

## Andrew P. Costa, PhD

### ADDRESS

Department of Health Research Methods, Evidence, and Impact  
(formerly "Clinical Epidemiology and Biostatistics")

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### EDUCATIONAL BACKGROUND

#### Degrees and Diplomas

2013 PhD, Aging, Health and Well-being, University of Waterloo

2007 BSc (Hons), Health Science, University of Waterloo

#### Other Specialized Training

2013 - 2014 CIHR Post-Doctoral Fellow, Institute for Clinical Evaluative Sciences (Sunnybrook Health Sciences), Mount Sinai, University of Toronto, Toronto, Ontario, Canada

### CURRENT STATUS AT MCMASTER

2014 - present Assistant Professor & Schlegel Chair in Clinical Epidemiology and Aging, Health Research Methods, Evidence and Impact, Faculty of Health Sciences, McMaster University

2014 - present Associate Member, Medicine, Faculty of Health Sciences, McMaster University

### PROFESSIONAL ORGANIZATIONS

2016 - present Institute for Clinical Evaluative Sciences (ICES), Adjunct Scientist

2016 - present McMaster Institute for Research on Aging (MIRA), Member

2015 - present Geriatric Emergency Medicine Practice Committee, Canadian Association of Emergency Physicians (CAEP), Member

2015 - present Geriatric Emergency Medicine Special Interest Group, International Federation of Emergency Medicine, Member

2015 - present McMaster Health Forum, McMaster University, Adjunct Faculty

2014 - present Centre for Health Economics and Policy Analysis (CHEPA), McMaster University, Member

2014 - present Schlegel Research Institute on Aging, Member

2014 - present	interRAI ( <a href="http://www.interrai.org">www.interrai.org</a> ), Fellow (Full)
2010 - present	Canadian Association for Health Services and Policy Research (CAHSPR), Member
2009 - present	Canadian Association on Gerontology (CAG), Member

## EMPLOYMENT HISTORY

### McMaster Appointments

2017 - 2020	Assistant Professor, Health Research Methods, Evidence and Impact, Special, Faculty of Health Sciences
2017 - 2020	Associate Member, Medicine, Faculty of Health Sciences
2017 - 2019	Schlegel Chair in Clinical Epidemiology and Aging, Faculty of Health Sciences
2014 - 2017	Schlegel Chair in Clinical Epidemiology and Aging, Faculty of Health Sciences
2014 - 2017	Assistant Professor, Health Research Methods, Evidence and Impact, Special, Faculty of Health Sciences
2014 - 2017	Associate Member, Medicine, Faculty of Health Sciences
2013 - 2014	Assistant Professor (Part-Time), Medicine, Part Time, Faculty of Health Sciences

### Other Academic Appointments

2017 - present	Research Director, Michael G. DeGroot School of Medicine, Faculty of Health Sciences, McMaster University, Waterloo Regional Campus, Kitchener, Ontario, Canada
2017 - present	Adjunct Scientist, Institute for Clinical Evaluative Sciences (ICES), McMaster University
2016 - present	Lead Scientist, Big Data & Geriatric Models of Care Research Cluster, Department of Clinical Epidemiology & Biostatistics, Faculty of Health Sciences, McMaster University, Hamilton, Ontario, Canada
2015 - present	Adjunct Assistant Professor (SGS Associate Membership), Institute of Health Policy, Management and Evaluation, Dalla Lana School of Public Health, University of Toronto, Toronto, Ontario, Canada
2013 - 2017	Research Lead (UGME & PGME), Michael G. DeGroot School of Medicine, Faculty of Health Sciences, McMaster University, Waterloo Regional Campus, Kitchener, Ontario, Canada
2013 - 2015	Adjunct Assistant Professor, School of Public Health and Health Systems, Department of Health Studies, Faculty of Health Sciences, University of Waterloo, Waterloo, Ontario, Canada
2013 - 2014	Post-Doctoral Fellow, Institute for Clinical Evaluative Sciences, Institute of Health Policy, Management and Evaluation, University of Toronto, & Mount Sinai Hospital, Toronto, Ontario, Canada
2012 - 2013	Research Lead (UGME), Michael G. DeGroot School of Medicine, Faculty of Health Sciences, McMaster University, Waterloo Regional Campus, Kitchener, Ontario, Canada
2008 - 2013	Research Associate, iDEAS for Health, Faculty of Health Sciences, University of Waterloo, Waterloo, Ontario, Canada
2012	Visiting Scholar, Centre for Research in Geriatric Medicine & Centre for Online Health, School of Medicine, University of Queensland, Queensland, Australia
2007 - 2008	Research Associate, Homewood Research Institute, Guelph, Ontario, Canada
2006 - 2007	Research Associate, Department of Health Studies and Gerontology, University of Waterloo, Waterloo, Ontario, Canada

## SCHOLARLY AND PROFESSIONAL ACTIVITIES

### Research Committees

2016 - present	Steering Committee, Retirement Homes Regulatory Authority (RHRA) Risk and Regulation Framework
2016 - present	Steering Committee Member, eHealth Centre of Excellence, WW LHIN, System Coordinated Access (SCA) Benefits Evaluation
2016 - present	Advisory Board, Samson Institute for Ageing Research (SIFAR), Univeristy of Cape Town, Cape Town South Africa
2015 - present	Co-Chair, Continuing Care Working Group, Canadian Longitudinal Study on Aging (CLSA)
2011 - present	Chair, Emergency Department Working Group, interRAI Network of Excellence in Acute Care
2011 - present	Steering Committee, interRAI Network of Excellence in Acute Care
2016 - 2017	Steering Committee. Innovation eMpowering Patients And Caregivers through Technology (IMPACT) Centre for Technology Implementation in Home Care, Champlain CCAC
2013 - 2016	Heart Failure Working Group, Ontario Cardiac Care Network
2011 - 2012	Home Care Scientific Committee, Health Quality Ontario

### Educational Positions

2017 - present	Research Director, Michael G. DeGroote School of Medicine, Faculty of Health Sciences, McMaster University, Waterloo Regional Campus, Kitchener, Ontario, Canada
2017 - present	Member, McMaster Medical Student Research Education Advisory Council Michael G. DeGroote School of Medicine, McMaster University
2016 - present	Admissions Committee, McMaster University, Graduate Diploma in Clinical Epidemiology (GDCE) Program, Department of Health Research Methods, Evidence, and Impact, McMaster University
2016 - present	Admissions Committee, Health Research Methodology (HRM) PhD Program, Department of Health Research Methods, Evidence, and Impact, McMaster University
2014 - present	Chair, Waterloo-Wellington Clinical Research and Quality Improvement Conference McMaster University, Waterloo Regional Campus
2012 - present	Executive Committee, Michael G. DeGroote School of Medicine, Waterloo Regional Campus, McMaster University

### Journal Referee

2016 - present	Canadian Journal of Emergency Medicine (CJEM)
2016 - present	Canadian Medical Association Journal (CMAJ)
2013 - 2017	Canadian Journal on Aging/La Revue Canadienne du Viellissement
2012 - 2017	BMC Health Services Research, Biomed Central
2016	BMC Emergency Medicine
2016	Advances in Health Sciences Education
2015	Health Reform Observer
2015	Internal & Emergency Medicine, Springer Publishing
2015	Canadian Geriatrics Journal
2015	Archives of Gerontology and Geriatrics, Elsevier Publishing
2014	Journal of General Internal Medicine, Springer Publishing
2013 - 2014	Canadian Journal of Nursing Research, McGill University Press

2011 - 2014 Healthcare Policy/Politiques de Sante, Longwoods Publishing  
 2013 Archives of Gerontology and Geriatrics, Elsevier Publishing  
 2012 Journal of the American Geriatrics Society, Wiley Publishing

**External Grant Reviews**

2017 - present College of Reviewers, Canadian Institutes of Health Research (CIHR)  
 2017 - 2018 Review Committee Member, Canadian Institutes of Health Research (CIHR),  
 Operating Grant: Secondary Data Analysis-Dynamic Cohorts  
 2017 - 2018 Review Committee Member, Canadian Institutes of Health Research (CIHR), CIHR  
 Doctoral Research Awards - B" committee  
 2017 Review Committee Member, Canadian Institutes of Health Research (CIHR),  
 Personalized Health Catalyst Grants – Predictive Analytic Models Research Area  
 2017 External Panel Member, The Netherlands Organization for Health Research and  
 Development (ZonMw) Memorabel Grant Programme  
 2016 - 2017 Review Committee Member, Canadian Institutes of Health Research (CIHR),  
 Innovative Clinical Trials (iCT) initiative. Multi-Year SPOR Innovative Clinical Trials  
 2016 Review Panel Member, Canadian Institutes of Health Research (CIHR), SPOR  
 Networks in Chronic Disease, Strategy for Patient-Oriented Research  
 2015 Ireland Health Research Board, External Reviewer, Health Research Awards (HRA)  
 Committee  
 2012 - 2014 Canadian Institutes of Health Research (CIHR), Review Panel Member, Review  
 Committee A of the Planning Grants and Dissemination Program

**Peer Review Activities**

2017 Levels of Care Committee, Newfoundland Department of Health and Community  
 Services  
 2016 Ministry of Health and Long-Term Care, Invited Panelist, Home Care Levels of Care  
 Framework(Patients First: A Roadmap to Strengthen Home and Community Care)  
 2016 Institutional (Service) Contributions, Session Moderator, 2016 Department of  
 Clinical Epidemiology & Biostatistics Research Day  
 2015 Office of the Auditor General of Onatrio, Advisor, Ontario Community Care Access  
 Centre (CCAC) Audit  
 2015 Ontario Ministry of Health and Long-term Care, Member, Frailty in Primary Care  
 Steering Committee  
 2015 Ministry of Health and Long-Term Care, Implementation Branch, Invited Participant,  
 Workshop on the development of a Levels of Care Framework for the delivery of  
 home and community care services in Ontario  
 2014 Health Quality Ontario, Member, Community Home Care and Patient Functionality  
 Quality Based Procedure (QBP) Panel  
 2014 Health Quality Ontario, Member, Community Care and Patient Functionality  
 Committee  
 2014 Ontario Hospital Association, Invited Panelist, OHA Mental Health ALC Policy  
 Roundtable  
 2013 - 2014 Hamilton Niagara Haldimand Brant LHIN, Expert Advisor/Collaborator, DIVERT  
 Home Care Project  
 2013 Ontario Hospital Association, Member, Ontario Health Links Conference Planning  
 Committee  
 2012 Hamilton Niagara Haldimand Brant LHIN, Advisor, Early Intervention Screening  
 Project for Primary Care and Emergency Departments  
 2012 Ontario Ministry of Health and Long term Care, Advisor, Transforming Home and  
 Community Care Project, Health Program Policy and Standards Branch

2011	BC Ministry of Health, Invited Participant, Integrated Primary and Community Care Steering Committee
2011	Ontario Ministry of Health and Long Term Care, Invited Panelist, Roundtable on Strategies for ALC and Long-Stay Specialty Populations
2011	Ontario Ministry of Health and Long-term Care, Invited Participant, Assisted Living Client Eligibility Working Session
2011	Ontario Alzheimer's Society, Invited Participant, Behavioural Support Systems Project Evaluation Framework Think Tank
2011	Heart and Stroke Foundation of Ontario, Invited Panelist, Patient Transitions Expert Panel
2011	Health Quality Ontario, Invited Panelist, Quality Monitor Report Home Care Expert Review Panel
2010	Ontario Hospital Association/Ontario Association of Community Care Access Centres, Analytic Lead, ALC Business Case: Potential for ALC Reduction via Additional/New CCAC Services
2010	Ministry of Health and Long-Term Care, Expert Advisor, Health System Planning & Research Branch, Health System Strategy Division
2010	Ministry of Health and Long-Term Care, Invited Panelist, ER-ALC Policy Roundtable Discussion on Optimizing Rehabilitation and Complex Continuing Care
2009	Ministry of Health and Long-Term Care, Invited Participant, ER-ALC Policy Roundtable Discussion on Improving Access to Emergency Care
2009	Ontario Seniors' Secretariat, Invited Participant, Retirement Homes and Assisted Living Legislation Expert Advisory Group

## AREAS OF INTEREST

### Research

1. Avoidable emergency department and acute care use among frail older adults
2. Chronic disease management in home and community care
3. Care of the elderly in the emergency department
4. Development and evaluation of elder care policy and service models
5. Geriatric risk assessment and decision-support systems
6. Pragmatic Trial Methods
7. Geriatric assessment systems
8. Development and evaluation of funding and performance systems in health care

### Teaching

1. Health Systems Theory & Analysis
2. Evidence-Based Medicine and Health Care
3. Aging & Canadian Health Care
4. Funding and Performance Systems in Health Care
5. Quantitative Methods in Health Services Research
6. 'Big Data' and Health Care
7. Clinical Decision Support Theory and Methods

## HONOURS AND AWARDS

2015	Canada Health Infoway (Health Canada), First Place Team, Data Impact Challenge
2015	Ontario Ministry of Health and Long-term Care, Honour Role (DIVERT Home Care Initiative), Minister's Medal Honouring Excellence in Health Quality and Safety
2014	McMaster University, Schlegel Chair in Clinical Epidemiology and Aging
2013	University of Waterloo, Outstanding Achievement in Graduate Studies Award
2013	Mount Sinai Hospital/UHN Department of Medicine, Toronto, Post-Doctoral Fellowship Award
2013	Institute of Health Policy, Management and Evaluation, University of Toronto, HSPRN Post-Doctoral Fellowship Award
2013	Canadian Institutes of Health Research, Post-Doctoral Fellowship Award
2012	Southern Ontario Geriatric Research Day, Top Prize Presentation
2011	Canadian Association on Gerontology Student Connection, Excellence in Research on Aging Award
2011	Canadian Institutes of Health Research - Institute of Aging, Age Plus Prize
2011	Canadian Institutes of Health Research Institute of Health Services and Policy Research, Rising Star Award
2010	Canadian Institutes of Health Research, Frederick Banting and Charles Best Canada Graduate Scholarship
2010	University of Waterloo, President's Scholarship
2010	University of Waterloo, Ontario Graduate Scholarship (Declined for CIHR CGS award)
2010	Canadian interRAI Conference, Innovation Award
2009	Federation of Portuguese-Canadian Business & Professionals, BMO Leadership Excellence Award
2009	Ontario Ministry of Health and Long-term Care Invitational Health Research Showcase, Capacity and Efficiency Research Stream, Best Presentation
2008	University of Waterloo, Faculty Graduate Scholarship
2008	University of Waterloo, Kenneth G. Murray Graduate Scholarship in Aging, Health and Well-being
2007	University of Waterloo, Senate Graduate Scholarship
2006	University of Waterloo, Hallman Undergraduate Research Fellowship
2003	University of Waterloo, Staff Association Award

## COURSES TAUGHT

### **Undergraduate Teaching**

#### Bachelor of Health Sciences (Hons.)

2015 Jul - 2016 Jun Inquiry Supervisor, 3H03, course (1)

#### Undergraduate Medical

2013 Jul - 2017 Jun Research Contributor, occasion (40)

2013 Jul - 2017 Jun Research Lead, Waterloo, year (4)

2014 Jul - 2016 Jun Presenter, Teaching Session, occasion (8)

2014 Jul - 2016 Jun Student Advisor, student per year (11)

2014 Jul - 2016 Jun Supervisor, Block Elective, week (9)

2014 Jul - 2015 Jun Curriculum Contributor, year (1)

## **Graduate Teaching**

### e-Health MSc Program

2016 Jul - 2017 Jun           Lecturer, occasion (1)

### Graduate Diploma in Clinical Epidemiology

2015 Jul - 2018 Jun           Member, Admissions Committee, year (3)

### Health Research Methodology

2016 Jul - 2017 Jun           Member, Transfer Committee, year (1)

2016 Jul - 2017 Jun           Member, Admissions Committee, PhD, year (1)

## **Postgraduate Teaching**

### Internal Medicine and its subspecialties

2015 Jul - 2016 Jun           Advisor/Mentor, Resident, resident per year (1)

2015 Jul - 2016 Jun           Facilitator/Resource, Clinical Teaching Unit, session (6)

2015 Jul - 2016 Jun           Resource Person, Academic Half-Day, occasion (2)

2015 Jul - 2016 Jun           Supervisor, Non Clinical Elective (horizontal), week (4)

### Psychiatry and its subspecialties

2014 Jul - 2016 Jun           Coordinator, Journal Club, session (10)

2014 Jul - 2016 Jun           Facilitator/Resource, Journal Club, session (10)

2015 Jul - 2016 Jun           Supervisor, Non Clinical Elective (block), week (2)

## **Additional Educational Contributions**

2017 - present                Course Coordinator and Instructor - PGY-1 Internal Medicine Evidence-based Medicine Workshop Series (4 learners), Postgraduate Internal Medicine Program, Michael G. DeGroot School of Medicine, Waterloo Regional Campus, McMaster University, Fall Session (1)  
Co-Instructors: Joanne Ho, Sophiya Benjamin

2016 - present                Coordinator and Instructor - Evidence-based Internal Medicine Workshop Series (4 UGME and PG learners per session)  
Internal Medicine Clinical Teaching Unit (CTU)  
Grand River Hospital, Kitchener Ontario  
Full-year intermittent (1)

2014 - present                Course Coordinator and Instructor - Evidence-based Psychiatry Workshop Series (8 learners)  
Postgraduate Psychiatry Program,  
Michael G. DeGroot School of Medicine, Waterloo Regional Campus,  
McMaster University  
Full-year intermittent (1)

2014 - present                Course Coordinator and Instructor - Evidence-based Medicine Journal Series (Workshop Series) (30 learners)  
Undergraduate Medicine Program,  
Michael G. DeGroot School of Medicine, Waterloo Regional Campus,  
McMaster University  
Winter Session (1)

2014 - 2014	HSG 620: Special Topics – Survival Analyses (single MSc student) School of Public Health & Health Systems MSc Program, University of Waterloo, Waterloo, Ontario (1)
2014 Sep - 2014 Dec	Co-Instructor - HTH SCI 2G03: Epidemiology (247 students) Bachelor of Health Sciences (Hons.) Program Fall 2014, McMaster University, Hamilton Ontario Co-Instructors (66% of lectures): Andrew Mente, Russell deSouza (1)
2013 Sep - 2013 Dec	HLTH/GERON 201 (Fall 2013): Aging and Health (227 students) BSc Health Studies Program School of Public Health and Health Systems University of Waterloo, Waterloo, Ontario Co-Instructor (50% of lectures): George Heckman, MD, MSc (1)

## CONTRIBUTIONS TO TEACHING PRACTICE

### Course/Curriculum Development

2017 - present	PGY-1 Internal Medicine Evidence-based Medicine Workshop Series Postgraduate Internal Medicine Program, Michael G. DeGroot School of Medicine, Waterloo Regional Campus, McMaster University Fall Session (Graduate and Postgraduate Medical)
2014 - present	Evidence-based Psychiatry Workshop Series Postgraduate Psychiatry Program, Michael G. DeGroot School of Medicine, Waterloo Regional Campus, McMaster University Full-year intermittent (Graduate and Postgraduate Medical)
2013 - present	Evidence-based Medicine Journal Series (Workshop Series) Undergraduate Medicine Program, Michael G. DeGroot School of Medicine, Waterloo Regional Campus, McMaster University Winter Term (Graduate and Postgraduate Medical)

### Development/Evaluation of Educational Materials

2017	Research Resources Webpage, Michael G. DeGroot School of Medicine, Waterloo Regional Campus, McMaster University <a href="https://wrcresearch.mcmaster.ca">https://wrcresearch.mcmaster.ca</a>
2016	Costa, A.P. EBM Quick Reference Guide: Concepts in Clinical Epidemiology/Evidence-based Medicine (EBM), Michael G. DeGroot School of Medicine, Waterloo Regional Campus, McMaster University <a href="https://wrcresearch.mcmaster.ca/evidence-based-medicine/">https://wrcresearch.mcmaster.ca/evidence-based-medicine/</a>



## **Innovation**

- 2017 Ashbourne, J.; Lew, B.; Campbell, G.; Costa, A.P. MacPAGE: Developing the McMaster Passport for Education on Ageing. Canadian Geriatrics Society Annual Scientific Meeting – Toronto, Ontario, April 22nd 2017 & Canadian Association on Gerontology Annual Scientific and Education Meeting – Winnipeg, Manitoba, October 20<sup>th</sup> 2017.
- Bakker, D; Singh, P; Kinzie, S; Oliver, D; Swayze, K; Niec, A ; Kam, A; Costa, A.P. Family Medicine Resident Wellness: Measuring the effect of a mindfulness-based stress reduction program. 2017 Canadian Conference on Medical Education. Winnipeg, Manitoba, Canada.
- 2014 Costa, A.P.; Morris, C.M. A Model for Research Education in a Distributed Medical Campus. Practical Approaches Toward a Culture of Scholarship at McMaster's Waterloo Regional Campus. Canadian Conference on Medical Education. Ottawa, Ontario. April 27th, 2014. Poster Presentation.
- 2014 Rosenbaum, D.M., Costa, A.P.; Morris, C.M.; Buckley, N., Coulston, B., Ellis; J. Developing an undergraduate inter-professional education program in pain. Canadian Conference on Medical Education. Ottawa, Ontario. April 27th, 2014. Poster Presentation.
- 2014 Mountjoy, M.; Costa, A.P. McMaster University Physician Wellness Week. Canadian Conference on Medical Education. Ottawa, Ontario. April 27th, 2014. Poster Presentation.

## **Leadership**

- 2017 - present Editor, McMaster Evidence-based Medicine Case Report Journal (EBM-CR), ISSN2561-4339, Faculty of Health Sciences, McMaster University, <https://ebmcr.mcmaster.ca/>
- 2017 - present Research Director, Michael G. DeGroot School of Medicine, Faculty of Health Sciences, McMaster University, Waterloo Regional Campus, Kitchener, Ontario, Canada
- 2017 - present Admissions Committee, Health Research Methodology (HRM) PhD Program, Department of Health Research Methods, Evidence, and Impact, McMaster University
- 2017 - present Member, McMaster Medical Student Research Education Advisory Council
- 2016 - present Admissions Committee, CE&B Graduate Diploma in Clinical Epidemiology (GDCE) Program, Department of Health Research Methods, Evidence, and Impact, McMaster University
- 2016 Interview & Selection Panel, Director of Research and Scholarship, Undergraduate Medical Program, Michael G. DeGroot School of Medicine, McMaster University
- 2014 Inaugural Chair, McMaster Waterloo-Wellington Clinical Research and Quality Improvement Conference. McMaster University, Waterloo Regional Campus.
- Development and Management of a regional clinical research and quality

improvement conference involving other Universities (Waterloo, Laurier, Guelph), Hospitals (Grand River Hospital, St. Mary's Hospital, Cambridge Memorial Hospital), and independent clinicians.

- Part of the McMaster PG Medicine and Facility Medicine Quality Improvement Presentations.

2013  
Inaugural Research Lead, Michael G. DeGroot School of Medicine, McMaster University, Waterloo Regional Campus

- Development of a UGME and PGME Parallel Curriculum for Research and Evidence-based Medicine (e.g., Evidence-based Medicine Workshop series)

**Other**

2017 Nov  
Guest Lecture:  
HRM 724 (Fall 2017): Fundamentals of eHealth and the Canadian Health Care System  
eHealth MSc Program  
Session 12: Big Data and Large Data--population studies and data mining  
McMaster University, Hamilton, Ontario

2016  
Session Moderator, 2016 CE&B Research Day

2016 Nov  
Guest Lecture:  
HRM 724 (Fall 2016): Fundamentals of eHealth and the Canadian Health Care System  
eHealth MSc Program  
Session 12: Big Data and Large Data--population studies and data mining  
McMaster University, Hamilton, Ontario

2015 Nov  
Guest Lecture:  
HRM 724 (Fall 2015): Fundamentals of eHealth and the Canadian Health Care System  
eHealth MSc Program  
Session 9: Big Data and Large Data--population studies and data mining  
McMaster University, Hamilton, Ontario

2013 Nov  
Guest Lecture:  
HLTH 245 (Winter 2013): The Canadian Health Care System.  
Session 8: Emergency Departments in Canadian Health Care – History, Role, and Innovations.  
BSc Health Studies Program, School of Public Health and Health Systems, University of Waterloo, Waterloo, Ontario

2011 Apr  
Guest Lecture:  
HSG 750 (Winter 2011): Aging, Health and Well-Being Research Seminar  
Session 5: Older Adults in Emergency Departments.  
School of Public Health & Health Systems MSc Program,  
University of Waterloo, Waterloo, Ontario

2011 Mar  
Guest Lecture:  
HLTH 400/HSG620 (Fall 2011): Advanced Seminar on Aging.  
Older Adults in Inpatient and Emergency Care: Policy and Practice Implications.

School of Public Health & Health Systems MSc Program,  
University of Waterloo, Waterloo, Ontario

2010 Jan

Guest Lecture:  
HLTH 400/HSG620 (Fall 2010): Advanced Seminar on Aging.  
Frail Older Persons in Canadian Hospitals.  
BSc Health Studies Program, School of Public Health and Health Systems,  
University of Waterloo, Waterloo, Ontario

## **SUPERVISORSHIPS**

### **Primary Supervisory**

2017 - present

MSc Thesis Primary Supervisor – Dr. Mats Junek  
Topic: “Collaborative Care Models in the Community: Classification and Influence on Health Outcomes”. Health Research Methodology MSc Program, Department of Health Research Methods, Evidence, and Impact, McMaster University

2016 - present

PhD Thesis Primary Supervisor - Aaron Jones  
Topic: “Chronic Disease Management in Home Care”.  
Health Research Methodology PhD Program  
Department of Health Research Methods, Evidence, and Impact, McMaster University  
Awards: Canadian Frailty Network (CFN) Interdisciplinary Fellowship, 2017-18;  
Best Poster, 2017 CAHSPR Annual Meeting.

2016 - present

MSc Thesis Primary Supervisor - Daniel Hirdes  
Topic: “Mental Health Screening by Police”.  
E-Health MSc Program, McMaster University  
Awards: 2017 Ontario Health Technologies Fund (\$498,000)

2015 - present

PhD Thesis Primary Supervisor - Charlene Rae  
Topic: “Development of performance Indicators for Adult and Youth Cancer”  
Health Research Methodology PhD Program  
Department of Health Research Methods, Evidence, and Impact , McMaster University

2015 - present

PhD Thesis Primary Supervisor - Matthew Leyenaar  
Topic: “Models of Community Paramedicine for Frail Seniors”.  
Health Research Methodology PhD Program  
Department of Health Research Methods, Evidence, and Impact , McMaster University  
Awards: Technology Evaluation in the Elderly Network (TVN) Interdisciplinary Fellowship, 2016-17; CIHR Institute of Aging Summer Program Award, 2016; MITACs Research Award, 2017-18

### **Supervisory Committees**

2017 - present

PhD Supervisory Committee member – Derek Manis  
Topic: “HIV among for Frail Seniors”.  
Health Policy PhD Program, McMaster University

2016 - present	PhD Supervisory Committee member – Amilcar Azamar-Alonso Topic: “Economic Evaluation of HIV Medications in Mexico using the SALIVAR Database”. Health Policy PhD Program, McMaster University
2016 - present	Supervisory Committee member. Dr. Mohamed Alarakhia MD, CCFP Topic: Enabling Technologies (eHealth) Masters in Health Information Science, University of Victoria Current job title: Director, The Centre for Family Medicine FHT eHealth Centre of Excellence; Enabling Technologies (eHealth) Physician Lead, Waterloo Wellington LHIN
2016 - 2017	MSc Thesis Committee Member - Nick Quinn Topic: “Informal care in homecare” Master of Public Health Program
2016 - 2017	MSc Thesis Committee Member - Joyce HT Chan Topic: “Community Paramedice Programs”. Master of Public Health Program
2014 - 2015	MSc Thesis Committee Member - Matthew Leyenaar Topic: “Using Geo-Spatial Analysis for Effective Community Paramedicine”. Department of Geography, McMaster University
2014 - 2016	Nurse Practitioner Thesis Committee Member - Sally Baerg Topic: “The Role of UTIs in Multiple Emergency Department Use among Home Care Clients” York University
2014 - 2016	MSc Thesis Committee Member - Robert Smith Topic: “Health Equity among Older Medical Inpatients”. Institute of Health Policy, Management and Evaluation, University of Toronto Awards: CIHR Canada Graduate Scholarships-Master’s Program; Mount Sinai Hospital Graduate Studentship
2016	MA External Examiner - Jake Davidson Topic: “Examining Quality Indicator Rates for Older Home Care Clients with Dual Sensory Impairment (DSI) and Exploring the Heterogeneity within DSI.” Master of Science program in Kinesiology (Dr. Dawn Guthrie) Wilfred Laurier University, June 2016
<b>Electives, Other</b>	
2017 Aug - 2017 Aug	Research Elective Supervisor. Victoria Elizabeth McKinnon (class of 2019) Topic: “A Systematic Review of Assessment Tools for Plastic Surgery Trainees” Michael G. DeGroot School of Medicine, McMaster University
2016 - 2017	Primary Supervisor (with Research Elective). Emma Scotchmer (class of 2018) Topic: “Association between Quality of Care and LTC Physician Practice Patterns” Michael G. DeGroot School of Medicine, McMaster University
2017 Mar - 2017 Mar	Research Electives Supervisor. Olivia Dorothy Geen (Class of 2017, Track 1) Topic: “Cross-sectional survey of disease prevalence in a poor community,

	Peru” Michael G. DeGroot School of Medicine, McMaster University
2017 Feb - 2017 Feb	Reading Elective Supervisor. Kallirroi Laiya Carayannopoulos (Class of 2017) Topic: “Clinical Epidemiology and EBM” Michael G. DeGroot School of Medicine, McMaster University
2017 Feb - 2017 Feb	Research Electives Supervisor. Eli Bator (Class of 2017 Clerk, Track 11) Topic: “Medical Students Views on Physician Assisted Death: A Cross sectional Study” Michael G. DeGroot School of Medicine, McMaster University
2017 Feb - 2017 Feb	Research Electives Supervisor. Joanne Esther Kearon (Class of 2017 Clerk, Track 15) Topic: “Publishing - Perinatal Care in Matangwe Kenya” Michael G. DeGroot School of Medicine, McMaster University
2017 Feb - 2017 Feb	Reading Electives Supervisor. Tsz Chun Calvin Tsui (Class of 2017) Topic: “Evidence-based Medicine Core Epidemiology” Michael G. DeGroot School of Medicine, McMaster University
2017 Feb - 2017 Feb	Reading Electives Supervisor. Michaela Stephanie Ondrejicka (Class of 2017, Track 11) Topic: “Evidence-based Medicine Core Epidemiology” Michael G. DeGroot School of Medicine, McMaster University
2017 Feb - 2017 Feb	Reading Electives Supervisor. Kallirroi Laiya Carayannopoulos (Class of 2017) Topic: “Evidence-based Medicine Core Epidemiology” Michael G. DeGroot School of Medicine, McMaster University
2017 Jan - 2017 Feb	Research Electives Supervisor. Alison Khetha Van Geest Mikelsons (Class of 2017, Track 15) Topic: “Perinatal Care in Matangwe Kenya” Michael G. DeGroot School of Medicine, McMaster University
2017 Jan - 2017 Feb	Research Electives Supervisor. Benedict Darren (Class of 2017, Track 9) Topic: “Admissions policies in Canadian medical schools for applicants with disabilities” Michael G. DeGroot School of Medicine, McMaster University
2014 - 2017	Primary Research Supervisor. Dr. Evelyn Cheung, MD (Internal Medicine) Topic: “Risk Factors for the onset of Delirium in Nursing Homes”. Department of Medicine, McMaster University Awards: Honourable Mention, 2017 McMaster Medicine Research Day
2015 - 2016	Research Electives Supervisor. Jennifer Kay Sommers, Rihana Roeper, Alexandra Bite (Class of 2017) Topic: “The Role of Multidisciplinary Health Professionals in the Education of Medical Students”. Michael G. DeGroot School of Medicine, McMaster University Awards: Medicine/Undergraduate MD Program Medical Student Research

	Award, Department of Medicine, McMaster University
2016 Dec - 2016 Dec	Research Electives Supervisor. Daniel Chan (Class of 2015) Topic: "Critically Ill Patients in the Emergency Department: Evaluating the Factors Affecting Patient Outcomes" Michael G. DeGroot School of Medicine, McMaster University
2016 Mar - 2016 Dec	Primary Supervisor (with Research Elective). Alison Castle (Class of 2017) Topic: "Geriatric IPE Competencies". Elective: 01-Feb-2016 - 29-Feb-2016 Michael G. DeGroot School of Medicine, McMaster University
2016 Aug - 2016 Aug	Research Electives Supervisor. Alison Khetha Van Geest Mikelsons (Class of 2017) Topic: "Perinatal Care in Matangwe Kenya" Michael G. DeGroot School of Medicine, McMaster University
2016 Aug - 2016 Aug	Research Electives Supervisor. Jennifer Joanne Kays Sommer (Class of 2017) Topic: "The Role of Non-Physician Health Care Professionals in the Education of Medical Students at Satellite Campuses" Michael G. DeGroot School of Medicine, McMaster University
2015 Sep - 2016 Apr	BHSc 3H03 supervisor - Kaiwen Song Topic: Evaluating Meaningful Activities in Nursing Homes Bachelor of Health Sciences (Hons.) Programme McMaster University, Hamilton ON
2016 Jan - 2016 Jan	Primary Supervisor (with Research Elective). Ioana Cozma (Class of 2016) Topic: "Pain IPE Evaluation". Michael G. DeGroot School of Medicine, McMaster University
2014 - 2015	Primary Research Supervisor. Thomas Muir, MD (Psychiatry) Topic: "Metabolic Monitoring Rates of Atypical Antipsychotics in Family Medicine". Department of Psychiatry and Behavioural Neurosciences, McMaster University
2014 - 2015	Primary Research Supervisor. Tristan Snider, MD (Emergency Medicine) Topic: "Comfort with Geriatric Emergency Medicine Competencies". Department of Emergency Medicine, University of Toronto Awards: Canadian Association of Emergency Physicians 2015 Research Award
2014 - 2015	Primary Research Supervisor. Natasha Snelgrove, MD (Psychiatry) Topic: "Discharging patients admitted for acute psychiatric stabilization in Guelph: caring for their needs in the community". Department of Psychiatry and Behavioural Neurosciences, McMaster University
2014 - 2015	Research Mentor. Neil Dattani, MD (Emergency Medicine) Topic: "Opioid administration to elderly patients between rural and urban emergency departments".

Department of Emergency Medicine, University of Toronto

- 2014 - 2015 MSc Thesis Committee Member – Vishaka Chetram  
Topic: “Non-invasive jugular venous pressure point of care device to diagnose and assess heart failure in long term and primary care”.  
School of Public Health and Health Systems, University of Waterloo
- 2014 - 2015 Research Electives Supervisor. Alyson Osborne (Class of 2015)  
Topic: “Examining referral Patterns to Specialized Geriatric Services in a Community Hospital”. Michael G. DeGroot School of Medicine, McMaster University
- 2014 - 2015 Research Electives Supervisor. Samuel Xu (Class of 2015)  
Topic: “Adoption of Dose-Escalated Prostate Radiotherapy at Grand River Regional Cancer Centre.” Michael G. DeGroot School of Medicine, McMaster University
- 2015 Nov - 2015 Nov Primary Supervisor (with Research Elective). Timothy George Rudd (Class of 2016)  
Topic: “Metabolic Monitoring Rates of Atypical Antipsychotics in Family Medicine”.  
Michael G. DeGroot School of Medicine, McMaster University
- 2014 - 2014 Research Electives Supervisor. Ammar Karulah (Class of 2015)  
Topic: “Measuring Frailty Among Older Adults in Primary Care”. Michael G. DeGroot School of Medicine, McMaster University
- 2013 - 2014 Research Electives Supervisor. Christopher Charles, Liam Jackson (Class of 2016, 2015)  
Topic: “Sepsis prevention in the Grand River Hospital Emergency Department”. Michael G. DeGroot School of Medicine, McMaster University
- 2013 - 2014 Research Electives Supervisor. Zamin Ladha (Class of 2015)  
Topic: “Evaluation of the McMaster Medical Student Wellness Initiative: A Prospective Cohort Design”. Michael G. DeGroot School of Medicine, McMaster University
- 2013 - 2014 Research Electives Supervisor. Jessica Ngan (Class of 2014)  
Topic: “Relationship between MoCA scores and the transition from MCI to dementia in a primary care memory clinic”. Michael G. DeGroot School of Medicine, McMaster University
- 2013 - 2014 Research Electives Supervisor. Dan Rosenbaum (Class of 2015)  
Topic: “Prospective Evaluation of the Pain IPE Educational Initiative”. Michael G. DeGroot School of Medicine, McMaster University
- 2013 - 2014 Research Electives Supervisor. Karalyn Dueck of (Class 2014)  
Topic: “The profile of LTC residents in emergency departments: Results from the MOPED Study”. Michael G. DeGroot School of Medicine, McMaster

## University

- 2013 - 2014 Co-Supervisor. Jordan Farag, Gordon Locke (Class of 2015, 2016)  
Topic: "Retrospective cohort study of patients with esophageal cancer treated with trimodality comparing the pre PET era to the post pet era". Michael G. DeGroot School of Medicine, McMaster University
- 2013 - 2014 MSc Thesis Committee Member - Jennifer Bucek  
Topic: "Preventing ED use among community-dwelling older adults".  
School of Public Health and Health Systems, University of Waterloo
- 2012 - 2013 HLTH 432 Supervisor - Jennifer Bucek  
Topic: "Fall-Related Emergency Department Presentations among Older Adults".  
School of Public Health and Health Systems, University of Waterloo

## RESEARCH FUNDING

### Grants Peer Reviewed (Primary Investigator's names are underlined)

- 2018 - 2020 Costa AP, Schumacher C. ACTivation on Unstable Chronic Disease Program: Educating and Training Caregivers in the General Management of Unstable Chronic Diseases. Ontario Ministry of Health and Long-Term Care, Caregiver Education and Training Program, Education - New Project, \$445,567.00
- 2017 - 2021 Sveistrup H, McGilton K, Boscart V, Bronskill S, Heckman G, Walker P, Tanuseputro P, Wodchis W, Bethell J, Cameron J, Costa AP, Dupuis S, El Bestawi M, Ghogomu E, Grinman M, Grunier A, Hirdes J, Hsu A, Jacobs J, Kobewka D, Manuel D, Maxwell C, Mitchell S, Patrick J, Ploeg J, Shea B, Sidani S, Welch V. Ontario QUILT Network (QUality for Individuals who require Long-Term support): Informing health system reform for community and long-term care. Ontario Ministry of Health and Long-Term Care, Health System Research Fund (HSRF), Research - New Project, \$2,085,701.00
- 2017 - 2020 P. Hebert, A.P. Costa; A. Garland; G. Heckman; J. Hirdes; Ramsey; D. Feeney; D. While; H. Keller; J. Downar; J. Kotecha; L. Lee; L. Mitchell; M. Emond; M. Grinman; P. Quail; R. McKelvie; S. Bronskill, Better tArgetting, Better outcomes for frail ELderly patients (BABEL), Grant, Canadian Frailty Network (CFN-NCE), Grant, Transformative Grant Interim Funding, Research - New Project, \$1,600,000.00
- 2017 - 2020 Stolee, P, Giguère, A., Rockwood, K., Sims-Gould, J., Suter, E, Boscart, V., Costa, A., Elliott, J., Forbes, D., Hanson, H., Heckman, G., Holroyd-Leduc, J., Kuspinar, A., Meyer, S., McMurray, J., Theo, O., Witteman, H., Hajizadeh, M., Isaranuwachai, W., Baker, G.R., Byrne, K., Burns, C., Grindrod, K., Juneau, L., Giosa, J., Transforming primary health care for frail elderly Canadians, Grant, Grant, Canadian Frailty Network (CFN-NCE) Transformative Grant, Research - New Project, \$2,557,818.00
- 2017 - 2020 Agarwal, G, Costa, AP; Price, D; Wellsford, M; Mangin, D; Howard, M; Griffith, L; McLeod, B; Richardson, J; Pirrie, M; Tavares, W, Improving Healthcare Utilization by Frequent 911 Callers: The Community Paramedicine at Home. (CP@home) Trial, Grant, Canadian Institutes of Health Research, \$462,824.00
- 2016 - 2020 Costa, A.P., C. Bell; D. Feeney; G. Agarwal; G. Heckman; J. Hirdes; L. Lee; L. Mitchell; P. Hebert; R. McKelvie; S. Bronskill; S. Sinha; V. Boscart, The DIVERT-



- CARE (Collaboration Action Research & Evaluation) Study: A Multi-provincial Pragmatic Trial of Cardio-Respiratory Management in Home Care., Grant, Canadian Institutes of Health Research (CIHR), CIHR Project Scheme (March 2016), Research - Clinical Trials, \$688,000.00
- 2016 - 2020 Emond, M, Aubertin, MC; Berg, KO; Bissonnette, L; Daoust, R; Eagles, D; Elazhary, N; Lang, ES; Lee, JS; Provencher, V; Salbach, N; Sirois, MJ; Brousseau, A; Carpenter, CR; **Costa, AP**; de Wit, K; Giguère, A; Juneau, L; Lamontagne, M; Le Sage, N; Melady, D; Molnar, FJ; Morin, M; Ouellet, MC; Perry, JJ; Veillette, N; Wilding, LJ, Connecting Emergency Departments with Community services to prevent mobility losses in pre-frail & frail Seniors (CEDeCom), Grant, Canadian Institutes of Health Research (CIHR), Project Scheme (March 2016), Research - Clinical Trials, \$1,643,676.00
- 2015 - 2020 Raina P., Kirkland S.A., Wolfson C., Balion C., Chambers L., **Costa, A.P.**; Cynader M., Griffith L., Hogan D., Kobor M., Lathrop M., Liu-Ambrose T., Menec V., Mugford G., Paterson A., Patterson C., Payette H., Poulin M., Richards B., Shannon H., Sheets D., Taler V., Tuokko H., Wister A., Young L. et. al (+ 134 co-investigators), Canadian Longitudinal Study on Aging (CLSA) Follow-up 1, Grant, Canadian Institutes of Health Research (CIHR), Research - Renewal, \$41,600,000.00
- 2016 - 2019 Chertkow H, Anderson G, Borrie M, Dixon R, **Costa A**, Duchesne S, Fortier I, Gauthier S, Finlay B, Herrman N, Hofer S, Hogan D, Liu-Ambrose T, Maxwell C, Menec V, Naylor D, Phillips N, Rockwood K, Smith E, St. George-Hyslop P, Rosa-Neto P, Simard M, Tuokko H, Broad and Deep Analyses in Neurodegeneration (BRAIN)., Grant, canadian Institutes of Health Research Team Grant: Big Data on Dementia (2016-03-23), Research - New Project, \$689,160.00
- 2017 - 2018 **Costa, A**, Didyk, N., Heckman, G., Ho, J., Melady, D., Morris, C., Scotchmer, E., 'Make a New, Old Friend': An Experiential Education Program in Care of the Elderly for Medical Students, Grant, McMaster Labarge-FHS Education Grants, \$10,000.00
- 2016 - 2017 J Ho, MD; D Mangin, **A Costa**, G Guyatt, A Holbrook, R Mirza, J Richardson, J Lee, L Thabane, Optimal Prescribing to Enhance Mobility Among Seniors: A GeriMedRisk-TAPERMD collaboration., Grant, Labarge Optimal Aging Opportunities Fund, Research - New Project, \$96,500.00
- 2014 - 2017 Manual, DG.; Tanuseputro, P., Gruneir, A.; **Costa, A.P.**; Bronskill, S.; Welch, V.; Patrick, J., Predictors of Admission to Long-Term Care Facilities in the Population, Grant, CIHR Operating Grant (Winter competition), Research - New Project, \$254,211.00
- 2016 - 2017 **A.P. Costa**, A. Garland; G. Heckman; P. Hebert; J. Hirdes; Ramsey; D. Feeney; D. While; H. Keller; J. Downar; J. Kotecha; L. Lee; L. Mitchell; M. Emond; M. Grinman; P. Quail; R. McKelvie; S. Bronskill, The DIVERT-CARE (Collaboration Action Research & Evaluation) Study: A Multi-provincial Pragmatic Trial of Cardio-Respiratory Management in Home Care, Grant, Canadian Frailty Network (CFN-NCE) Transformative Grant Interim Funding, Research - New Project, \$30,000.00
- 2016 - 2017 P. Hebert; **A.P. Costa**;; A. Garland; G. Heckman; J. Hirdes; Ramsey; D. Feeney; D. While; H. Keller; J. Downar; J. Kotecha; L. Lee; L. Mitchell; M. Emond; M. Grinman; P. Quail; R. McKelvie; S. Bronskill, Better tArgetting, Better outcomes for frail ELderly patients (BABEL), Grant, Canadian Frailty Network (CFN-NCE) Transformative Grant Interim Funding, Research - New Project, \$70,000.00
- 2016 - 2017 A. Giguere; J. Sims-Gould; K. Rockwood; P. Stolee, **A. Costa**; A. Kuspinar; D. Forbes; E. Suter; G. Heckman; H. Hanson; H. Witteman; J. Elliott; J. Holroyd-

- Leduc; O. Theou; S. Meyer, Transforming primary health care for frail elderly Canadians, Grant, Canadian Frailty Network (CFN-NCE) Transformative Grant Interim Funding, Research - New Project, \$100,000.00
- 2016 - 2017 M. Emond, **A.P Costa**; J. Lee; M. Aubertin-Leheudre; J.J. Perry; R. Daoust ; L. Bissonnette, E. Lang, B. Rowe D. Melady, A Turcotte-Brousseau, Connecting Emergency Departments with Community services to prevent mobility losses in pre-frail & frail Seniors (CEDeCom), Grant, Canadian Frailty Network (CFN-NCE) Transformative Grant Interim Funding, Research - New Project, \$100,000.00
- 2015 - 2017 Herbert, P.; Hirdes, JP, Amaral, A.; Heckman, G; Claudio, M; Stelfox, T; **Costa, A.P.**; Bagshaw, S; Lee, J., Care of Frail, Acutely Ill Older Persons: Making Health Care Work Like a System, Grant, Technology Evaluation in the Elderly (TVN), 2014 Fall Strategic Impact Grant, Research - New Project, \$6,665,000.00
- 2014 - 2016 Bakker, D., **Costa, A.P.**; Swayze, K.; Moutjoy, M.; Singh, P., Family Medicine Resident Wellness: Measuring the effect of a mindfulness-based stress reduction program on depression, burnout & resiliency, Grant, McMaster Department of Family Medicine Pilot Research Project Funding, Education Research, \$5,000.00
- 2015 - 2016 **Costa, A.P.**, Kays Sommer, J.; Bite, A.; Roeper, R. (co-I.), The Role of Multidisciplinary Health Professionals in the Education of Medical Students, Grant, Medicine/Undergraduate MD Program Medical Student Research Award, Department of Medicine, McMaster University, Education Research, \$2,000.00
- 2015 - 2016 **Costa, A.P.**, Boscart, V.; Heckman, G; Farugia, M., The transition from the emergency department into home care (Trans-ED-HC) project: A mixed methods study of patterns of patient safety events and transition processes, Grant, Canadian Patient Safety Institute 2015-2016 Research Competition, Research - New Project, \$49,258.00
- 2015 - 2016 Didyk, N., **Costa, A.P.**; Chand, P., Pigott, T., Morris C., Barriers to Participation in Faculty Development at a Distributed Medical School Campus, Grant, McMaster Continuing Health Science Education Program (CHSE) Research and Innovation Fund, Education Research, \$5,000.00
- 2013 - 2016 Boscart, V.; Sidani, S., Dupuis, S.; Heckman, G.; Ploeg, J; **Costa, A.P.**, The neighbourhood team development program: Promoting resident centeredness in long-term care, Grant, Canadian Institutes of Health Research (CIHR) Operating Grants, Research - New Project, \$469,695.00
- 2013 - 2015 **Costa, AP**; Peirce, T., Heckman, G; McKelvie, R; Moore, A., DIVERT PROJECT: Reducing Unplanned Emergency Department Visits among Home Care Patients using the DIVERT Scale and Interprofessional Care and Communication Protocols, Grant, HNHB LHIN Emergency Service Steering Committee 2013 Request for Proposals, Research - New Project, \$129,000.00
- 2014 - 2015 **Costa, A.P.**, Bell, C; Bronskill, S; Heckman, G; McKelvie, R; Sinha, S; Mitchell, L; Purhboo, D.; Peirce, T., Establishing a Research and Practice Collaboration for the Evaluation of Emergency Department Avoidance Interventions in Home Care, Grant, Planning and Dissemination Grants 2014-02-18, Network, \$20,000.00

### Grants (Primary Investigator's names are underlined)

- 2014 - 2024 **Costa, A.P.**, Schlegel Chair in Clinical Epidemiology and Aging, Grant, McMaster University, Personnel - Chair - Salary, \$2,000,000.00
- 2015 - 2020 **Costa, A.P.**, Collaborative Initiative to Improve Use of Health Care Data to Inform CCAC Decision- Making, Contract, Ontario Ministry of Health and Long-Term Care, Hamilton Niagara Haldimand Brant Community Care Access Centre, Personnel - Studentships, \$280,000.00
- 2016 - 2017 **Costa, A.P.**, Tarride, J., Evaluation of the Waterloo Wellington System Coordinated Access eReferral Program, Contract, eHealth Centre of Excellence System Coordinated Access (SCA), Research - New Project, \$35,000.00
- 2016 - 2017 **Costa, A.P.**, Boscart, V., Sidani, S., Dupuis, S.; Heckman, G.; Ploeg, J, The neighbourhood team development program: Promoting resident centeredness in long-term care, Subgrant, Canadian Institutes of Health Research (CIHR) Operating Grants, Research - New Project, \$30,000.00

### LIFETIME PUBLICATIONS

\*Corresponding or Senior Author

^Under supervision

#### Peer Reviewed Books

1. **A.P. Costa**, J Hirdes, S Arino-Blasco, K Berg, V Boscart, C Carpenter, N Curtin-Telegdi, M Emond, L Gray, G Heckman, P Jonsson, M Leyenaar, M Martin-Khan, S Melady, S Sinha, K Singler, F Sjöstrand, W Swoboda, N Wellens, J Morris, M Björkgren, Anja Declercq, H Finne-Soveri, B Fries, M Head, M James, G Ljunggren, T Frise Smith, K Steel, S Stewart, K Szczerbinska, E Topinkova. interRAI Emergency Department (ED) Assessment System Manual, For Use with the interRAI ED Screener (EDS) and ED Contact Assessment (ED-CA) User's Manual, Forms, and Applications, Open Book Systems, Washington, DC, USA, 2016. ISBN: 978-1-9360-75-22-6.
2. Bronskill, S.E.; Carter, M.W.; **Costa, A.P.**; Esensoy, A.V.; Gill, S.S.; Gruneir, A.; Henry, D.A.; Hirdes, J.P.; Jaakkimainen, R.L.; Poss, J.W.; Wodchis, W.P. Aging in Ontario: An ICES Chartbook of Health Service Use by Older Adults. Toronto: Institute for Clinical Evaluative Sciences; 2010. ISBN: 978-1-926850-02-3.
3. Hirdes, J.P.; Curtin-Telegdi, N.; Poss, J.W.; Gray, L.; Berg, K.O.; Stolee, P.; **Costa, A.P.** interRAI Contact Assessment: Screening Level Assessment for Emergency Department and Intake from Community/Hospital Assessment Form and User's Manual. Washington, DC: interRAI, 2009. ISBN: 978-1-9360-65-31-8.

#### Peer Reviewed Contributions to Books

1. Costa, A.P. Chapter 6: Strategies to Improve Health Capacity in Rural Bolivia: Perspectives from a Health Development Worker. Community Health in Bolivia: Challenges to Equity (6: 149-164). Cordova K. (Ed.). Cochabamba; Kipus. (Spanish Language) ISBN: 978-99954-0-311-9. 2008.

#### Peer Reviewed Journal Articles

##### Submitted for Publication (not complete list)

1. Sommer, J.K<sup>^</sup>; Bite, A.; Lien, K.; Ladha, Z.; Roeper, R.; **Costa, A.P.\***. The Role of Non-Physician Health Care Professionals in the Education of Medical Students at Satellite Campuses. Teaching and Learning in Medicine (HTLM-2017-0174).
2. Boscart, V.; Sidani, S.; Poss, J.; Davey, M.; d'Avernas, J., Brown, P.; Dupis, S.; Heckman, G.; Ploeg, J.; **Costa, A.P.\***. Associations Between Staffing Hours and Quality of Care Indicators in Long-Term Care. BMC Health Services Research (BHSR-D-17-01029). 2017.

3. Klowak, J.A.; Elsharawi, R.; Whyte, R.; **Costa, A.P.**; Riva, J.J. Predictors of medical student interest and confidence in research during training: a cross-sectional study. *Medical Teacher* (CMTE-2017-0292).

#### **In press/Accepted**

1. Cheung, E.N.M.<sup>^</sup>; Benjamin, S.; Heckman, G.; Ho, J.M.W.; Lee, L.; Sinha, S.; **Costa, A.P.\***. Clinical Characteristics Associated with the Onset of Delirium among Nursing Home Residents. *BMC Geriatrics* (BMC Geriatrics BGTC-D-17-00532). 2017.
2. Jones, A.<sup>^</sup>; Schumacher C.; Bronskill S.; Campitelli M.; Poss J.; Seow H.; **Costa A.P.\***. The association between home care services and same-day emergency department utilization: a case-crossover study. 2017. *Canadian Medical Association Journal* (17-0892).
3. Jones, A.T.<sup>^</sup>; Feeny, D.; **Costa, A.P.\***. Longitudinal Construct Validity of the Minimum Data Set Health Status Index. *Health and Quality of Life Outcomes* (HQLO-D-17-00426). 2017.
4. Dash, D; Heckman, G.; **Costa, A.P.**; Boscart, V.; Killingbeck, J.; d'Avernas, J. Using Powerful Data from the interRAI MDS to Support Care and a Learning Health System: An Example from Long-term Care. *Healthcare Management Forum* (17-0056). 2017.

#### **Published**

5. Muratov, S.; Lee, J.; Holbrook, A.; Paterson, M.; **Costa, A.P.**; Guetin, J.; Mbuagbaw, L.; Tarride, JE. Senior high cost healthcare users resource utilization and outcomes: A protocol of a retrospective matched cohort study. *BMJ Open*, 2017 Dec 26;7(12):e018488.
6. **Costa, A.P.** (2017). Charting age-associated cognitive decline. *Canadian Medical Association Journal*, 189(48):E1470-1471.
7. Smith, R.; Kuluski, K.; Jeffs, L.; **Costa, A.P.**; Glazier, R.; Forster, A.; Sinha, S.K. Investigating the Effect of Sociodemographic Factors on 30-day Hospital Readmission among Medical Patients in Toronto, Canada: A Prospective Cohort Study. *BMJ Open*, 2017 Dec 12;7(12):e017956.
8. Brousseau, A.<sup>^</sup>; Dent, E.; Hubbard, R.; Melady, D.; Emond, M.; Mercier, E.; **Costa, A.P.\***. Identification of older adults with frailty in the Emergency Department using a Frailty Index: Results from a Multinational Study. *Age and Ageing*, 2017 Nov 20:1-7.
9. Rios, S.; Perlman, C.; **Costa, A.P.**; Heckman, G.; Hirdes, J.P.; Mitchell, L. Antipsychotics and Dementia in Canada: A Retrospective Cross-Sectional Study of Four Health Sectors. *BMC Geriatrics*. 2017 Oct 23;17(1):244.
10. Bator, E.X.<sup>^</sup>; Philpott, B.J.; **Costa, A.P.\***. This Moral Coil: A Cross-Sectional Survey of Canadian Medical Student Attitudes toward Medical Assistance in Dying. *BMC Medical Ethics*. 2017 Oct 27;18(1):58.
11. Lee, L.; Patel, T.; **Costa, A.P.**; Bryce, E.; Hillier, L.M.; Slonim, K.; Hunter, S.W.; Heckman, G.; Molnar, F. Screening for frailty in primary care: Accuracy of gait speed and hand-grip strength. *Canadian Family Physician*. 2017;63:e51-e57.
12. Geen, O.; Pumputis, A.; Kochi, C.; **Costa, A.P.**; Stobbe, K. Assessing the Short-Term Global Health Experience: A Cross-Sectional Study of Demographics, Socioeconomic Factors, and Disease Prevalence. *American Journal of Tropical Medicine & Hygiene*. 2017 Aug;97(2):596-601.
13. Heckman G.A.; Boscart V.M.; Huson K.; **Costa A.P.**; Harkness K.; Hirdes J.P.; Stolee P.; McKelvie R.S. Enhancing Knowledge and InterProfessional care for Heart Failure (EKWIP-HF) in long-term care: a pilot study. *Pilot and Feasibility Studies*. 2017 Jul 6;4:9.
14. Mountjoy, M.; **Costa A.P.**; Budgett R.; Dvorak J.; Engebretsen L.; Miller S.; Moran J.; Foster J.; Carr, J. Health promotion through sport: international sport federations' priorities, actions and opportunities. *British Journal of Sports Medicine* (BJSM). 2017 Jul 12.
15. Lee L.; Patel T.; Hillier L.M., Maulkhan N.; Slonim K., **Costa A.P.\***. Identifying frailty in primary care: A systematic review. *Geriatrics & Gerontology International*. 2017 Apr 12.
16. Hsu, A.T.; Manuel, D.G.; Taljaard, M.; Chalifoux, M.; Bennett, C.; **Costa, A.P.**; Bronskill, S.; Kobewka, D.; Tanuseputro, P. Algorithm for predicting death among older adults in the home care setting: study protocol for the Risk Evaluation for Support: Predictions for Elder-life in the Community Tool (RESPECT). *BMJ open*. 2016 Dec 1;6(12):e013666.

17. Snider T.<sup>^</sup>; Melady D.; **Costa A.P.\***. (2015) Comfort with Geriatric Emergency Medicine Competencies: A Survey of Canadian Emergency Medicine Residents. *Canadian Journal of Emergency Medicine*, 19, 9-17.
18. Stephens R.F.<sup>^</sup>; GoPaul D.; Xu S.; Hill B.; **Costa A.P.\***. Dose Escalation for Prostate Cancer: Quality Assurance at a Regional Cancer Centre. *McMaster University Medical Journal*, 12, 13-22. 2015.
19. **Costa, A.P**; Hirdes, J.P.; Bell, C.; Bronskill, S.; Heckman, G; Mitchell, L.; Poss, J.W.; Sinha, S. The DIVERT Scale: A Method to Identify the Probability of Unplanned Emergency Department Use among Frail Community Dwelling Seniors. *Journal of the American Geriatrics Society*, 63(4) 763–769. 2015.
20. **Costa, A.P**; Poss, J.W., McKillop, I. Contemplating Case Mix: A primer on Case Mix Classification and Management. *Healthcare Management Forum*, 28, 15-21. 2015.
21. Heckman, G.A.; Tannenbaum, C.; **Costa, A.P**; Harkness, K.; McKelvie, R.S. The Journey of the Frail Older Adult with Heart Failure: Implications for Management and Health Care Systems. *Reviews in Clinical Gerontology*, 24(4), 269-289. 2014.
22. **Costa, A.P**; Hirdes, J.P.; Heckman, G.A.; Dey, A.B.; Jonsson, P.; Lakhan, P.; Ljunggren, G.; Singler, K; Sjostrand, F.; Swoboda, Wellens, N; & Gray, L.C. Geriatric Syndromes Predict Post-Discharge Outcomes among Older Emergency Department Patients: Findings from the interRAI Multinational Emergency Department Study. *Academic Emergency Medicine*, 21(4): 422-433. 2014.
23. **Costa, A.P**; Harkness, K.; Haughton, D.; Heckman, G.A.; McKelvie, R.S. Risk of Emergency Department Use among Community-Dwelling Older Adults: A Review of Risk Factors and Screening Methods. *Clinical Practice*, 11(6): 763-776. 2014.
24. Gray, L.C.; Peel, N.; **Costa, A.P**; Burkett, E; Dey, A.B.; Jonsson, P.; Lakhan, P.; Ljunggren, G.; Sjostrand, F.; Swoboda, W.; Wellens, N.; & Hirdes, J.P. Profiles of Older Patients in the Emergency Department: Findings from the interRAI Multinational Emergency Department Study. *Annals of Emergency Medicine*, 62(5): 467-74. 2013.
25. **Costa, A.P**; Poss, J.W., Peirce, T.; & Hirdes, J.P. Acute Care Inpatients with Long-term Delayed-Discharge: Evidence from a Canadian Health Region. *BMC Health Services Research* 2012, 12:172.
26. Bronskill, S. E., Stevenson, J. E., Hirdes, J. P., Henry, D. A., & **Chartbook Advisory Group**. Aging in Ontario: Using population-based data in the evaluation of trends in health system use. *Healthcare Quarterly*, 14(2), 21-5. 2011.
27. **Costa, A.P**; Hirdes, J.P. Clinical Characteristics and Service Needs of Alternate Level of Care Patients Waiting for Long-term Care in Ontario Hospitals. *Healthcare Policy*, 6: 32-46. 2010.

#### Published Peer Reviewed Abstracts

1. **Costa AP**, Haughton D, Heckman G, Bronskill S, Sinha S, McKelvie R. The DIVERT-CARE catalyst trial: targeted chronic-disease management for home care clients. *Innovation in Aging*. 2017 Jun 30;1(suppl\_1):322-3.
2. Brousseau, A.<sup>^</sup>; Dent, E.; Hubbard, R.; Melady, D.; Emond, M.; Mercier, E.; **Costa, A.P.\***. Derivation and Validation of a feasible Emergency Department specific Frailty Index to predict adverse outcomes. *Journal of the American Geriatrics Society* 2017 May 1 (Vol. 65, pp. S126-S127).
3. Dattani, ND; Tassone, N.; **Costa, A.P.**; Milne, W.K.; Melady, D. No Difference in Opioid Administration to Elderly Patients between Rural and Urban Emergency Departments in Ontario: Results from a Retrospective Cohort Study. 2015. *Academic Emergency Medicine* 22, S185.
4. Chetram, V.; **Costa, A.P.**; Boscart, V.; Mckelvie, R.; Heckman, G.A. An Investigation of a Non-Invasive Jugular Venous Pressure Point Of Care Device To Diagnose And Assess Heart Failure In Long Term And Primary Care: A Mixed Method Approach. 2015. *Canadian Journal of Cardiology* 31 (10), S127.
5. Wellens, N.; **Costa, A.P.**; Gray, L.; Martin-Khan, M. Assessment across the hospital continuum: The interRAI mini-Suite for Acute Care. *The Journal of Nutrition, Health & Aging*. 2013. 17 (Suppl 1 S210).

#### Other Publications

1. **Costa, A.P.** Older Adults Seeking Emergency Care: An Examination of Unplanned Emergency Department Use, Patient Profiles, and Adverse Patient Outcomes Post Discharge. A Doctoral Thesis presented to the School of Public Health and Health Systems. University of Waterloo: Waterloo, Ontario. ISBN: 978-0-9919771-0-9.

2. Sinclair, D.; **Costa, A.P.**; Harvey, D.; Caffery, P. "Turning a private trouble into a public issue": An analysis of people diagnosed with Alzheimer's disease or dementia in home care and their caregivers. Alzheimer's Society of Ontario. Toronto, 2010.
3. **Costa, A.P.**, and Hirdes, J.P. Use of the RAI-HC to Inform Discharge to Home of ALC patients with Enhanced Services. Toronto, ON: The Change Foundation, 2008.
4. Jutan, N., **Costa, A.P.**, Poss, J., and Hirdes, J.P. Use of the interRAI Family of Assessment Instruments to Inform Policy and Service Provision in the Continuum of Care: Final Descriptive Report. Mississauga, ON: Mississauga-Halton Local Health Integration Network, 2008.
5. **Costa, A.P.**; Kehyayan, V.; and McLaughlin, K. An Evaluation Framework for the Electronic Medication Administration Records (eMAR) System at the Extendicare Brampton Long-term Care Home. Toronto, ON: Extendicare (Canada) Inc., 2008.
6. **Costa, A.P.** A Needs Assessment of the Nuevo Eden Community, Cochabamba, Bolivia. University of Waterloo International Health Development Association (UWIHDA), 2007.

#### **Non Peer Reviewed Works**

1. **Costa, A.P.**; Boscart, V.; Farrugia, M.; Heckman, G.; (2016) The Transition from the Emergency Department into Home Care (Trans-ED-HC) Project: Bringing Patient Data as well as Patient, Caregiver, and Care Provider Voices into the Conversation. Canadian Patient Safety Institute. Toronto, Ontario, Canada.
2. **Costa, A.P.**, and Hirdes, J.P. Prioritizing Wait Times for Long-term Care. Canadian Institute for Health Information. Health Care in Canada, 2011: A Focus on Seniors and Aging (Ottawa, Ont.: CIHI, 2011).
3. **Costa, A.P.** and Bloom, K. Serving the Needs of Health Equity. Living Knowledge Journal (April) (pp3-4). Steinhaus N. (Ed.). Bonn; Germany, 2008.

#### **PRESENTATIONS AT MEETINGS**

##### **Invited Presentations**

1. Costa, A.P. La transition de la personne âgée entre le milieu de vie et l'hôpital / The transition of the elderly person between the living environment and the hospital. CEVQ Centre d'excellence sur le vieillissement de Québec et services gériatriques spécialisés. Quebec City, Canada. Nov 27<sup>th</sup>, 2017.
2. Costa, A.P. Patient Safety in Transitions to the Emergency Department - Where the Wheels Fall Off. Canadian Home Care Association Regional Summit. Toronto, Ontario. Oct 30 2017.
3. Costa, A.P. Senior friendly emergency departments – their evolution and inevitability. Global Acute Care Excellence Forum. Brisbane, Australia. Feb 21, 2017.
4. Costa, A.P.; Haughton, D. Hamilton Niagara Haldimand Brant CCAC DIVERT Initiative Health Quality Transformation 2016. Toronto, Ontario, Canada.
5. Costa, A.P. Geriatric Screening and Assessment Systems. U.S. NIA Workshop on Pathways, Contributors and Correlates of Functional Impairment across Specialties. Pentagon City, Washington DC, District of Columbia, United States. Aug 26, 2016.
6. Costa, A.P. Geriatric Screening and Assessment in Low Income Countries. The Albertina and Walter Sisulu Institute of Ageing in Africa, South Africa. Cape Town, South Africa. Apr 19, 2016.
7. Costa, A.P. Complex Chronic Disease Management Interventions in Home Care to reduce Emergency Department Visits: Evidence from Observational and Quasi-Experimental Studies. Winnipeg Regional Health Authority Visiting Professor Rounds. Winnipeg, MN, Canada. February 4, 2016 Winnipeg, Saskatchewan, Canada.
8. Costa, A.P. Keynote: Translate Your Data into a Format Clinicians Can Use to Enhance Clinical Decision-Making 4th National Summit on Data Analytics for Healthcare. Toronto, Canada. December 2, 2015. Toronto, Ontario, Canada.
9. Costa, A.P. The Transition from the Emergency Department into Home Care (Trans-ED-HC) Project. Canadian Home Care Association 2015 Home Care Summit. Ottawa, Canada. November 10th, 2015. Ottawa, Ontario, Canada.

10. Costa, A.P. Using Big Data to Transform Health Care for Elders Innovation Through Big Data Series, McMaster University, Hamilton, Canada. November 3, 2015. Hamilton, Ontario, Canada.
11. Costa, A.P. Emergency department use among seniors: New models of care and their implications for policy and evaluative science. CHEPA Seminar Series. Hamilton, Ontario. November 19, 2014. Hamilton, Ontario, Canada.
12. Costa, A.P. Preventing avoidable ED Use and Improving Care of Frail Older Persons in the ED. 2014 Canadian interRAI Conference. Winnipeg, MN, Canada. October 7th, 2014. Winnipeg, Manitoba, Canada.
13. Costa, A.P. The DIVERT Scale: Development of Interventions to Prevent ED Utilization. Canadian Institute for Health Information Open Forum. National Webinar. September 19th, 2014. Canada.
14. Costa, A.P. The Senior Friendly Emergency Department Ontario Hospital Association Senior Friendly Hospital. Toronto, ON, Canada. June 12, 2014. Toronto, Ontario, Canada.
15. Costa, A.P. Understanding ALC from the Emergency Department. Ontario Hospital Association Policy Mental Health ALC Policy Roundtable. Toronto, ON, Canada. January 24, 2014. Toronto, Ontario, Canada.
16. Costa, A.P. Developing a Case Mix System for Post-Acute Home Care Patients. Health Quality Ontario. Toronto, ON, Canada. January 22, 2014. Toronto, Ontario, Canada.
17. Costa, A.P. Emergency Department Use among Frail Community-dwelling Older Adults Evaluative Clinical Science Rounds, ICES & Sunnybrook Research Institute, Toronto, ON, Canada. January 14th, 2014. Toronto, Ontario, Canada.
18. Costa, A.P. Avoidable Emergency Department use among Frail Seniors: New Models of Care and their Implications for Evaluative Science McMaster University Clinical Epidemiology and Biostatistics Grand Rounds. Hamilton, ON, Canada. October 16th, 2013. Hamilton, Ontario, Canada.
19. Costa, A.P. Geriatric Case Finding In The Emergency Department St Joseph's Health Centre Frail Elderly and Medically Complex Stream Steering Committee. Guelph, ON, Canada. July 13th, 2013. Guelph, Ontario, Canada.
20. Costa, A.P. Using Decision-Making Tools to Support Care: Predicting unplanned emergency services use amongst home and community care clients. ER/ALC: Enhancing Quality Care Across the Health Continuum - Ontario Hospital Association. Toronto, Ontario. May 27th, 2013. Toronto, Ontario, Canada.
21. Costa, A.P.; Heckman, G. The Development of Integrated and Standardized Care Systems for Geriatrics. McMaster University Geriatric Grand Rounds. Hamilton, ON, Canada. May 13th, 2013. Hamilton, Ontario, Canada.
22. Heckman, G.; Costa, A.P. Geriatric Screening in the Emergency Department. Joint Medical Advisory Council (Grand River Hospital and St. Mary's Hospital). Waterloo, Canada. October 2nd, 2012. Waterloo, Ontario, Canada.
23. Costa, A.P. Using Evidence to Support Practice and Care in the Emergency Department. ER/ALC: Promoting Effective Care Across the Health Continuum - Ontario Hospital Association. Toronto, Ontario. June 8th, 2012. Toronto, Ontario, Canada.
24. Costa, A.P. "Senior Friendly" Emergency Departments: Structure and Process Considerations. Waterloo Wellington Emergency Services Network. WW LHIN, Kitchener, Canada. May 29th, 2012. Waterloo, Ontario, Canada.
25. Costa, A.P. "Delayed Discharge": Perspectives from Canada. Princess Alexandra Hospital/University of Queensland Division of Geriatrics. Brisbane, Australia. March 6th, 2012.
26. Costa, A.P. Upstream and Downstream Approches to Healthcare Intervention. McMaster Health, Aging, and Society Speaker Series. Hamilton, Canada. January 18th, 2012. Hamilton, Ontario, Canada.
27. Costa, A.P. Using existing data sources and emerging screening level assessments to explore older adults with behaviours across the continuum. Executive Committee and Behaviour Supports Ontario Committee - North Simcoe Muskoka Local Health Integration Network. January 4th, 2012. Webinar. Ontario, Canada.
28. Costa, A.P. The Emergency Department as the Gateway to Improving Flow Across the Care Continuum. Ontario Health and Community Care Assessment Conference. Toronto, Ontario. November 17th, 2011. Toronto, Ontario, Canada.

29. Costa, A.P. The M.O.P.E.D. Study: Analyzing ED Visits and Predicting Adverse Events in CDHA's Emergency Departments Nova Scotia Capital District Health Authority. Webinar. October 27th, 2011. Nova Scotia, Canada.
30. Costa, A.P. Management and prevention of ALC patients in Ontario hospitals, emergency departments, and home care. Research to Policy Speaker Series - Ontario Ministry of Health and Long-Term Care. Toronto, ON. October 13th, 2011. Toronto, Ontario, Canada.
31. Costa, A.P. The M.O.P.E.D. Study: Analyzing ED Visits and Predicting Adverse Events in VIHA's Emergency Departments. Vancouver Island Health Authority Executive Committee. Victoria, BC. September 29th, 2011. Victoria, British Columbia, Canada.
32. Costa, A.P; Beach, C. Older adults in Emergency Departments: Strategies for Cross-Continuum Coordination. First Joint Acute Care, Emergency Care, and Community Care Seniors Care Planning Meeting - British Columbia Ministry of Health Services and Health Authorities. Delta Vancouver Airport. Vancouver, BC. September 28th, 2011. Vancouver, British Columbia, Canada.
33. Costa, A.P. The Role of Emergency Departments in the Continuum of Care for Older Adults Knowledge Exchange Research Rounds - British Columbia Ministry of Health Services. Victoria, BC. September 27th, 2011. Victoria, British Columbia, Canada.
34. Costa, A.P. The MOPED Study: What B.C. Can Learn. British Columbia Ministry of Health Services Integrated Primary and Community Care Steering Committee. Victoria, BC. June 3rd, 2011. Victoria, British Columbia, Canada.
35. Costa, A.P. Strategies for Improved Emergency Geriatric Care Vancouver Island Health Authority Executive Committee. Victoria, BC. June 2nd, 2011. Victoria, British Columbia, Canada.
36. Costa, A.P. IHSR RISING STAR SESSION: Clinical Characteristics and Service Needs of Alternate Level of Care Patients Waiting for Long-term Care in Ontario Hospitals. Canadian Association for Health Services and Policy Research Annual Conference. Halifax, Nova Scotia. May 12th, 2011. Halifax, Nova Scotia, Canada.
37. Costa, A.P. Evidence-based ALC Policy in WW LHIN using local data. Waterloo Wellington Community Care Access Centre. Waterloo, ON, Canada. April 14th, 2011. Waterloo, Ontario, Canada.
38. Costa, A.P. Transitions To and From Acute Care Among Older Adults: A Quantitative Perspective Victoria General Hospital (VIHA). Victoria, BC, Canada. February 17th, 2011. Victoria, British Columbia, Canada.
39. Costa, A.P. Older adults in the RVH Emergency Room: Results from the MOPED Study. Royal Victoria Hospital. Barrie, ON, Canada. January 13th, 2011. Barrie, Ontario, Canada.
40. Costa, A.P. The MOPED Study: Preliminary Evidence from Nova Scotia. Nova Scotia Capital District Health Authority. December 6th, 2010. Webinar. Canada.
41. Costa, A.P. Using Data to Improve the Potential of Community-based care to meet the needs of ALC patients and Mitigate Unnecessary Hospitalizations: A look at Needs, Transitions, Services, and Outcomes. Vancouver Island Health Authority Executive Committee. Vancouver, BC, Canada. May 26, 2010. Vancouver, Ontario, Canada.
42. Costa, A.P. Comparing ALC patients waiting for long-term care placement to older adults in home care using Ontario's RAI- HC data. The Change Foundation and Ontario Home Care Research Network Symposium: From Evidence to Innovation. Toronto, ON, Canada. May 14, 2010. Toronto, Ontario, Canada.
43. Costa, A.P. ALC Trends in the CE LHIN. Central East Local Health Information Network – Senior Management and ALC Working Group. December 7th, 2009. Ontario, Canada.
44. Costa, A.P; Hirdes, J.P. Understanding the Needs and Transitions of Ontario's acute Alternate-Level-of-Care (ALC) patients waiting for Long-term Care. Ontario Ministry of Health and Long-term Care Invitational Health Research Showcase. Toronto, ON, Canada. October 8th, 2009. Toronto, Ontario, Canada.
45. Costa, A.P. and Beckett, K. Utilizing the interRAI ED Screener to Improve Geriatric Care and Avoid ALC at the Royal Victoria Hospital. Alternate Level of Care (ALC): Moving Beyond Acute Care - Ontario Hospital Association. Toronto, ON, Canada. June 15th, 2009. Toronto, Ontario, Canada.
46. Costa, A.P.; Poss, J.W.; Hirdes, J.P. Alternate Level of Care (ALC) Patients Destined for Long Term Care: Case Mix, Services, and Outcomes. Leveraging Case Mix for Decision Making - Ontario Hospital



Association. Toronto, ON, Canada. June 8th, 2009. Toronto, Ontario, Canada.

### Poster Presentations

1. Costa, A.P.; Haughton, D.; Hirdes, J.P.; McKelvie, R.; Hebert, P. The DIVERT-CARE Catalyst Trial: Targeted Chronic-Disease Management for Home Care Clients. 21st IAGG World Congress of Gerontology and Geriatrics. San Francisco, California, United States. Jul 25, 2017.
2. Bakker, D; Singh, P; Kinzie, S; Oliver, D; Swayze, K; Niec, A ; Kam, A; Costa, A.P. Family Medicine Resident Wellness: Measuring the effect of a mindfulness-based stress reduction program. Canadian Conference on Medical Education (CCME). Winnipeg, Manitoba, Canada. April 29, 2017.
3. Farrugia, M.; Campbell, G.; Poss, J.; Heckman, G.; Boscart, V.; Crutchlow, L.; Costa, A.P. Bringing Patient, Caregiver, and Care Provider Voices into the Conversation: Results from the Trans-ED-HC Study. Canadian Association on Gerontology Annual Meeting. Montreal, Quebec, Canada. Oct 21, 2016.
4. Riva, J; Klowak, J; Elsharaw, R.; Costa, A.P.; Whyte, R. Medical students' attitudes towards research education and opportunities during their training: a cross-sectional survey at McMaster University. October Korea Cochrane Colloquium Korea, Republic Of. Oct 20, 2016.
5. Snider, T; Melady, D, Costa, AP. A national survey of Canadian emergency medicine residents' comfort with geriatric emergency medicine. 16th International Conference on Emergency Medicine Cape Town, South Africa. Apr 18, 2016.
6. Dube B, Haughton D, Straw J, Costa A.P. A Pilot Project with Patients with Progressive Life Limiting Disease, Aimed at Reducing Hospital Admissions, Exploring the Feasibility of New and Sustainable Chronic Disease Management Strategies. Hospice Palliative Care Ontario Conference, Toronto, Canada, 2015-04-19. ?Poster Presentation. Toronto, Ontario, Canada.
7. Snelgrove, N.; Costa, A.P.; Eppel, A. Discharging Patients Admitted for Acute Psychiatric Stabilization in Guelph: Caring for Their Needs in the Community. Institute on Psychiatric Service. San Francisco; California. November 2nd, 2014. Poster Presentation. San Francisco, California, United States.
8. Ammar, K.; Maulkhan, N.; Costa, A.P.; Patel, T.; Lee, L. Measuring Frailty Among Older Adults in Primary Care: Preliminary Findings from a Pilot Screening Project. McMaster Waterloo-Wellington Clinical Research and Quality Improvement Conference. Waterloo; Ontario. June 18th, 2014. Poster Presentation. Waterloo, Ontario, Canada.
9. Stephens, R.F.; Xu, S.S.; Costa, A.P.; Gopaul, D Adoption of Dose-Escalated Prostate Radiotherapy at Grand River Regional Cancer Centre. McMaster Waterloo-Wellington Clinical Research and Quality Improvement Conference. Waterloo; Ontario. June 18th, 2014. Poster Presentation. Waterloo, Ontario, Canada.
10. Stall, N; Chaudhry, S; Salvi, K; Costa, A.P; Nowaczynski, M; Sinha S.K. Acute care hospitalization and place of death among homebound older adults admitted to a home-based primary care program. 2014 Annual Scientific Meeting of the American Geriatrics Society. Orlando, FL. May 15 – 17, 2014. Poster Presentation. Orlando, Florida, United States. Best International Poster Award.
11. Mountjoy, M.; Costa, A.P. McMaster University Physician Wellness Week Canadian Conference on Medical Education. Ottawa, Ontario. April 26th, 2014. Poster Presentation. Ottawa, Ontario, Canada.
12. Costa, A.P.; Morris, C.M. A Model for Research Education in a Distributed Medical Campus. Practical Approaches Toward a Culture of Scholarship at McMaster's Waterloo Regional Campus. Canadian Conference on Medical Education. Ottawa, Ontario. April 27th, 2014. Poster Presentation Ottawa, Ontario, Canada.
13. Rosenbaum, D.M., Costa, A.P.; Morris, C.M.; Buckley, N., Coulston, B., Ellis; J. Developing an undergraduate inter-professional education program in pain. Canadian Conference on Medical Education. Ottawa, Ontario. April 27th, 2014. Poster Presentation. Ottawa, Ontario, Canada.
14. Costa, A.P; Hirdes, J.P.; Bell, C.; Bronskill, S.; Heckman, G; Mitchell, L.; Poss, J.W.; Sinha, S A new Explanatory Model of Emergency Department Use among Community-Dwelling Older Adults. 19th IAGG World Congress of Gerontology and Geriatrics. Seoul, South Korea. June 26th, 2013. Poster Presentation. Seoul, Korea, Republic Of.
15. Costa, A.P; Hirdes, J.P.; Bell, C.; Bronskill, S.; Heckman, G; Mitchell, L.; Poss, J.W.; Sinha, S. The DIVERT Scale: A Method to Identify the Probability of Unplanned Emergency Department Use among Frail

- Community Dwelling Seniors. Canadian Association for Health Services and Policy Research Annual Conference. Vancouver, British Columbia. May 28th, 2013. Poster Presentation. Vancouver, British Columbia, Canada.
16. Costa, A.P. Acute Alternate Level of Care (ALC) patients waiting for Long-term Care. Canadian Association on Gerontology Annual Scientific and Educational Meeting. Montreal, Que., Canada. December 4th, 2010. Poster Presentation. Montreal, Quebec, Canada.
  17. Costa, A.P. Predicting Hospitalizations among Home Care Clients in Ontario. Canadian Association on Gerontology Annual Scientific and Educational Meeting. Montreal, Que., Canada. December 3rd, 2010. Poster Presentation. Montreal, Quebec, Canada.
  18. Costa, A.P. The Canadian Management of Older Person in Emergency Departments (MOPED) Study: Use of a Decisions Support Tool to Improve Transitional Capacity and Improve Outcomes International Society for Gerontechnology 2010. Vancouver, BC, Canada. May 27, 2010. Poster Presentation. Vancouver, British Columbia, Canada.
  19. Costa, A.P. Comparing ALC patients to LTC admissions using Ontario RAI/MDS Data. Ontario Long-term Care Association Research Education Day. Toronto, ON, Canada. November 27th, 2009. Poster Presentation. Toronto, Ontario, Canada.
  20. Costa, A.P.; Hirdes, J.P. A Comparison of Canadian Alternate Level of Care (ALC) Patients to Elderly Home Care Clients using the RAI-HC Tool. IAGG World Congress of Gerontology and Geriatrics. Paris, France. July 5th-9th, 2009. Poster Presentation.
  21. Jutan, N., Hirdes, J.P.; Poss, J.W.; Costa, A.P.; Rigg, N.; and Bowyer, J. Use of the interRAI Family of Assessment Instruments to Inform Policy and Service Provision in the Continuum of Care. Health Care Innovation Expo - Ontario Ministry of Health and Long-term Care. Toronto, ON, Canada. Poster Presentation. Toronto, Ontario, Canada. Dec 28, 2008.
  22. Costa, A.P. Meeting the Needs of the Aging Population: Comparison of Aging Anxiety in Canadian and American Young Adults. American Public Health Association Annual Meeting. Washington, DC, USA. Nov 3rd, 2007. Poster Presentation. Washington, District of Columbia, United States.
  23. Costa, A.P. Aging Anxiety in Canadian and American Young Adults: Measurement and Scale Development. Association for Psychological Science 19th Annual Convention. Washington, DC, USA. May 24th, 2007. Poster Presentation. Washington, District of Columbia, United States.

### Presentations

1. Boscart, V.; Sidani, S.; Poss, J.; Davey, M.; d'Avernas, J., Brown, P.; Dupis, S.; Heckman, G.; Ploeg, J.; **Costa, A.P.** Associations Between Staffing Hours and Quality of Care Indicators in Long-Term Care. Canadian Association on Gerontology Annual Scientific and Education Meeting. Winnipeg, Manitoba, October 20<sup>th</sup> 2017. Podium Presentation.
2. Ashbourne, J.; Lew, B.; Campbell, G.; Costa, A.P. MacPAGE: Developing the McMaster Passport for Education on Ageing. Canadian Association on Gerontology Annual Scientific and Education Meeting. Winnipeg, Manitoba, October 20<sup>th</sup> 2017. Podium Presentation.
3. Costa, A.P. Integrated Assessment Across the Hospital Continuum: Screening and Assessment in the Emergency Department Symposium. 21st IAGG World Congress of Gerontology and Geriatrics. San Francisco, California, United States. Jul 25, 2017. Podium Presentation.
4. Brousseau, A.; Dent, E.; Hubbard, R.; Melady, D.; Emond, M.; Mercier, E.; Costa, A.P. Derivation and Validation of a feasible Emergency Department specific Frailty Index to predict adverse outcomes. Canadian Association of Emergency Physicians Annual Meeting. Calgary, Canada. May 26<sup>th</sup>, 2017. Podium Presentation. Research Plenary: The Best of Canadian EM Research.
5. Brousseau, A.; Dent, E.; Hubbard, R.; Melady, D.; Emond, M.; Mercier, E.; Costa, A.P. Derivation and Validation of a feasible Emergency Department specific Frailty Index to predict adverse outcomes. Society of Academic Emergency Medicine Annual Meeting. Orlando, USA. May 18<sup>th</sup>, 2017. Podium Presentation.
6. Ashbourne, J.; Lew, B.; Campbell, G.; Costa, A.P. MacPAGE: Developing the McMaster Passport for Education on Ageing. 37th Annual Scientific Meeting (ASM) of the Canadian Geriatrics Society. Toronto, Ontario, April 22nd 2017. Podium Presentation.

7. Heckman, G; Costa, A.P.; Hirdes, J.P. Chronic Disease Management in the Frail Elderly. Symposium. 37th Annual Scientific Meeting (ASM) of the Canadian Geriatrics Society. Toronto, Ontario, Canada. Apr 22, 2017. Podium Presentation.
8. Smith, R; Kuluski, K; Costa, A; Sinha, S; Glazier, R; Forster, A, Jeffs, L Investigating the social determinants of 30-day unplanned hospital readmission among GIM patients in Toronto, Canada. Society of General Internal Medicine Annual Meeting Washington, DC, District of Columbia, United States. Apr 19, 2017. Podium Presentation.
9. Costa, A.P. The DIVERT-CARE Trial. Canadian Home Care Association Home Care Summit 2016 Vancouver, British Columbia, Canada. Podium Presentation.
10. Campbell, G.; Farrugia, M.; Poss, J.; Heckman, G.; Boscart, V.; Crutchlow, L.; Costa, A.P. Patterns of Patient Safety Events and Transition Processes from the Emergency Department: Results from the Trans-ED-HC Study. Canadian Association on Gerontology Annual Meeting. Montreal, Quebec, Canada. Oct 20, 2016.
11. Boscart, V.; Sidani, S.; Ploeg, J.; Dupuis, S; Heckman, G.; Costa, A.P.; Brown, P. Neighbourhood Team Development in Long-Term Care: Findings from a 3 year descriptive study. Canadian Association on Gerontology Annual Meeting. Montreal, Quebec, Canada. Oct 20, 2016.
12. Snider T, Melady D, Costa A.P. Comfort with Geriatric Emergency Medicine Competencies: A Survey of Canadian Emergency Medicine Residents. International Conference on Emergency Medicine, Cape Town, South Africa, 2016-04-18. Podium Presentation.
13. Costa, A.P. Standardized Geriatric Screening in the ED: a multinational perspective. International Conference on Emergency Medicine, Cape Town, South Africa, 2016-04-18. Podium Presentation.
14. Muir, T.; Rudd, T.; Costa A.P. Adherence to Metabolic Monitoring Guidelines for Atypical Antipsychotics in Family Medicine Family Medicine Forum, Toronto, Canada. Nov 11-17, 2015. Toronto, Ontario, Canada.
15. Costa A.P., Diong C, Bell C, Wodchis W, Sinha SK, and Bronskill S. The Influence of Primary Care, Specialist, and Home Care Services Utilization on Emergency Department Use Among Home Care Clients Canadian Association for Health Services and Policy Research (CAHSPR), Montreal, Canada, 2015-11-26. Podium Presentation. Montreal, Ontario, Canada.
16. Chetram, V.; Costa A.P.; Boscart, V.; Mckelvie, R.; Heckman, G.A. An investigation of a non-invasive jugular venous pressure point of care device to diagnose and assess heart failure in long term and primary care: a mixed method approach. 2015 Canadian Cardiovascular Congress, Toronto, Canada. October 24, 2015. Toronto, Ontario, Canada.
17. Dattani ND, Tassone N, Costa A.P., Milne WK, Melady D. No difference in opioid administration to elderly patients between rural and urban emergency departments in Ontario. Canadian Association of Emergency Physicians Annual Meeting, Edmonton, Canada, 2015-06-02. Podium Presentation. Edmonton, Alberta, Canada.
18. Snider T, Melady D, Costa A.P. Comfort with Geriatric Emergency Medicine Competencies: A Survey of Canadian Emergency Medicine Residents. Canadian Association of Emergency Physicians, Edmonton, Canada, 2015-06-02 (CAEP 2015 Research Award). Podium Presentation. Edmonton, Alberta, Canada.
19. Dattani ND, Tassone N, Costa A.P., Milne WK, Melady D No Difference in Opioid Administration to Elderly Patients between Rural and Urban Emergency Departments in Ontario: Results from a Retrospective Cohort Study. Society of Academic Emergency Medicine Annual Meeting, San Diego, United States, 2015-05-13. Podium Presentation. San Diego, California, United States.
20. Haughton D., Dube B., Costa A.P. HNHB CCAC DIVERT Project (Detection of Indicators and Vulnerabilities for Emergency Room Trips) OGA/RGP Conference, Toronto, Canada, 2015-04-22. Podium Presentation. Toronto, Ontario, Canada.
21. Dattani ND, Tassone N, Costa A.P., Milne WK, Melady D. No Difference in Opioid Administration to Elderly Patients between Rural and Urban Emergency Departments in Ontario: Results from a Retrospective Cohort Study. Canadian Geriatrics Society Annual Scientific Meeting, Montreal, Canada, 2015-04-17. Podium Presentation. Montreal, Ontario, Canada.
22. Ramjaun, A.; Sinha S.K.; Hirdes, J.P; Costa, A.P. Self-reported mood symptoms and subsequent healthcare use in seniors: Results of a multicenter prospective cohort study. Canadian Association for

- Health Services and Policy Research Annual Conference. Toronto, Ontario. May 14th, 2014. Podium Presentation. Toronto, Ontario, Canada.
23. Costa, A.P. New Risk Scales to Predict Outcomes among Older ED Patients: Results from the MOPED Study. Canadian interRAI Conference. Ottawa, ON, Canada. October 8th, 2013. Podium Presentation. Ottawa, Ontario, Canada.
  24. Costa, A.P. A New Client Classification to Predict Emergency Department Use among Long-stay Home Care Clients Canadian interRAI Conference. Ottawa, ON, Canada. October 8th, 2013. Podium Presentation. Ottawa, Ontario, Canada.
  25. Costa, A.P; Hirdes, J.P.; Bell, C.; Bronskill, S.; Heckman, G; Mitchell, L.; Poss, J.W.; Sinha, S. The Detection of Indicators and Vulnerabilities for Emergency Room Trips Scale (DIVERT) Scale: A New Explanatory Model of Emergency Department Use among Frail Community-dwelling Older Adults Canadian Association on Gerontology Annual Scientific and Educational Meeting. Halifax, NS, Canada. October 18th, 2013. Podium Presentation. Halifax, Nova Scotia, Canada.
  26. Costa, A.P; Hirdes, J.P; Gray, L. Geriatric Case Finding and Assessment in the Emergency Department. 19th IAGG World Congress of Gerontology and Geriatrics. Seoul, South Korea. June 25th, 2013. Podium Presentation. Seoul, Korea, Republic Of.
  27. Costa, A.P; Peirce, T. Using a New Prediction Model and New Approaches to Prevent Emergency Department Use among Long-stay Home Care Clients in HNH Knowledge and Inspiration 2012 - Ontario Association of Community Care Access Centers. Toronto, ON, Canada. June 19th, 2013. Podium Presentation. Toronto, Ontario, Canada.
  28. Costa, A.P; Hirdes, J.P.; Heckman, G. New Screening Methods to Predict Adverse Post-Discharge Outcomes among of Older Emergency Department Patients: Results from the MOPED Study. Canadian Association for Health Services and Policy Research Annual Conference. Vancouver, British Columbia. May 29th, 2013. Podium Presentation. Vancouver, British Columbia, Canada.
  29. Costa, A.P. Clinical Case for Geriatric Screening in the Emergency Department. Southern Ontario Geriatric Research Day. Cambridge, ON, Canada. June 20th, 2012. Podium Presentation. Cambridge, Ontario, Canada.
  30. Costa, A.P; Peirce, T. Determinants of Unplanned Emergency Department Use Among Long - Stay Home Care Clients: Evidence from the Hamilton Niagara Haldimand Brant CCAC. Knowledge and Inspiration 2012 - Ontario Association of Community Care Access Centers. Toronto, ON, Canada. June 18th, 2012. Podium Presentation. Toronto, Ontario, Canada.
  31. Costa, A.P; Peirce, T. Identifying Acute Care Patients at Risk of Long-term Alternate Level of Care: Evidence from the Hamilton Niagara Haldimand Brant CCAC. Knowledge and Inspiration 2012 - Ontario Association of Community Care Access Centers. Toronto, ON, Canada. June 18th, 2012. Podium Presentation. Toronto, Ontario, Canada.
  32. Costa, A.P; Peirce, T. Predicting Unplanned Acute Care Use among Home Care Clients: Evidence from the Hamilton Niagara Haldimand Brant Local Health Integration Network Region. Canadian interRAI Conference. Vancouver, BC, Canada. May 9th, 2012. Podium Presentation. Vancouver, British Columbia, Canada.
  33. Costa, A.P., Beach, C. The MOPED Study: Pan-Canadian Emergency Department Research Informing Policy and Practice in British Columbia Canadian interRAI Conference. Vancouver, BC, Canada. May 8th, 2012. Podium Presentation. Vancouver, British Columbia, Canada.
  34. Costa, A.P; Hirdes, J.P. Hospital Patients Designated "Alternate Level of Care" (ALC): Descriptive Characteristics and Determinants of Length of Stay, Transitions, and Outcomes in Symposium: Bridging Gaps in Health Services Research: New directions in population level gerontological health care research across sectors in Ontario, Canada. Canadian Association on Gerontology Annual Scientific and Educational Meeting. Ottawa, ON, Canada. 2011. October 22nd, 2011. Podium Presentation. Ottawa, Ontario, Canada.
  35. Costa, A.P; Hirdes, J.P. Older Adults in Emergency Departments: Clinical and psychosocial characteristics of the population and their association with outcomes. Canadian Association on Gerontology Annual Scientific and Educational Meeting. Ottawa, ON, Canada. October 22nd, 2011. Podium Presentation. Ottawa, Ontario, Canada.

36. Sjöstrand, F.; Costa A.P.; Dey, A.B.; Ljunggren, G.; Hirdes, J.; Grey, L. Geriatric Emergency Management using the interRAI Emergency Department Screener. Asian Emergency Medicine Congress. Bangkok, Thailand. July 12th, 2011. Podium Presentation.
37. Costa, A.P. The M.O.P.E.D. Study: Assessing the Risk for Adverse Events Amongst Older Adults in Emergency Departments. Geriatric Medicine Combined City Research Day. McMaster University, Hamilton, Ontario. June 15th, 2011. Podium Presentation. Hamilton, Ontario, Canada.
38. Costa, A.P. Predicting adverse events amongst older adults in emergency departments. Canadian Association for Health Services and Policy Research Annual Conference. Halifax, Nova Scotia. May 10th, 2011. Podium Presentation. Halifax, Nova Scotia, Canada.
39. Costa, A.P. Alternate-level-of-care: Upstream and downstream approaches to intervention. Canadian RAI Conference. Toronto, ON, Canada. October 6th, 2010. Podium Presentation. Toronto, Ontario, Canada.
40. Costa, A.P. The M.O.P.E.D. Study: Using the interRAI ED Screener in Canada to support referral decision-making. Canadian RAI Conference. Toronto, ON, Canada. October 5th, 2010. Podium Presentation. Toronto, Ontario, Canada.
41. Costa, A.P.; Poss, J.W. ALC: Predictors and Transitions, Predicting Risk of Hospitalization and outcomes of Transitioning Home. Knowledge and Inspiration 2010 - Ontario Association of Community Care Access Centers. Toronto, ON, Canada. June 14th, 2010. Podium Presentation. Toronto, Ontario, Canada.
42. Costa, A.P.; Hirdes, J.P. The Potential for Home Care to Meet the Needs of acute 'ALC' Patients: An Analysis of Needs and Transitions Canadian Home Care Association Home Care Summit. Banff Alb., Canada. October 28-30, 2009. Podium Presentation Banff, Alberta, Canada.
43. Costa, A.P.; Hirdes, J.P. Analysis of the Needs and Transitions of acute Alternate Level of Care (ALC) patients waiting for Long-term Care. Canadian Association on Gerontology 38th Annual Scientific and Educational Meeting. Winnipeg, Man., Canada. October 22-24, 2009. Podium Presentation. Winnipeg, Manitoba, Canada.
44. Costa, A.P.; Hirdes, J.P. Understanding the needs of ALC patients waiting for long-term care in the context of community care. Canadian RAI Conference. Halifax, NS, Canada. June 22nd – 24th, 2009. Podium Presentation. Halifax, Nova Scotia, Canada.
45. Costa, A.P.; Hirdes, J.P. A Comparison of ALC Patients to Elderly Home Care Clients in Ontario Using the RAI Data. Knowledge and Inspiration 2009 - Ontario Association of Community Care Access Centers. Toronto, ON, Canada. June 5th, 2009. Podium Presentation. Toronto, Ontario, Canada.
46. Costa, A.P.; Hirdes, J.P. Understanding the needs of ALC patients: A comparison of ALC patients to elderly community care clients in Ontario using the RAI HC. Ontario Home Care Association Symposium and AGM. Toronto, ON, Canada. May 28th, 2009. Podium Presentation. Toronto, Ontario, Canada.
47. Hirdes, J.P.; Poss, J.W.; Costa, A.P.; Jutan, N. Using the interRAI Instruments to Understanding ALC patients. Invitational Regional "ER=ALC" Discussion group: Working Together Towards Sustainable Solutions - Ontario Hospital Association & Ontario Ministry of Health and Long-term Care. Hamilton, London, Thunder Bay, Ottawa, ON, Canada. December 2008. Podium Presentations (4). Ontario, Canada.
48. Hirdes, J.P.; Poss, J.W.; Costa, A.P.; Jutan, N. New Information Sources About ALC Patients in Ontario: Potential of the interRAI Assessment Instruments. Health Achieve Conference - Ontario Hospital Association. Toronto, ON, Canada. November 4th, 2008. Podium Presentation. Toronto, Ontario, Canada.
49. Costa, A.P. Meeting the Needs of an Aging Population: Measurement of Aging Anxiety in Canadian and American Young Adults. Graduate Studies Research Conference – University of Waterloo. Waterloo, ON, Canada. April 24th, 2008. Podium Presentation. Waterloo, Ontario, Canada.