

**CURRICULUM VITAE****I. BIOGRAPHICAL DATA**

Name: Fiona M. Clement (nee Shrive)

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Citizenship: Canadian  
British

Languages: English  
French

Present Position: Associate Professor (appointed Jan 2011, rank promoted 2016)  
Director, Health Technology Assessment Unit (Jan 2012 – present)

Leaves: Dec 2008 – Mar 2009 Maternity leave  
July 2010 - Jan 2011 Maternity leave  
Sept 2011 - Jan 2012 Maternity leave  
Sept 2014 - Sept 2015 Leave of Absence (Harkness Fellowship)

**II. ACADEMIC RECORD**

Harkness Fellowship	Sept. 2014 – Sept. 2015	University of California – San Francisco
Post-doctoral Fellowship	Sept.2007-Mar 2010	University of Newcastle
Post-doctoral Fellowship	Sept.2006-Sept.2007	University of Calgary
PhD. Community Health Sciences Specializing in Health Services Research and Health Economics Thesis Title: An Economic Evaluation of Sirolimus-eluting Stents with Expanded Consideration of Inputs and Outputs	Sept. 2002 - June 2006	University of Calgary
Bachelor of Science Major: Statistics Minor: English	1997-2001	University of Calgary

### III. **AWARDS**

- 2017 Peak Scholar, University of Calgary: awarded for achievements where the academic work has had an impact outside of the academy resulting in a positive social or economic impact in our communities.
- 2015 Avenue's Magazine Top 40 Under 40: a selection of 40 Calgarians under the age of 40 who have made outstanding contributions to the community
- 2015 Maurice McGregor Award from the Canadian Agency for Drugs and Technologies in Health (CADTH): A national award for outstanding excellence and leadership in Health technology assessment
- 2014 Harkness Fellowship in Health Care Policy and Practice (held at University of California - San Francisco): a prestigious award given to 1-2 Canadians per year (12 international awardees a year) to enable them to complete a fellowship in US and international health policy
- 2007 Alberta Heritage Foundation for Medical Research Post-doctoral Fellowship Award (held in Newcastle, UK)
- 2007 Canadian Health Services Research Foundation Post-doctoral Award (held in Newcastle, UK)
- 2006 Canadian Cardiovascular Outcomes Research Team (CCORT) Post-doctoral Fellowship Award (Held in Calgary, AB)
- 2004 Canada Graduate Student Scholarship from CIHR
- 2004 Alberta Heritage Foundation for Medical Research Studentship
- 2004 Dean's Excellence Research Award
- 2004 Canadian Cardiovascular Outcomes Research Team (CCORT) Studentship
- 2004 Tomorrow Research Cardiovascular Health Professionals (TORCH) Studentship

### IV. **EDUCATIONAL ACTIVITIES**

- Co-instructor for graduate course MDCH 666 Health Policy (2016, 2017, 2018)
- Co-instructor for graduate course MDCH 663 Decision Analysis in Healthcare (2005, 2007, 2009, 2010, 2012, 2014, 2016, 2017)
- Co-instructor for a 6-session Health Economics course organized for the Strategic Clinical Networks within Alberta Health Services to build the healthcare system and policy-receptor capacity to incorporate economic outcomes into healthcare decisions and evaluations (2015)
- Preceptor for MDCH 755 Systematic Review and Meta-analysis (2013, 2015)
- Guest Lecturer in MDCH 660: Foundations in Health Services Research (2010, 2011, 2013, 2014, 2016)
- Co-instructor for MDCH 700 Introduction to secondary databases in Canada (2013)

### V. **TRAINEE SUPERVISION**

#### 1. Current Trainees:

Year began	Degree	Student
2017	PhD	Janak Bajgai (co-supervisor, Dept. of Community Health Sciences)
2017	MSc	Hannah Holitzki (Dept. of Community Health Sciences)

		Thesis: Public preferences for drug plan design: focus groups and survey development <i>Awarded W21C graduate scholarship</i>
2016	MSc	Mark Hofmeister (Dept. of Community Health Sciences)
2015	PhD	Thesis: An economic evaluation of the SPRITELY trial Rosmin Esmail (Dept. of Community Health Sciences) <i>Awarded Alberta Innovates Health Solutions Studentship</i>
2014	PhD	Thesis: Understanding the relationship between HTR and KT Stephanie Coward (co-supervisor, Dept. of Community Health Sciences) <i>Awarded University of Calgary Eyes High Graduate Fellowship, Izaak Walton Killam Doctoral Scholarship</i>
2013	PhD	Thesis: Predicting the future burden of IBD Lesley Soril (co-supervisor, Dept. of Community Health Sciences) <i>Awarded University of Calgary Silver Anniversary Graduate Fellowship, Alberta Innovates Health Solutions Studentship</i> Thesis: A health technology reassessment of blood transfusion practices in ICUs

## 2. Graduated Students:

Years in program	Degree	Student
2015-2017	MSc	Laura Sevick (Dept. of Community Health Sciences) Thesis: Economic Evaluation of an Electronic Discharge Tool: a cost-utility analysis of an RCT
2015-2017	MPH	Gil Earner (co-supervisor, School of Public Health, University of Alberta) Thesis: Systematic review and cost analysis of comprehensive geriatric assessments
2015-2017	MSc	David (Ziyu) Zhang (Dept. of Community Health Sciences) Thesis: Economic Evaluation of PCSK9 Inhibitors: A cost-utility decision model
2013-2017	MSc	Jong Kim (Dept. of Community Health Sciences) Thesis: An economic evaluation of the addition of HPV vaccination for boys in Grade 5 to the female grade 5 vaccination programme
2012-2014	MSc	Laura Leggett (Dept. of Community Health Sciences) Thesis: Cost-effectiveness of Cardiac Rehabilitation

## 3. Committee Membership:

2017	Hena Quereshi. MSc supervisory committee (Dept. of Community Health Sciences) Thesis: The economic impacts of dietary sodium reductions in the Canadian population
2013	Stephanie Coward. MSc supervisory committee (Dept. of Community Health Sciences) Thesis: Cost-effectiveness of Smoking Cessation Strategies in Patients with Inflammatory Bowel Disease
2012	Mohammed Almekhlafi. PhD supervisory committee (Dept. of Community Health Sciences) Thesis: The Safety and Cost-Effectiveness of Carotid Angioplasty and Stenting in Calgary – awarded the Governor General's Gold Medal

## 4. External Examiner:

2017	Maxine Scringier-Wilkes (Faculty of Nursing)
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Thesis: The Association between Breastmilk Feeding and Parental Leave Policies in Organizational for Economic Co---operation and Development (OECD) Countries: A Systematic Review

- 2016 Guosong Wuo (Dept. of Community Health Sciences)  
Candidacy Exam
- 2016 Ali Shajarizadeh (Dept. of Economics)  
Thesis: Essays on Pharmaceutical Economics
- 2014 Ilia Ferussi. PhD (McMaster University)  
Thesis: Economic Evaluation of HER2 Targeted Breast Cancer Therapy
- 2013 Samuel Xu. PhD (Haskayne School of Business)  
Thesis: An Agile Approach for Healthcare Simulation Modelling

## VI. **LEADERSHIP ACTIVITIES**

1. Director, Health Technology Assessment Unit, University of Calgary (January 2012-present)
2. Editor of *Evidence to Practice* in JAMA-Internal Medicine; a monthly section that summarizes topical HTAs into action-oriented recommendations for clinicians. (June 2015-present)
3. Successfully completed Cumming School of Medicine Leadership Training, University of Calgary (2017)
4. Successfully completed “Academic Leadership and Scientific Management” through University of California-San Francisco (6-day training workshop, Jan/Feb 2015)
5. Vice-Chair, HTA Exchange; the national HTA producers collaboration forum (April 2015-present)

## VII. **POLICY ACTIVITIES**

1. Alberta Health Technology Decision Process (January 2012-present).

The Alberta Health Technology Decision Process is the Expert Advisory Panel to review publicly funded health services in Alberta. It supports the use of appropriate evidence and information for decision-making on the public funding of health technologies and services, with emphasis on technologies requiring review provincially or nationally. It has engaged 3 partner Health Technology Assessment Units to support the process’ evidence requirements and provide academic support to enhance the process. I am the current director of one of the Health Technology Assessment Units. My contributions in this role include leadership to support on-going adaption of the process to increase efficiency and relevance and completion of timely HTAs to support publicly-funding decisions of specific technologies.

2. British Columbia Health Technology Review (May 2016-present)

The British Columbia Health Technology Review is the process to review publicly funded health services in BC. It supports the use of appropriate evidence and information for decision-making on the public funding of health technologies and services. There are 2 partner Health Technology Assessment Units to support the process (The University of Calgary HTA Unit and C2E2, Vancouver Coastal Health). My contributions in this role include completion of timely HTAs to support decision-making.

### 3. Expert Committee on Drug Evaluation and Therapeutics (Sept 2016-present)

This Expert Committee for Alberta Health provides advice as related to the Alberta Health Drug Benefit List; and provides recommendations to the Minister for consideration in making decisions on the benefit status of drugs on the List related to inclusion, deletion, coverage criteria, and interchangeability, by reviewing drug submissions and applying expertise to assess the scientific, therapeutic, clinical and socio-economic merits of drug products.

## VIII. RESEARCH SUPPORT

Title	Amount	Years	Agency	Role	Co-investigators
Reducing the global burden of infectious diseases through precision population health	\$11,030,000	2018-2022	Genome Canada	Co-I	PI: I. Lewis, D. Church Co-I: A. Earl, S. Noskov
Documenting our journey: the stories of patients and their families of living with syncope	\$270,000	2018-2020	Cardiac Arrhythmia Network of Canada (CANnet)	Co-PI	Co-PI: Mary Runte (funds held at University of Lethbridge)
Improving ICU-to-Ward Transfers of Care: Evaluation of a KT Tool Kit and ICU Transfer Tool	\$265,148	2017-2019	Canadian Frailty Network	Co-I	PI: T. Stelfox, S. Bagshaw CO-I: S. Straus, A. Forster, P. Dodek, C. Doig, P. Oxland, E. Papathanassoglou, D. Zuege, J. Parsons-Leigh, M. Detsky, J. Holroyd-Leduc, D. Niven, V. Vandal-Walker, K. Zjadewicz, C. Grant, D. Rockliff
REACH Network (renamed SPOR Evidence Alliance)	\$5,000,000	2017-2022	CIHR: SPOR guidelines and systematic reviews	PI	NPI: A. Tricco PIs: J. Abbott, K. Barker, N. Beben, T. Clifford, C. Casey, A. Hayes, A. Proctor, G. Teare, A. Abou-Setta, H. Colquhoun, J. Curran, C. Godfrey, W. Isaranuwachai, A. Leblanc, L. Li, P. Moffitt, D. Moher, S. Straus + 80 CO-Is and knowledge partners
Building Capacity and Supporting Health Technology Assessment in British Columbia	\$400,000	2017-2018	BC Ministry	PI	
Palliative Care, Early & Systematic (PaCES): Impact on Patient & Health System Outcomes	\$11,566	2017	CIHR: Partnerships for Health System Improvement for Cancer Control: Letter of Intent	CO-I	PI: J. Simon CO-I: A. Sinnarajah M. Kerba, P. Tang, S. Watanabe, S. Verma, T. Braun, N. Hagen, E. Kurien, W. Cheung, K. Fassbender, H. Marr, P. Faris, C. DeOliveira, C. Cuthbert
Community Alternatives for Syncope Management in the Emergency Room (CASMER)	\$1,389,476	2017-2020	Cardiac Arrhythmia Network of Canada (CANnet)	CO-I	PI: S. Raj CO-I: G. Lazarenko, I. Blanchard, M. Runte, R. Sheldon
De-Adopting Low-Value Practices in Critical Care Medicine	\$321,300	2017-2020	CIHR: Project Scheme	CO-I	PI: Jeanna Parsons Leigh CO-I: S. Bagshaw, D. Niven, P.

Title	Amount	Years	Agency	Role	Co-investigators
					Dodek, S. Straus, J. Boyd, K. Fiest, D. Heyland, A. Soo, I. Ball, K. Zjadewicz, D. Zygum, D. Demianschuk T. Stelfox
Safer Care for Older Persons in (Residential) Environments	\$913,577	2016-2019	CIHR: Project Scheme	Co-I	PI: A. Wagg Co-I: J. Baumbusch, A. Senthilselvan, J. Squires, L. Cranley (grant held at University of Alberta)
Building Capacity and Supporting Health Technology Assessment in British Columbia	\$270,000	2016-2017	BC Ministry	PI	
Developing provincial strategy for reassessment	\$75,000	2016	BC Ministry	Co-PI	Co-PI: C. Mitton, S. Bryan (grant held at UBC)
West Coast Harkness Policy Forum	\$5,500	2015	Commonwealth Fund	Lead	R. Redberg
Economic Evaluation of point of care testing of troponin for suspected NSTEMI patients	\$35,000	2015	CADTH	PI	
Alberta Values Health	\$4,400	2014	Campus Alberta Health Outcomes and Public Health	Lead	Team members: C. McCabe, P. Fenwick
Optimizing Seniors Surgical Care - The Elder Friendly Surgical Unit	\$750,000	2014-2017	Alberta Innovates Health Solutions - PHRIS	Co-I	PI: R. Khadaroo, J. Co-I: Holroyd-Leduc, R. Padwal, A. Wagg
Building Capacity and Supporting Health Technology Assessment in Alberta	\$2,853,685	2013-2018	Alberta Health	PI	Co-I: T. Noseworthy
Economic Evaluation of point of care testing of INR for patients on oral anticoagulant therapy	\$35,000	2013	CADTH	PI	
W21C: Interdisciplinary Research and Innovation for Health System Quality and Safety.	\$4,679,601	2013-2018	Alberta Innovates Health Solutions – CRIO Team	Co-I	Lead: W. Ghali Co-Lead: T. Stelfox, J. Conly Members: D. Bates, D. Musson, J. Cornuz, R. Tamblyn, A. Forster, B. Baylis, C. Saunders, M. O'Beirne, D. Hogan, D. White, I. Ma, J. Lemaire, J. Caird, P. Sargious, W. Flemons, A. Leung, J. Wallace, M. Weinger, S. Straus, S. Carpendale, T. Wasylak, S. Powelson, K. McLaughlin, N. Marlett, M. Okoniewski, C. Ho, S. Harman, J. Lounsberry, J. de Grood, M. Santana, L. Rabatach, N. Sharma, G. Altabbaa, H. Quan.
A Synthesis of international public drug plan reimbursement decision-making systems: Lessons for Canada	\$100,000	2012-2013	CIHR – Knowledge synthesis	PI	B. Manns, S. Klarenbach, L. Barnieh, D. Lorenzetti, A. Harris, C. Donaldson, L. Jardine
A cost-effectiveness study of exercise-based Cardiac Rehabilitation	\$100,000	2011-2013	M.S.I Foundation	PI	B. Manns, W. Ghali, T. Hauer, J. Stone, S. Aggarwal, M. Knudtson, C. Norris
Health Technology Reassessment in Alberta	\$282,000	2011-2012	Alberta Health	Co-PI	L. Sutherland, T. Noseworthy
A Systematic Review of Drug Use Optimization and Cost-Containment Measures Adopted Within the OECD Nations	\$18,000	2011-2012	University of Calgary Grant Committee Seed Grant	PI	B. Manns

IX. **PUBLICATIONS**  
**Trainees in bold**

1. **Soril LJ**, Niven D, **Esmail R**, Noseworthy T, Clement FM. Untangling, Unbundling and Moving Forward: Framing Health Technology Reassessment in the Changing Conceptual Landscape. International Journal of Technology Assessment in Healthcare (In press)
2. **Hofmeister M**, **Memedovich A**, Dowsett L, **Sevick L**, McCarron T, Spackman E, Stafinski T, Menon D, Noseworthy T, Clement FM. Palliative care in the home: A scoping review of study quality, primary outcomes, and thematic component analysis. BMC Palliative Care (In press)
3. Han D, Danthurebandara V, Iragorri N, Clement F, Spackman E. Cost-effectiveness of Treatments for Chronic Constipation: A Systematic Review. Pharmacoeconomics. Jan 2018.
4. Nixon N, Manns B, Clement F, Verma S, Spackman E. Cost-Effectiveness of Symptom Monitoring with Patient-Reported Outcomes During Routine Cancer Treatment. Journal of Cancer Policy. IN PRESS.
5. **Sevick L**, Santana, M, Ghali W, Clement FM. Prospective Economic Evaluation of an Electronic Discharge Communication Tool: Analysis of a Randomized Controlled Trial. BMJ OPEN 2017;7:e019139.
6. **Holitzki H**, Dowsett L, Spackman E, Noseworthy T, Clement FM. Effects of Exposure to Second and Third-Hand Marijuana Smoke: A Systematic Review. CMAJ Open 2017 Nov 30: 5(4):E814-E822.
7. Campbell D, Manns BJ, **Soril L**, Clement F. A comparison of Canadian public medication insurance plans and the impact on out-of-pocket costs. CMAJ Open. 2017 Nov 22;5(4):E808-E813.
8. McCarron TL, Sheikh MS, Clement F. The Unrecognized Challenges of the Patient-Physician Relationship. JAMA Intern Med. 2017 Nov 1;177(11):1566-1567
9. Lachy S, Wilson T, Clement F, Roberts DJ, Faris P, Ghali WA, Marshall DA. Kaplan-Meier Survival Analysis Overestimates Cumulative Incidence of Health-related Events in the Presence of Competing Risks: A Meta-analysis. J Clin Epidemiol. 2017 Oct 15. pii: S0895-4356(17)30023-9.
10. Dowsett LE, Clement FM, **Coward SB**, Lorenzetti DL, Noseworthy TW, **Sevick L**, Spackman E. Effectiveness of Surgical Treatment for Tarlov Cysts: A Systematic Review of Published Literature. Clinical Spine Surgery. 2017 Sep 11.
11. **Soril L**, Adams T, Phipps-Taylor M, Winblad U, Clement F. Is Canadian Healthcare Affordable? A Comparative Analysis of the Canadian Healthcare System from 2004 to 2014. Healthcare policy. 13(1) August 2017: 43-58.
12. **Earnar GJ**, Clement FM, Churchill T, Pederson JL, Khadaroo RG. Analysis of Post-Discharge Costs Following Emergent General Surgery in Elderly Patients. Canadian Journal of Surgery. 2017 Dec 1;60(6):2617.
13. **Sevick L**, **Ghali S**, Hill MD, Danthurebandara V, Lorenzetti DL, Noseworthy T, Spackman E, Clement FM. A Systematic Review of the Cost and Cost-Effectiveness of Rapid Endovascular Therapy for Acute Ischemic Stroke. Stroke 2017 Jul 17. pii:

STROKEAHA.117.017199. doi: 10.1161/STROKEAHA.117.017199. [Epub ahead of print]

14. Spackman E, Haines-Saah R, Danthurebandara V, Dowsett LE, Noseworthy T, Clement FM. Marijuana Use and Perceptions of Risk and Harm: A Survey among Canadians in 2016. *Healthcare Policy*. 13(1) August 2017: 17-27.
15. **Sevick L, Esmail R**, Tang K, Lorenzetti DL, Ronksley P, James M, Santana M, Ghali WA, Clement FM. A Systematic Review of the Cost and Cost-Effectiveness of Electronic Discharge Communications. *BMJ OPEN* 2017 Jul 2;7(6):e014722.
16. **Sevick K, Soril L**, MacKean G, Noseworthy T, Clement FM. Unpacking Early Experiences with Health Technology Reassessment in a Complex Healthcare System. *International Journal of Healthcare Management*. 10:3. June 10 2017
17. Stanley F, Zarezadeh S, Duamis C, Dumais K, MacQueen R, Clement F, Goodzari A. Comprehensive survey of household radon gas levels and risk factors in southern Alberta. *CMAJ Open*. March 29, 2017.
18. **Soril L**, MacKean G, Noseworthy T, Leggett L, Clement FM. Achieving Optimal Technology Use: A Proposed Model for Health Technology Reassessment. *Open Medicine*. April 19, 2017
19. Leggett L, **Coward S**, Lorenzetti D, MacKean G, Clement FM. Living with Hepatitis C Virus: A Systematic Review and Narrative Synthesis of Qualitative Literature. *Can Journal of Gastroenterology and Hepatology*. Volume 2017 (2017).
20. **Stokes W, Fenton C**, Clement, FM, James MT, Ronksley PE, Tang K. The Efficacy and Safety of 12 weeks of Sofosbuvir and Ledipasvir versus Sofosbuvir, Ledipasvir and Ribavirin in Patients with Chronic Hepatitis C, genotype 1, who have Cirrhosis and have Failed Prior Therapy: A Systematic Review and Meta-Analysis. *Can Journal of Gastroenterology and Hepatology*. 2017;2017:6468309. doi: 10.1155/2017/6468309. Epub 2017
21. Pendharkar SR, Clement FM. Screening for Obstructive Sleep Apnea: Important to Find, but How Hard Should We Look? *JAMA Intern Med*. 2017 Jan 24. doi: 10.1001/jamainternmed.2016.9538.  
<http://jamanetwork.com/journals/jamainternalmedicine/fullarticle/2599421>
22. **Coward S**, Kuenzig ME, Hazlewood G, Clement F, McBrien K, Holmes R, Panaccione R, Ghosh S, Seow CH, Rezaie A, Kaplan GG Comparative Effectiveness of Mesalamine, Sulfasalazine, Corticosteroids, and Budesonide for the Induction of Remission in Crohn's Disease: A Bayesian Network Meta-analysis. *Inflamm Bowel Dis*. 2017 Mar;23(3):461-472.
23. Naugler C, Hemmelgarn B, Quan H, Clement F, Sajobi T, Thomas R, Turin T, Hnydyk W, Chin A, Wesenberg J. Implementation of an intervention to reduce population-based screening for vitamin D deficiency: a cross-sectional study. *cmajo* 5:E36-E39; published online January 17, 2017, doi:10.9778/cmajo.20160073.  
<http://cmajopen.ca/content/5/1/E36.full.pdf>
24. Coward S, Kareemi H, Clement F, Zimmer S, Dixon E, Ball CG, Heitman SJ, Swain M, Ghosh S, Kaplan GG. Incidence of Appendicitis over Time: A Comparative Analysis of an Administrative Healthcare Database and a Pathology-Proven Appendicitis Registry. *PLoS One*. 2016 Nov 7;11(11):e0165161.



25. Altman D, Clement FM, Barnieh L, Manns B, Penz E. Cost-Effectiveness of Universally Funding Smoking Cessation Pharmacotherapy. *Chest*. 2016;150(4\_S):1303A. doi:10.1016/j.chest.2016.08.1418
26. **Soril LJ**, Clement FM, Noseworthy TW. Bioethics, health technology reassessment, and management. *Healthcare Management Forum*. 2016 Oct 15; 29(6):275-278..
27. Clement F. Simple Measures to Reduce Chemical Exposure. *JAMA Intern Med*. 2016 Nov 1; 176(11):1707.
28. Campbell DJ, **Soril LJ**, Clement F. Impact of Cost-Sharing Mechanisms on Patient-Borne Medication Costs. *JAMA Intern Med*. 2016 Nov 1; 176(11):173-1704..
29. **Coward S**, Leggett L, Kaplan GG, Clement F. Cost-effectiveness of screening for hepatitis C virus: a systematic review of economic evaluations. *BMJ Open*. 2016 Sep 6;6(9):e011821. doi: 10.1136/bmjopen-2016-011821.
30. James MT, Wilton SB, Clement FM, Ghali WA, Knudtson ML, Tan Z, Tonelli M, Hemmelgarn BR, Norris CM; Alberta Provincial Project for Outcome Assessment in Coronary Heart Disease (APPROACH) and Alberta Kidney Disease Network (AKDN) Investigators. Kidney Function Does Not Modify the Favorable Quality of Life Changes Associated With Revascularization for Coronary Artery Disease: Cohort Study. *J Am Heart Assoc*. 2016 Jul 19;5(7). pii: e003642. doi: 10.1161/JAHA.116.003642.
31. Ho C, Cimon K, Weeks L, Mierzwinski-Urban M, Dunfield L, Soril L, Clement F, Jabr M. Point-of-Care Troponin Testing in Patients With Symptoms Suggestive of Acute Coronary Syndrome: A Health Technology Assessment [Internet]. Ottawa (ON): Canadian Agency for Drugs and Technologies in Health; 2016 Mar. . Report No. 5.1b: 1-144. [https://www.ncbi.nlm.nih.gov/pubmedhealth/PMH0088115/pdf/PubMedHealth\\_PMH0088115.pdf](https://www.ncbi.nlm.nih.gov/pubmedhealth/PMH0088115/pdf/PubMedHealth_PMH0088115.pdf)
32. Clement FM. Unasked and Unanswered questions: my weight loss journey. *JAMA Internal Medicine* 2016 Feb; 176(2): 163-4
33. **Soril L JJ**, Leggett LE, Lorenzetti DL, Noseworthy T, Clement FM. Characteristics of Frequent Users of the Emergency Department: A Systematic Review of International Healthcare Systems. *Health Policy*. 2016 Feb 27. pii: S0168-8510
34. Leggett L, Khadaroo RG, Holroyd-Leduc J, Lorenzetti DL, Hanson H, Wagg A, Padwal R, Clement FM. Measuring resource utilization: A systematic review of validated self-reported questionnaires. *Medicine (Baltimore)*. 2016 Mar;95(10):e2759
35. Stelfox HT, Niven DJ, Clement FM, Bagshaw SM, Cook DJ, McKenzie E, Potestio ML, Doig CJ, O'Neill B, Zygun D; Critical Care Strategic Clinical Network, Alberta Health Services. Stakeholder Engagement to Identify Priorities for Improving the Quality and Value of Critical Care. *PLoS One*. 2015 Oct 22;10(10)
36. Thommasen A, Clement FM, Kinniburgh D, Lau, C, Gui M, Viczko J, Guggisberg K, Thomas R, Turiin T, Wesenberg J, Abdullah A, Hnydky W, Naugler C. Canadian Family

Physician Knowledge and Attitudes Toward Laboratory Utilization Management. *Clinical Biochemistry*. 2015 Sep 26

37. **Josephson C, Sauro K, Clement FM**, Wiebe S, Jette N. Medical versus invasive therapy in AVM-related epilepsy: systematic review and meta-analysis. *Neurology*. 2015 Dec 7.
38. Weaver C, **Clement FM**, Campbell N, James MT, Klarenbach S, Hemmelgarn BR, Tonelli M, McBrien KA for the Alberta Kidney Disease Network (AKDN) and the Interdisciplinary Chronic Disease Collaboration (ICDC). Health care costs attributable to hypertension: a Canadian population-based cohort study. *Hypertension*. 2015 Sep;66(3):502-8
39. **Leggett L**, Hauer T, Martin BJ, Manns B, Aggarwal S, Arena R, Austford L, Meldrum D, Ghali W, Knudtson M, Norris C, Stone J, **Clement FM**. Optimizing Value from Cardiac Rehabilitation: A Cost-Utility Analysis Comparing Age, Sex and Clinical Subgroups. *Mayo Clinical Proceedings*. 2015 Aug;90(8):1011-20.
40. **Leggett LE, Soril LL, Coward S**, Lorenzetti DL, MacKean G, **Clement FM**. Repetitive Transcranial Magnetic Stimulation for Treatment Resistant Depression in Adult and Youth Populations: A Systematic Literature Review and Meta-analysis. *Primary Care Companion CNS Disord* 2015;17(6).
41. Khadaroo R, Padwal R, Wagg A, **Clement FM**, Warkentin L, Holroyd-Leduc J. Optimizing senior's surgical care - Elder-Friendly Approaches to the Surgical Environment (EASE) Study: rationale and objectives. *BMC Health Services Research*. 2015 Aug 21;15(1):338
42. **Coward S**, Heitman S, **Clement FM**, Hubbard J, Proulx M, Zimmer S, Panaccione R, Seow C, Leung Y, Datta N, Ghosh S, Kaplan G. Ulcerative Colitis Associated Hospitalization Costs: A Population-Based Study. *Canadian Journal of Gastroenterology and Hepatology*. *Can J Gastroenterol Hepatol*. 2015 Jun 16. pii: 16814.
43. Parkinson B, Sermet C, **Clement FM**, Crausaz S, Godman B, Garner S, Choudhury M, Pearson S, Viney R, Lopert R, Elshaug A. Disinvestment and Value-Based Purchasing Strategies for Pharmaceuticals: An International Review. *Pharmacoeconomics*. 2015 Jun 6. [Epub ahead of print]
44. **Soril LL**, Leggett LE, Lorenzetti DL, Noseworthy TW, **Clement FM**. Reducing Frequent Visits to the Emergency Department: A Systematic Review of Interventions. *PLoS One*. 2015 Apr 13;10(4)
45. **Coward S**, Heitman SJ, **Clement FM**, Negron M, Panaccione R, Ghosh S, Barkema HW, Seow C, Leung PY, Kaplan GG. Funding a Smoking Cessation Program for Crohn's Disease: An Economic Evaluation. *American Journal of Gastroenterology* Mar 2015. 110(3): 368-77.

46. Clement, FM and Charlton B. Challenges in Choosing Wisely's International Future: Support, Evidence, and Burnout. *JAMA Internal Medicine*. Published online February 23, 2015
47. **Soril LL**, Leggett LE, Lorenzetti DL, Silviu J, Robertson D, Mansell L, Holroyd-Leduc J, Noseworthy TW, Clement FM. Effective Use of the Built Environment to Manage Behavioural and Psychological Symptoms of Dementia: A Systematic Review. *PLoS One*. 2014 Dec 17;9(12)
48. Tang KL, Barnieh L, Mann B, Clement F, Campbell DJ, Hemmelgarn BR, Tonelli M, Lorenzetti D, Manns BJ. A systematic review of value-based insurance design in chronic diseases. *Am J Manag Care*. 2014 Jun;20(6):e229-41.
49. **Negrón ME**, Kaplan GG, Barkema HW, Eksteen B, Clement F, Manns BJ, Coward S, Panaccione R, Ghosh S, Heitman SJ. Colorectal cancer surveillance in patients with inflammatory bowel disease and primary sclerosing cholangitis: an economic evaluation. *Inflamm Bowel Dis*. 2014 Nov;20(11):2046-55
50. Leggett L, **Soril L**, Lorenzetti D, Noseworthy T, Steadman R, Tiwana S, Clement F. Radiofrequency Ablation for Chronic Low Back Pain: A Systematic Review of Randomized Controlled Trials. *Pain Res Manag*. 2014 Sep-Oct;19(5):e146-53.
51. Clement FM, Chen G, Khan N, Tu K, Campbell N, Smith M, Quan H, Hemmelgarn BM, McAlister FA. Primary care physician visits by patients with incident hypertension. *Canadian Journal of Cardiology* 2014 Jun;30(6):653-60.
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X. **GOVERNMENT REPORTS**

1. Dowsett L, **Ghali S, Holitzki H**, MacKean G, Lorenzetti D, McCarron T, Coward S, **Memedovich K, Hofmeister M**, Noseworthy T, Clement FM on behalf of the HTA Unit. Daily Blood Work and Diagnostic Imaging Order Sets. Produced for the BC Ministry of Health. October 2017.
2. Dowsett L, Lorenzetti D, McCarron T, Coward S, MacKean G, **Memedovich K Hofmeister M, Soril L**, Clement FM on behalf of the HTA Unit. Preoperative Cardiac Testing for non-Cardiac Surgery. Produced for the BC Ministry of Health. October 2017.
3. Dowsett L, **Hofmeister M**, Lorenzetti D, Clement FM on behalf of the HTA Unit. Fluoroscopy Compared to Ultrasound in Image-guided Joint and Soft-Tissue Injections. Produced for Alberta Health. Sept 2017.
4. **Memedovich K**, Dowsett L, Grigat D, MacKean G, Lorenzetti D, Clement FM on behalf of the HTA Unit. The Use of Clinical Decision Support Tools in the Emergency Department to Optimize Clinical Practice. Produced for the Calgary Zone Emergency Department. Aug 2017
5. **Holitzki H**, Lorenzetti D, Dowsett LE, MacKean G, Clement FM on behalf of the HTA Unit. Implementation Strategies for Repetitive Transcranial Magnetic Stimulation: an Environmental Scan. Produced for Addictions and Mental Health Strategic Clinical Network. Aug 2017.
6. Dowsett L, McCarron T, **Farrier C**, Lorenzetti D, Brooks K, **Holitzki H**, Coward S, Han D, **Hofmeister M, Memedovich K**, MacKean G, Stafinski T, Menon D, Noseworthy T, Clement FM on behalf of the HTA Unit. Palliative and End-of-Life Care. Produced for Alberta Health. June 2017.
7. Dowsett L, Clement FM, Danthurebandara V, Lorenzetti D, Brooks K, Han D, MacKean G, Siad F, Noseworthy T, Spackman E on behalf of the HTA Unit. Computed Tomography for Diagnosing Pulmonary Embolism: A Health Technology Assessment. Produced for the BC Ministry of Health. March 2017.
8. Clement FM, Spackman E, Manns B. Albertans Preferences for Drug Plan Design. Produced for Alberta Health. Dec 2016.
9. Leggett LE, **Holitzki H, Memedovich K**, Danthurebandara V, Lorenzetti D, Haines-Saah R, Noseworthy T, Spackman E, and Clement FM on behalf of the HTA Unit. Marijuana Evidence Series: Topic 5 – Experience of legalizing Marijuana: Impact and emerging effects. Produced for Alberta health. Nov 2016.
10. Leggett LE, **Memedovich K**, MacCarron T, Lorenzetti D, Haines-Saah R, Noseworthy T, Spackman E, and Clement FM on behalf of the HTA Unit. Marijuana Evidence Series: Topic 4 – Advertising regulations of tobacco, alcohol: implications for Marijuana. Produced for Alberta health. Oct 2016.
11. **Soril, L, Sexias B**, Mitton C, Bryan S, Clement FM on behalf of the HTA Unit and The Centre for Clinical Epidemiology and Evaluation (University of British Columbia) A Proposed Framework for Health Technology Reassessment in British Columbia. Produced for the BC Ministry of Health. Sept 2016.
12. Leggett LE, **Memedovich K**, Stafinski T, Menon D, Lorenzetti D, Noseworthy T, Spackman E, and Clement FM on behalf of the HTA Unit and the Health Assessment and Policy Unit (University of Alberta). Palliative Home Care: A systematic review. Produced for Alberta health. Sept 2016.



13. Leggett LE, **Soril L**, Clement FM, **Sevick K**, Danthurebandara V, Lorenzetti D, Han D, and Spackman E on behalf of the HTA Unit. Transcutaneous Bilirubinometers for Newborn Hyperbilirubinemia. Produced for the BC Ministry of Health. Sept 2016.
14. Leggett LE, **Holitzki H**, **Sevick K**, **Ghali S**, Danthurebandara V, Lorenzetti D, Haines-Saah R, Noseworthy T, Spackman E, and Clement FM on behalf of the HTA Unit. Marijuana Evidence Series: Topic 3 – Medical Marijuana. Produced for Alberta health. Aug 2016.
15. Leggett LE, **Memedovich K**, **Holitzki H**, **Sevick K**, **Ghali S**, Danthurebandara V, Lorenzetti D, Haines-Saah R, Noseworthy T, Spackman E, and Clement FM on behalf of the HTA Unit. Marijuana Evidence Series: Topic 2 – Health Harms of Marijuana. Produced for Alberta health. Aug 2016.
16. **Sevick L**, Danthurebandara V, **Ghali S**, MacKean G, Spackman E, and Clement FM on behalf of the HTA Unit. Endovascular Therapy for Acute Ischemic Stroke: A HTA and Policy Analysis. Produced for the BC Ministry of Health. August 2016.
17. Leggett LE, **Memedovich K**, **Holitzki H**, **Sevick K**, Danthurebandara V, Lorenzetti D, Haines-Saah R, Noseworthy T, Spackman E, and Clement FM on behalf of the HTA Unit. Marijuana Evidence Series: Topic 1 –Current Canadian Context. Produced for Alberta health. July 2016.
18. Clement FM, Spackman E, **Soril L**, Campbell DJT, Manns BM. Drug Policy Roundtable: Summary of the Day. Produced for Alberta health. May 2016.
19. Clement FM, **Soril L**, Emery H, Campbell DJT, Manns BM. Canadian Publicly Funded Prescription Drug Plans, Expenditures and an Overview of Patient Impacts. Produced for Alberta health. February 2016.
20. **Soril L**, Clement FM on behalf of the Health Technology Assessment Unit. An Economic Evaluation of Point of Care Troponin. Produced for the Canadian Agency for Drugs and Technology in Health [CADTH]. December 2015.
21. Leggett L, **Coward S**, Weaver C, **Sevick L**, **Zhang D**, MacKean G, Lorenzetti DL, Clement FM. on behalf of the Health Technology Assessment Unit. Laser Interstitial Thermal Therapy for Treating Intracranial Lesions and Epilepsy. Produced for the BC Ministry of Health. December 2015.
22. **Soril L**, Clement FM on behalf of the on behalf of the Health Technology Assessment Unit. An Economic Evaluation of the Appropriate Use of Antipsychotics (AUA) Project. Produced for the Seniors' Health Strategic Clinical Network, Alberta Health Services. August 2015.
23. Leggett L, **Coward S**, **Soril L**, MacKean G, Lorenzetti DL, Noseworthy T, Clement FM. on behalf of the Health Technology Assessment Unit. Hepatitis C Virus Screening: A Health Technology Assessment and Policy Analysis. Produced for Alberta Health. Mar 2015.
24. **Coward S**, Leggett L, **Soril L**, MacKean G, Lorenzetti DL, Clement FM. on behalf of the Health Technology Assessment Unit. Screening for Hepatitis C Virus: A Systematic Review of Economic Evaluations. Produced for Alberta Health. Oct 2014.

25. Alberta Values Health Collaborative. Alberta Values Health Stakeholder Meeting: Summary Report. Sept 2014.
26. **Leggett L, Coward S, Soril L**, MacKean G, Clement FM, on behalf of the Health Technology Assessment Unit. Repetitive Transcranial Magnetic Stimulation for Treatment Resistant Depression. Produced for Alberta Health. March 2014.
27. **Soril L**, Tiwana S, Jalon O, MacKean G, Clement FM on behalf of the Health Technology Assessment Unit. Best practices in the management of behavioural and psychological symptoms of dementia in residents of long-term care facilities in Alberta: Health Technology Reassessment. Produced for Alberta Health. February 2014.
28. Point-of-Care Monitoring Devices for Long-Term Oral Anticoagulation Therapy: Clinical and Cost Effectiveness. Produced for the Canadian Agency for Drugs and Technologies in Health. November 2013.
29. Tiwana S, **Smith A, Leggett L**, MacKean G, Lorenzetti D, Clement FM on behalf of the Health Technology Assessment Unit. Use of Oncotype DX for guiding adjuvant chemotherapy decisions in early stage invasive breast cancer patients in Alberta: A Health Technology Assessment. Produced for Alberta Health. August 2013.
30. **Leggett L**, Jalon O, Clement FM on behalf of the Health Technology Assessment Unit. A systematic review of ICU compared to non-ICU care settings post head and neck surgery. Produced for the Cancer Strategic Clinical Network, Alberta Health Services. July 2013.
31. **Soril L, Leggett L**, Clement FM on behalf of the Health Technology Assessment Unit. Frequent Emergency Department Users: Who Are They and How Are They Cared For? Synthesis of the Evidence and Discussion Report. Produced for Alberta Health Services. May 2013.
32. MacKean G, Noseworthy T, **Leggett L**, Clement FM on behalf of the Health Technology Assessment Unit. Health Technology Reassessment: A model and discussion paper for Alberta. Produced for Alberta Health. Sept 2012.
33. Steadman R, **Sevick L**, Lorenzetti D, Noseworthy T, Rose S, Clement FM on behalf of the Health Technology Assessment Unit. A Health Technology Assessment of Radiofrequency Ablation for Low Back Pain. Produced for Alberta Health and Wellness. April 2012.
34. **Leggett L**, Hosien S, Lorenzetti D, Noseworthy T, Rose S, Clement FM on behalf of the Health Technology Assessment Unit. A Health Technology Assessment of Corneal Cross-linking. Produced for Alberta Health and Wellness. April 2012.
35. Steadman R, **Leggett L**, Lorenzetti D, Noseworthy T, Rose S, Sutherland L, Clement FM on behalf of the Health Technology Assessment Unit. A Health Technology Assessment of Transient Elastography in Liver Disease. Produced for Alberta Health and Wellness. January 2012.
36. **Leggett L**, Zarrabi, M., Sutherland, L., Noseworthy, T., Clement, F on behalf of the Health Technology Assessment Unit. Health Technology Reassessment and Reinvestment: A Systematic Review of Current Practices. Produced for Alberta Health and Wellness. Sept 2011.

37. Clement FM, Lorenzetti D, Cepoui-Martin M, Sutherland L on behalf of the Health Technology Assessment Unit. Treatment of primary and non-cancer related secondary lymphedema: Clinical systematic review and budget impact analysis. Produced for Alberta Health Services. April 2011.

## XI. INVITED PRESENTATIONS

1. Identifying waste in health care systems. Network of Alberta Health Economists (NOAHE). January 12, 2018. Edmonton. Alberta
2. Marijuana Legalization: current context and what's coming. School of Public Policy Learn and Lunch Series. November 2017. Calgary. Alberta.
3. Current State of HTR. CADTH Annual Symposium [Workshop offerings]. April 23, 2017, Ottawa, Ontario.
4. Cannabis: Isn't it safe? University of Calgary Continuing Medical Education. April 19, 2017, Calgary, Alberta. Webcast across Alberta to various healthcare professionals.
5. Canadian publicly funded prescription drug plans, expenditures and an overview of patient impacts. THETA Collaborative Rounds. January 27, 2017, Toronto, Ontario
6. Canadian publicly funded prescription drug plans, expenditures and an overview of patient impacts. C2E2 Rounds. September 12, 2016, Vancouver, BC.
7. Canadian Healthcare: What's worth sustaining? O'Brien Institute of Public Health Seminar. Dec 2015. Calgary, Alberta
8. Imagining the impossible: redefining Canadian healthcare. CADTH Lecture Series. Oct 2015. Ottawa, Canada. Webcast to 300 attendees.
9. Accountable Care Organizations in Alberta. Alberta Medical Association Annual Board Retreat. June 2015. Banff, Alberta.
10. Strong leadership in appropriateness. National Health Leadership Conference. June 2014. Banff, Alberta
11. Big Ideas in HTA – Plenary Session. Canadian Agency for Drugs and Technologies in Health (CADTH) Symposium. May 2013. Ottawa, Ontario.
12. Health Technology Reassessment. Alberta Health Services: Strategic Clinical Networks Educational Retreat. Feb 2012, Sept 2012. Calgary, Alberta.
13. Health Technology Reassessment: Promoting Value and Evidence-Based Practice. Pre-conference workshop at Canadian Agency for Drugs and Technologies in Health (CADTH) Symposium. April 2012. Ottawa, Ontario.
14. Introduction to Economic Evaluation and Decision Analysis Modeling. Health Technology Assessment and Innovation group, Alberta Health Services. March 1, 2011. Calgary, Alberta.

## XII. OTHER ACTIVITIES

1. Completed 4-day intensive Instructional Skills Workshop. This course is designed to enhance the instructional ability of faculty members, aid in their course design and support innovative course delivery. (April 2017)
2. Selected to participate in the Provincial Precision Health Working Group and the Cumming School of Medicine Precision Health working group. These groups are tasked with developing a provincial and School specific strategy to advance precision health in Alberta. Co-Chair of the HTA and lifecycle management working group. (Sept 2016 – ongoing)
3. Launched an editorial fellowship for graduate students in the Dept. of Community Health Sciences. The fellowship exposes students to the editorial process of a major high-impact journal (JAMA Internal Medicine) and builds skills for the students about the publishing process, editorial review and writing (intakes 4 students/year; 2016-ongoing)
4. Successfully completed Cumming School of Medicine Leadership training. This 6-day leadership course is offered over 6 months and includes a cap-stone project. The participants are selected by the School leadership. University of Calgary (2017).
5. Successfully completed a 6-week course “Personal Effectiveness in the Academy”. University of Calgary (2015).
6. Initiated and contributed to healthcare policy blog ([www.harknessonthewestcoast.org](http://www.harknessonthewestcoast.org))
7. Developed and secured funding to host 4 policy roundtables for the Harkness fellows. These events were opportunities for enhanced US healthcare policy exposure, engaged networking across fellow-mentor dyads and collaboration between fellows to produce a written deliverable. Topics included Affordable Care Act, Accountable Care Organizations, High-performing medical practices and Patient engagement within healthcare systems. (2015)
8. Successfully completed a 6-week course “Achieving Impact with Research Findings in US Healthcare Policy”. (2015)
9. Journal peer-review: JAMA Internal Medicine, Stroke, Applied Health Economics and Policy Research, Health Economics, Journal of General Internal Medicine, Canadian Medical Association Journal, Journal of the American Medical Association, BMJ Quality and Safety
10. Editorial roles:
  - JAMA Internal Medicine Section Editor (2015-present)
  - PLOS ONE Academic editor (2014-2015)
11. Review Panels:
  - CIHR Foundation review panel (stage 1) (2017)
  - Alberta Innovates Health Solutions Graduate Studentship Review Panel (2016-present)
  - Canadian Association of Health Services and Policy Research Scientific Abstract Review Committee (2014-present)
  - Michael Smith Foundation for Health Research Training Fellowship Panel (2016)
  - Canadian Institutes for Health Research Knowledge Synthesis Grant Review Panel (2013-2016)

- Department of Community Health Sciences Graduate Student Admission Panel (2013-2015)
- Alberta Innovates Health Solutions Summer Studentship Review Panel (2013-2015)
- Health Technology Assessment International Scientific Abstract Review Committee (2014)

#### 12. Committees:

- Real World Evidence Consortium, operational co-chair (2018-ongoing)
- International Steering Scientific Planning Committee for Health Technology Assessment International Annual Symposium (2018 meeting)
- Physician Resource Planning Committee, Technical Working Group. Advisory committee to the Steering Committee to plan the number, types and locations of new physician recruits in the province. (May 2017-present)
- Alberta Blue Cross Expert Committee on Drug Evaluation and Therapeutics. Advisory committee to the Alberta Blue Cross to support evidence-informed formulary and cost-containment drug policy. (Sept 2016-present)
- Alberta Advisory Committee on Technology in Health. Advisory committee to the Minister of Health to support evidence-informed funding decisions for non-drugs technologies. (2012-present)
- Search and Selection committee for Assistant Professor in Healthcare Policy, Community Health Sciences (2016)
- Search and Selection committee for Assistant Professor in the School of Public Policy (2016)
- Search and Selection committee for Department Head of Community Health Sciences (2014)
- Search and Selection committee for Assistant Professor in Health Economics, Community Health Sciences (2014)

#### 13. Non-peer-reviewed writing:

- Eating weed gummies at work? Marijuana rules may take a decade to sort out. Conversation Canada ([theconversation.com](http://theconversation.com)). Published Jan 10, 2018. 8,488 readers
- Alberta's Natural Resource: Pot or Oil? The Globe and Mail. Published Jan 25 2018. 7th trending article of the day.