgery (ERAS) guideline implementation in gynecologic oncology on length of stay, patient outcomes, and economic impact in Alberta.

[Evidence grading systems used in health technology assessment practice](#) - August 03, 2018 | Paula Corabian, Lisa Tjosvold, Christa Harstall - The objective of this study was to identify prominent and reliable evidence grading systems used in health technology assessment practice to assess quality or strength of bodies of evidence.

[Health technology optimization analysis: Conceptual approach and illustrative application](#) - May 09, 2018 | Charles Yan, Yufei Zheng, Michael D. Hill, Balraj Mann, Thomas Jeerakathil, Noreen Kamal, Shy Amlani, Anderson Chuck - A conceptual approach to determine the optimal solution to delivering a health technology across a regional health system.

[Criteria for the clinical use of immune globulin \(1st edition\)](#) - April 2018 | Prairie Collaborative Immune Globulin (IG) Utilization Management Framework Project - This clinical practice guideline was produced to establish criteria for IG therapy as a means to increase accountability for the quality, safety, and sustainability of the blood supply system, and to demonstrate stewardship for the use of public funds. This project is a trilateral agreement between the Alberta, Manitoba, and Saskatchewan ministries of health, involved multidisciplinary committees comprised of specialists from the three provinces, and was supported by the IHE's Ambassador Guideline Adaptation and Development Program.

[Theoretical models of the cost-effectiveness threshold, value assessment, and health care system sustainability](#) - April 30, 2018 | Himani Pandey, Mike Paulden, Christopher McCabe - As the Federal Government contemplates introducing an element of value-based pricing to the pharmaceutical industry regulatory framework, this report provides an overview of key theoretical and empirical material, to support informed engagement by all stakeholders.

[The impacts of public reporting and external benchmarking in cardiac care: A rapid update of the literature](#) - February 21, 2018 | Rodger Craig, Carmen Moga, Bing Guo, Dagmara Chojecki - The IHE was commissioned by the Canadian Cardiovascular Society to provide a rapid update of the literature, to compare the impacts of public reporting and external benchmarking.

[An economic evaluation of the National Surgical Quality Improvement Program \(NSQIP\) in Alberta, Canada](#) - February 20, 2018 | Thanh Nguyen, Tim Baron, Stacey Litvinchuk - The aim of this study was to analyze the health care costs and savings associated with quality improvement interventions initiated and implemented utilizing the National Surgical Quality Improvement Program (NSQIP).

[Diabetes care and management in Indigenous populations in Canada – Summary report of a pan-Canadian policy roundtable](#) - January 29, 2018 | Institute of Health Economics - This report provides a summary of the proceedings from the IHE roundtable on diabetes care and management in Indigenous populations in Canada, held on November 1, 2017.

ABOUT US

The Institute of Health Economics (IHE) is an independent, not-for-profit organization with key competencies in health economics and decision analytic modelling, health technology assessment, and knowledge transfer/exchange. Our mission is to inform coordinated, innovative, evidence-guided health policy and practice.

The Institute has broad linkages within academic, private, and public sectors, on provincial, national, and international levels that permits significant capacity and access to expertise, and amplifies the contribution of the organization via network dissemination of evidence and information.

The IHE serves as:

- the provincial program for health technology assessment in Alberta;
- the secretariat for the **Network of Alberta Health Economists** (NOAHE; www.NOAHE.ca) and the **Alberta Real World Evidence Consortium** (AlbertaRWE; www.AlbertaRWE.ca);
- a member of and host agency/secretariat for the **International Network of Agencies for Health Technology Assessment** (INAHTA; www.INAHTA.org);
- a member of and host agency/secretariat for **Health Technology Assessment International** (HTAi; www.HTAi.org);
- a technical member of the World Health Organization's Health Evidence Network (WHO HEN); and
- a member of the Canadian Agency for Drugs and Technologies in Health (CADTH) Health Technology Analysis Exchange and Pan-Canadian HTA Collaborative.

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