Curriculum Vita

David Cawthorpe

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## I. BIOGRAPHICAL DATA

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Professor (Adjunct) Departments of Psychiatry & Community Health Sciences Faculty of Medicine, Cumming School of Medicine, The University of Calgary, Research and Evaluation Coordinator Child and Adolescent Mental Health and Psychiatry Program, Calgary Health Zone Registered Social Worker - Alberta College of Social Workers

## II. ACADEMIC RECORD

Final degree: Doctor of Philosophy Date completed: November 1999 Specialty: Human Development and Behavior Thesis Title: The Relationship between Felt Security and Depression in a Clinical Sample of Female Adolescents. Institution/City/Country: The University of Calgary Faculty of Medicine Department of Medical Science Behavioral Science Research Group Calgary Canada.

i.	Undergraduate
	Bachelor of Science
	November 1981:
	Biology
	The University of Western Ontario Faculty of Science London Canada
 11.	Special professional: none
 111.	Graduate and postdoctoral
	Master of Science
	June 1989
	Specialty: Mechanisms of Learning and Memory
	Thesis Title: Small Cardioactive Peptide B and Gill Behaviors.
	The University of Calgary Faculty of Medicine Department of Medical
	Science Neuroscience Science Research Group Calgary Canada
iv.	Licensure certification and boards
	Alberta College of Social Workers
	License # 4238

## Contributions

- 1. January 2015 Acting co-Chair Calgary Research Ethics Board
- 2. August 2014 Acting co-Chair Calgary Research Ethics Board
- 3. November 2013 Acting co-Chair Calgary Research Ethics Board
- 4. July 2013 Acting co-Chair Calgary Research Ethics Board
- 5. May 2012 Acting co-Chair Calgary Research Ethics Board
- 6. July 2011 Acting co-Chair Calgary Research Ethics Board
- June 2007-September 2016 Implementation and completion of TRANS-NATIONAL LEADERSHIP PROGRAM in collaboration with Germany: Inoculation of Rhineland Palatinate with Alberta Child and Family Wellness Initiative leading to German Roads to Resilience Initiative.
- 8. Development of TRACT Application: Publication of TRACT in world Health Organization 2011 Compendium of Emerging Technologies and in iTunes (2015).
- 9. February 2009: Development of Child Mental Health overview **DVD for SEARCH** and the Public Health Agency of Canada workshop on behalf of AHS Director Dr. Cathy Scott.
- 10. January 2009- present: Memorandum of Understanding with **European Psychiatric Association** for Child Mental Health Network development and joint network development and marketing agreement with ICAPAP 2016.
- 11. September 2008- Present: Development of Population Database and algorithm for tracking **Clinical Pathways**.
- 12. July 2008 Present: Appointed Member Calgary Research Ethics Board.
- 13. November 2008- Jan 2010: National Child Mental Health Network development (**Evergreen Project**).
- 14. December 2008 2009: Participation in development of Provincial **Early Childhood** health and safety strategy with Calgary Children's initiative (now **UPSTART**).
- 15. In May 2008 traveled to Istanbul and successfully bid on the **International Child and Adolescent Psychiatry and Allied Professions conference for Calgary Alberta in 2016**.
- 16. November 2006 Present: **Development/Implementation of Online Graduate Education Program** in Medical Education (www.internationalgme.org).
- 17. 2002 Present: Development of three **regional electronic records** for Children's Mental Health: These electronic records have facilitated not only the development of wait list and length of stay management but have permitted **population-based reporting of service utilization** and comparison to epidemiological data for service gap and fiscal analysis.
- 18. October 2002- Present: Integration of Western Canada Waitlist Project Child Mental Health Priority Criteria Score (WCWL-CMH-PCS) Form into Regional Access and Intake System.
- 19. Participation in Alberta Health and Wellness data working group for establishing access standards for children's mental health.
- 20. Early Childhood Development Fund Development (June 2002 present): Working with a team as senior consultant steering the development, implementation and evaluation of the investment framework and tender process implementing the Federal Early Childhood Development (ECD) Fund (\$3.2 Million Cdn. annualized).
- 21. August 2008: March 2009: Development of **Outcome measurement framework** pilot for Child and Family Services Authority.
- 22. April 2009 present: Development of **Outcome measurement framework** for Child and Family Services Authority.
- 23. Participation in the review of the **Development of a Calgary Health Region Population Health Measurement Strategy** led by Dr. David Strong.
- 24. Member of the **AMHB Children's Mental Health Research Working Group**: Tasked with environmental scan and analysis for the purpose of developing the provincial research agenda.

- 25. Member of the **Positive Futures Working Group**.
- 26. Member of the **Positive Futures Round Table**.
- 27. Collaborative research projects currently ongoing and under development:
  - a. Huss M. Brünger M. Berg G. Schlüter L. Cawthorpe D. & Leib S. Kinder- und jugendpsychiatrische psychosomatische und psychotherapeutische Versorgung im Bundesland Rheinland-Pfalz – modellhafte Versorgungsplanung für besonders gefährdete Kinder und Jugendliche in strukturschwachen Regionen. Rheinland-Pfalz Paltine Region Germany.
    - i. CIHR has provided \$45000 to develop the conepts underpinning an **international computational center** for mental health.
  - b. International collaboration with Dr. Cecilia A. Essau Professor of Developmental Psychopathology. Roehampton University London England.

i. Participant in international computational center for mental health.

- c. Greven P. Wilkes TCR & Cawthorpe D. . Translation of WCWL-CMH-PCS forms and manual into German. Reliability study.
- d. Kaltiala-Heino R. TCR & Cawthorpe D. Comparison of WCWL-CMH-PCS study results between Finland and Canada.
- e. Bomke P & Cawthorpe D. Development of Trans-national Leadership Workshop between Canada and Germany (1<sup>st</sup> Meeting September 5-13 2010).
  - i. Senior Alberta Health Services Leadership are now participating fully in this program and participating in the development of an international computational center for mental health.
- f. Four paper collaboration with Dr. Alinia Rodriguez of Imperial College, London and MittUniveristat, Sweden to target genes for testing in the longitudinal "Made in Norland" study related to specific childhood developmental disorders.

#### Activities and other contributions

- As part of the project evaluating the capacity to reduce risk for Fetal Alcohol Spectrum of Disorder of Health Canada's 55 Community Action Plan for Children and Prenatal Nutrition Programs in Alberta I acquired the skill of developing comprehensive resource databases that I subsequently distributed with the FASD resource kits that contained an range of materials related to promotion and prevention. This skill has been migrated to the development of several resource and practice databases (e.g. FAS / ECD resource databases).
- 2. Volunteer with Calgary United Way (2004-2006) on Funders Outcome Group (FOG). as a representative of the faculty to examine ways in which funders might streamline and harmonize their respective application and accountability processes.

### Social and personal contributions

- 1. Medical surgical resident support West Africa: 2012-2017.
- 2. Donation of Medical Textbooks to Ibadan University West Africa: 2006-2012.
- 3. Donation of Ten Microscopes to Kibera Slum medical clinic.
- 4. Submission accepted by the Los Angeles Independent Film and Video Festival (September 2007): The current submission accepted in the LA Festival is a video short titled "Trapped Light".
- 5. Submission accepted by the **New York Independent Film and Video Festival** (July 2007): The current submission accepted in the NYC Festival is a video short titled "Trapped Light".

- 6. Submission accepted by the **New York Independent Film and Video Festival** (August 2005): The submission accepted in the NYC Festival is a video short titled "Seemytrees" which uses split screen special effects to celebrate the effect on the visual and acoustic senses of wind light and shadows in nature.
- 7. Calgary Flashlight Battery **Contest Winner** (May 1996): Proposal for a business plan addressing youth unemployment and recycling won first of 40 thoughtful contributions judged by a panel of civic and community representatives and was **awarded a cash prize** of \$3200. I subsequently enacted the plan by building the equipment. The project can create at minimum 3 full time employment positions for a material and space investment of less than \$20,000 (cost to build the materials that I am donating and rent space). A social development and communal living group in Winnipeg Manitoba has accepted this manufacturing process as a donation for their family activity and development center as of April 2006.
- 8. Development of Tax Incentive Policy Framework and Strategy for reduction of costs for publicly funded Social and Health care.

### III. AWARDS AND DISTINCTIONS

- a) *World Health Organization* award for 'Best BSRG Graduate Student Presentation' at the 1994 Sebastian Littman Research Day from the Calgary General Hospital WHO site.
- b) *William H. Davies Medical Research Scholarship* awarded for the academic year January 1994 1995.
- c) *Gold ARM Pin* presented Friday March 17 2003 at the Alberta Response Celebration by Honorable Iris Evans Minister of Alberta Children's Services for performance beyond the call of duty in work with the Early Childhood Development Fund.
- d) *Gold ARM Pin* presented Friday March 17 2003 at the Alberta Response Celebration by Honorable Iris Evans Minister of Alberta Children's Services for performance beyond the call of duty in work with the Aboriginal Early Childhood Development Fund.
- e) *President* Canadian Federation and Society of Adolescentology. Based on participation in the World and Italian Federations and Societies of Adolescentology and related International Continuing Medical Education programs. May 2004 October 2007.
- f) *Supporter* Cawthorpe Hall, Cawthorpe Lincolnshire England May 2006.
- g) *Honorary Citizen of Assisi*: Presentation of Assisi Italy Coat of Arms and formal adoption as an Honorary Citizen by the Mayor of Assisi. Oct 2006.
- h) Founder Canadian Federation and Society of Adolescentology Trust. July 2007.
- i) Founder Canadian Research and Education for the Advancement of Child Health Trust July 2007.
- j) Recipient of the inaugural "*Friends of Canada*" Award presented by the City of Calgary Mayor at the Telus Convention Center on October 21<sup>st</sup> 2009 for development of <u>www.iacapap2016.org</u>
- k) Co-Recipient of the 2013 Arnold P. Gold Foundation Award for Humanism in Health Care.

## IV. ACADEMIC APPOINTMENTS

### Adjunct Professor

a) July 2015-Present: Departments of Psychiatry, Faculty of Medicine The University of Calgary Adjunct Associate Professor

- b) October 2011-Present: Departments of Psychiatry, Faculty of Medicine The University of Calgary
- c) October 2011-Present: Departments of Community Health Science, Faculty of Medicine The University of Calgary
- d) October 2006-Present: Department of International Graduate Medical Education University Ambrosiana Milan Italy. (Co-Founder / Developer International Graduate Medical Education Online Program University Ambrosiana Milan Italy. June 2003-Present)

## Adjunct Assistant Professor

- e) *April 2005-2011:* Department of Community Health Sciences Faculty of Medicine, The University of Calgary.
- f) April 2005-2011: Department of Psychiatry Faculty of Medicine, The University of Calgary.

## Adjunct Lecturer

- g) *April 2004-April 2005:* Department of Community Health Sciences Faculty of Medicine, The University of Calgary.
- h) *April 2002-April 2005:* Department of Psychiatry Faculty of Medicine, The University of Calgary. *Instructor*
- i) *January 2004-April 2004*: Division of Applied Psychology Faculty of Education, The University of Calgary. APSY205 Strategies for Adult Learners.
- i) September 2004-December 2004: Division of Applied Psychology Faculty of Education, The University of Calgary. APSY421 Psychosocial Interventions.
- k) *January 2005-April 2005*: Division of Applied Psychology Faculty of Education, The University of Calgary. APSY205 Strategies for Adult Learners.
- l) September 2006-December 2006: Faculty of Medicine BSc program O'Brien Center: Directed Study.

## Research Coordinator

- m) December 1998-April 1999: Coordinator of a study examining attachment and suicidal behavior. Responsibilities included graduate student supervision instruction and overseeing the process of data collection in a clinical setting.
- n) January 1996-April 1999: Coordinator of a separate study examining attachment and suicidal behavior.
- o) *January 1995-1996*: Coordinator of a retrospective case-note study of adolescent psychiatric inpatients that involved orientating and training graduate students in the collection of retrospective data.
- p) August 1990-February 1991: Site Coordinator for a Clinical Trial comparing two anti-depressant agents. Study location-the Bow Valley Center of the Calgary General Hospital.

### Research Associate

q) September 1993-1996: Research Associate in two projects: 1) Attachment security and borderline personality disorder and 2) Development of the Adult Attachment Projective-Thematic Apperception Test for use in attachment research.

### Research Assistant

- r) *August 1989-March 1991*: Research Assistant with the Behavioral Science Research Unit at the Bow Valley Center of the Calgary General Hospital.
- *s)* November 1988-May 1990: Research Assistant with the Neuroscience Research Group in the Faculty of Medicine at The University of Calgary.

## V. EDUCATIONAL ACTIVITIES

### i. Undergraduate:

- a) *September-December 1984:* Development of Control Data PLATO on-line curriculum through University of Minnesota for placement in grades 1-13 and maintenance of adolescent inpatients in the treatment units educational program.
- b) 2006-2016: Supervisor of 41 Obrien Center Summer Students.

### ii. Graduate (course and student supervision):

- a) 1994-1999: Graduate student representative on the Behavioral Sciences Research Group academic committee.
- b) 1993-1996: Coordinator of the Behavioral Sciences Graduate Student-Psychiatric Resident Journal Club. The coordinator role involved organization of the quarterly graduate student component with the selection and presentation over the period of four seminars with topics that focused on the following: Attachment Theory and Mental Representation Object Relations Theory Adolescent Suicidality Etiological Factors in Conduct Disorder.
- c) *1993-1999*: Annual departmental presentations for the Behavioral Sciences Research Group The University of Calgary Faculty of Medicine. Department of Medical Science.
- d) *1997*: Presentation of interim findings to the clinical staff Adolescent Services Department of Psychiatry Foothills Provincial Hospital Calgary Alberta.
- e) 1996: Presentation of research proposal and protocol to the clinical staff Adolescent Services Department of Psychiatry Foothills Provincial Hospital Calgary Alberta.
- f) *Fall 1994*: Guest Speaker in the Educational Psychology Graduate Course 665 named Human Development: Adolescence I. The topic of presentation was "Approaches to Clinical Research".
- g) *1987-1989*: Annual departmental presentations for the Neuroscience Research Group The University of Calgary Faculty of Medicine. Department of Medical Science.
- h) 1985-1989: Five direct presentations at the Annual Society for Neuroscience Conference at various locations in North America. Co-authorship of presentations given at meetings of the following organizations: the Cold Spring Harbor Symposium the International Brain Research Organization the European Neuroscience Association and the Society for Neuroscience.
- i) 1984: Co-presentation of "The Behavioral Modification System used on the Young Adult Program: An Evaluation" in Grand Rounds with David Somers (Registered Psychiatric Nurse) and Dr. Jennifer Connelly (Psychologist).

### iii. Postgraduate (research and clinical fellows):

- a) November 2016: Examiner Christian Herion Ph.D. Exam-UA
- b) Septemer 2016: Examiner Jane Wiedler Ph.D. Exam-UA
- c) September 2013-Present: IGME Online Course Instruction.
- d) January 2011: Examiner Fadil Citaku Ph.D. Exam-UA. Medical Education Thesis Title: Leadership Competencies in Medical and Health Education Professions (2009 – February 2011)
- e) November 2010: Examiner Shyamala Nagendran Ph.D. Exam-UoA. Medical Education Thesis Title: A Simulator for Teaching Surgical Skills and Knowledge: A Randomized Controlled Study (2005-November 2010)
- f) February 2010: Examiner Syeda Ali Candiacy Exam-UoC.
- g) Feburary 2009: Examiner Shyamala Nagendran Candiacy Exam-UoA.

- h) June 2007: Examiner Rita Veronica Ortiz de Waschmann Ph.D. Thesis Exam. Medical Education Thesis Title: A School Based Program to Reduce Bullying in Children: A Repeated Measures Analysis (2005 – 2007)
- April 2007: Neutral Chair Kent Hecker Ph.D. Oral Thesis Exam. Medical Education Thesis Title: Effects of Medical Curricular Approaches on Educational Outcomes: Hierarchical Linear Modeling of the 1992-2001 American Medical School Sample (2003-2007)
- November 2006: Examiner Andrea Vallevand Ph.D. Candidacy Exam. Medical Education/Kinesiology Thesis Title: Sources of Error in Objective Structured Clinical Exams: Application of Generalizability Theory (2004-2008)
- k) December 2006: Neutral Chair Luba Baig PhD Candidacy Exam. Medical Education Thesis Title: Construct Validity of Competence of Physicians: A Study Employing a Multi-trait Multi-method Matrix (2005-2007)
- 1) June 2004: Examiner Helen Irwin M. Ed. MSc. Thesis Exam
- m) May 2003: Supervisory Experience: Kathy Fetherston Ph.D. Thesis Exam.
- n) March 2000: Psychiatric Resident Training Program Seminar (3 Hours) on Human Development and Attachment Theory: Aspects of neural development attachment theory methods of classifying attachment relationships and the clinical implications of sub-optimal attachment.

### iv. Continuing medical education:

- a) 2006- Present: Developed strategy for implementation of REACH (<u>http://www.thereachinstitute.org</u>) curriculum in Alberta Canada, currently funded in 2013 through private donor: 3.2 Million over 5 years.
- b) *June 2004*: Workshop: Complex Health and Mental Health Problems in Children-A bio-psychosocial perspective. Kijep Management Ltd,. Community Alternatives Individual Placement Program.
- c) January 2004: Community primary care physician ability to identify mental health problems and risk in consecutive zero to six year-old patients: A method for objectively measuring training of primary care physicians. Presented in the Continuing Medical Education Seminar Department of Community Health Sciences Faculty of Medicine January 28<sup>th</sup>
- d) *December 2002*: The place of attachment theory in understanding the development of psychopathology CME Clinical Rounds Conference Room 2 Alberta Children's Hospital December 18<sup>th</sup>.
- e) *December 2002:* Review of the Regional Access and Intake System Joint Rounds Child and Adolescent Mental Health and Psychiatry Program Foothills Medical Center Coomb's Lecture Theater December 13<sup>th</sup>.
- f) *March 2002*: Attachment Theory & Practice Workshop March 28<sup>th</sup> (8 hours) Medicine Hat Sponsored by the Alberta Child Mental Health Initiative.

### VI. ADMINISTRATIVE RESPONSIBILITIES

- i. Departmental (Adjunct): Participation in the Development Committee for Institute 7: School of Public Health: This has been an important step in orienting conceptually the linkages between Health Services and Academic Research.
- ii. Faculty (Adjunct): Participant in the Continuing Medical Education seminar.
- iii. University (Adjunct): Research Ethics Board Member 2008-present.
- iv. Regional Health Services
- a) *June 2001*-Present: Research and Evaluation Coordinator for Child and Adolescent Mental Health Program (CAMHP). Calgary Health Region.

Duties have included:

- 1) Research and Evaluation,
- 2) Strategic Planning Proposal and Program Development

- 3) E-Record and Regional Intake System development and implementation for approximately 100 clinics
- 4) Outcome Measurement Framework development and system-wide implementation for accreditation from 2002 forward
- 5) Quality Management and Accountability (Wait list management, priority and safety flags implemented in system).
- 6) Program components and networking developed within this role have led to the ability of CAMHP to engage in evidence-based and population-based reporting and service planning.

Discrete and ongoing projects within this role have included working closely with management and multidisciplinary teams at regional, provincial and interprovincial levels: Regional (Quality Management Committee Mental Health Information and Options Committee Regional Diversity Program and Conference Planning Steering Committee Web Design Steering Committee); Provincial (Provincial Outcome Measurement Group including 3 working sub-groups Provincial Children's Mental Health Data Working Group Access Working Group Alberta Health; Outcomes Project Charter Working Group Ministry of Children's Services); Inter-provincial levels (Western Canada Waitlist Project).

#### Some specific project areas in which I have had a lead role have included the following:

- 2013-Present: Implementation of 3 investments in Children's Mental Health (Mental Health Literacy in Schools and CanREACH) totaling ~5.2 Million over 5 years and represent paradigm shifts in service delivery models called for by the US Surgeon General in 1999.
- 2) May 2007-2014 TransNational Leadership Program Phases 1& 2.
- 3) December 2007-Present: Development of criteria for Calgary and Area Child and Family Service Authority to judge parenting assessments in order to guide standing offer contracts with family assessors.
- 4) September 2007-Present: Children's Mental Health Research and Data Working Groups
- 5) Dec 2006-2013: With regional directors of IACAPAP2016 and Norlein Foundation formation of original bid and subsequent congress development strategy.
- 6) *September 2001-January 2007*: Regional coordinator of the 3 phases of development leading to the implementation of the Western Canada Waitlist Project within the operations of the Child and Adolescent Mental Health and Psychiatry Program. This project involves all the western provinces. Results include the implementation into clinical practice of a valid and reliable instrument related to wait times permitting the prioritization of pediatric mental health referrals.
- 7) June 2002-June 2003: Development and implementation of the investment framework the tender process and the evaluation framework for the regional fiscal agent (Calgary Rocky View Child and Family Services Authority) responsible for the Federal Early Childhood Development Fund (\$3.2 Million Cdn. annualized). Ongoing evaluation of regional ECD programs (budget allotment for evaluation of this ECD investment is \$3,200,000/year annualized).

-One component of this role has been to develop methods of translating and assessing the effectiveness of this translation of health knowledge to the community as noted above. A core component of consultation involved participating in the development of a provincial project charter. The goal of this project charter group was to develop an information management strategy linking provincial and federal accountability matrices (outcome and utilization data) with that of regional programs and independently funded community-based programs. This system is currently being piloted in the local implementation of the ECD programs. It involves using an interface provided through a publicly funded national outcome institute.

 September 2002-December 2003: <u>Evaluation of primary care physician knowledge and ability to identify</u> <u>mental health problems</u> occurring in their 0-6 year-old patients. This Medical Service Innovation Fund study included 3 phases.

-Phase I: A national / provincial physician survey about basic pediatric mental health assessment and intervention knowledge.

-Phase II: The same survey delivered separately at a health region level and a city quadrant level.

-Phase III: This phase included physicians recruited from phase II of the study. These physicians practiced in the "primary pediatric mental health care" program catchment. Phase III of the study focused on the measurement of physician ability to identify mental health problems in their 0-6 Year old patients. The purpose was to measure the rate of pediatric mental health problem identification of the study physicians and compare this to the rate among those who had worked with the program over the last 2 years. The findings are revealing regarding health knowledge translation.

-A final phase of study involved extending the method to the development of Urban / Rural Primary Shared Care programs for 7-12 and13-18 year-olds that have been recently funded.

- 9) *December 2002-August 2006:* Sub-Committee and Working Group for Access Children's Mental Health. A provincial initiative from the office of the Deputy Minister of Health tasked with measuring wait times for Children's Mental Health Services province-wide.
- 10) January 2003-Present: Participation on Regional Steering Committee for Annual Diversity Services Conference.
- 11) *May 2003-December 2003: <u>Educational Health Information Development</u>: Video documentation of the 0-6 Early Childhood Development Conference for the purpose of conserving developing and disseminating in multimedia format practice-related content from approximately 30 specialized health care sessions. This project dovetails with the long-term goal of identifying the practice-related content criteria relevant and specific to enhancing clinician and child care worker identification and intervention of clinical issues in target populations. Moreover a component goal of this long-term Health Knowledge Translation project is to identify optimal media for the dissemination of health care knowledge.*
- 12) *May 2003:* Development of multimedia Early Childhood Development Resources for the purpose of disseminating specialized health care knowledge to child care programs in the community. As part of this <u>Educational Health Information Development</u> project these resource discs represent a layer of the project focusing on optimal media and content for improving practitioner health care knowledge.
- 13) *January 2003*-December 2007: Western Canada Waitlist Project committee member of Regional Steering and Research Committee.
- 14) April 2004-2009: Regional Diversity Committee developing annual conference.
- 15) April 2004-2009: Regional Mental Health Diversity Steering Committee.
- 16) *August 2005:* Development and of the Innovation Fund application for CAMHP (2.6 Million annualized).
- 17) October 2004-December 2007: Development and implementation of the Priority and Safety Flag Manual and Protocol:

-In alignment with the regional mandate to improve patient safety development of systemwide capacity to flag safety issues and develop a handling protocol has become a priority. All components of this process have been developed and are now fully implemented.

18) *September 2006-2007:* Member of the AMHB Children's Mental Health Research Working Group: Tasked with environmental scan and analysis for the purpose of developing the provincial research agenda.

- 19) February 2007: Member of the Positive Futures Working Group
- 20) June 2007: Member of the Positive Futures Round table.
- 21)January 2007-March 2007: December Participation in the review of the Development of a Calgary Health Region Population Health Measurement Strategy led by Dr. David Strong.
- b) June 2000-June 2001: Evaluation Coordinator for Collaborative Mental Health Care Program (0-6 Early Intervention) and the Adolescent Day Treatment Program. Duties included in addition to evaluation program develop and implementation. An electronic record was constructed for each of these programs.
- c) *August 1999*-May 2000: Special Project Coordinator for the Information and Evaluation Unit Department of Psychiatry Calgary Regional Health Authority. The primary role of this position was to support the development and refinement of an ongoing data acquisition project known as "HealthStar" that was directed at obtaining "Ambulatory Care Classification System" data from across the ambulatory mental health clinics. The feeder system on which this project focused was one of data 70 feeder systems to Alberta Health. My role was technical in providing liaison with the software developers in the development of the user-computer interface and it involved the training and support of staff using the system.

### v. Hospital

### CLINICAL POSITIONS

- a) *May 1982-May 2000*: Clinical Mental Health Therapist Young Adult Program an inpatient assessment and treatment unit for adolescents within the Department of Psychiatry Foothills Provincial Hospital Calgary Alberta. Responsibilities included service delivery including individual and group therapy co-therapy with families, program development and evaluation.
- b) June 1981-May 1982: Clinical Mental Health Therapist Adult Inpatient Psychiatry Foothills Medical Center Calgary Alberta.
- c) 1976, 1978, 1980 April-August: Summer Student St. Thomas Psychiatric Institute Ontario.

### VII. PROFESSIONAL ACTIVITIES

#### I. Membership in professional and learned societies.

Alberta College of Social Workers (License # 4238) – Grandfathered into Professional College to fulfill provincial legislation on practice standards.

#### II. Professional service

#### National and international committees

December 2009-2013: IACAPAP fundraising committee

- May 2008-2013 Co-Chair the International Association for Child and Adolescent Psychiatry and Allied Professions (IACAPAP) World Congress 2016 in Calgary.
- Dec 2010-2013: Committee Member International Association for Child and Adolescent Psychiatry and Allied Professions (IACAPAP) fund raising committee.
- December 2004-2007: Director Canadian Chapter of the Word Federation for Study of Adolescence (WFSA Italy). Succeeded by Dr. Chris Wilkes in October 2007.
- October 20th 1999: Participant in the Healthy Child Development Think Tank held at The University of Calgary Faculty of Medicine.

#### Government agencies

- August 2013-July2014: Disaster Relief Triple P Evaluation on behalf of University of Queensland, Australia for Government of Alberta.
- August 2008-Present: Development and testing of Calgary and Area Child and Family Service Authority services outcome and effectiveness measurement framework.

- *December 2007-2010:* Development of standardized guidelines and criteria for Calgary and Area Child and Family Service Authority to use for court ordered Parenting Assessments.
- December 2007-2011: Committee working to analyze and develop understanding of variables underpinning fluctuations in Calgary and Area Child and Family Service Authority caseloads.
- July 2007-2009: Committee working to develop a conceptual framework and logic model into which a continuum of the Calgary and Area Child and Family Service Authority services may be organized.
- September 2006-2007: Abstract Reviewer for the Annual Alberta Mental Health Board Research Showcase
- *April 2005-June 2005:* Facilitation of Parent Link Center Development for Calgary and Area Child and Family Service Authority.
- *February 28 2004:* Early Childhood Development FASD Consultation with representative of Yukon Territory Child and Family Services with provision of ECD resource CD.
- *April 2003:* Participant in a Ministry of Children's Services think tank which focused on the relationships and structure necessary to the provincial implementation of the Alberta Response Model.
- April 2003-2008: Standing Committee member organizing the annual CHR Diversity Conference.
- *February 2003-June 2003:* Committee and team member in a working session to establish a Ministry of Children's Services "Outcomes Project Charter" including a process and timeline for defining key Ministry outcomes that will be tracked and reported on beginning in the 2003-2004 fiscal year.
- June 2003-Present: Early Childhood Development Fund Implementation: retained as a senior evaluation consultant and project manager for the Federal Early Childhood Development (ECD) Fund (\$3.2 Million Cdn. annualized). As senior consultant I am responsible for the ongoing evaluation of 26 regional ECD programs (budget allotment for evaluation of this ECD investment is \$3,200,000 / year annualized).
- *June 2000*-November 2000: Every Kid in Calgary Report Card: A Joint Project by the Children's Initiative of the United Way the Calgary Regional Health Authority and the University of Calgary.
- October 20th 1999: Participant in the Healthy Child Development Think Tank held at The University of Calgary Faculty of Medicine.
- September 1999-April 2000: Health Canada Fetal Alcohol Syndrome Study: Phase II: Final Report.
- *November 2000-March 2001*: Health Canada Fetal Alcohol Syndrome KIT updates: Development of Electronic resource databases for distribution to Alberta's Canadian Action Plan for Children and Canadian Prenatal Nutrition programs.
- July 2000-October 2000: Health Canada Fetal Alcohol Syndrome Study: Phase II: Executive Summary.
- *April 1998*-Final analysis and report evaluating regional restructuring within Mental Health Services undertaken on behalf of the Senior Operating Officer Acute Care Services Calgary Regional Health Authority.

#### CONSULTATIONS (COMMUNITY)

2011-present: Implementation of WCWL-PCS-CHM protocol in St. Joseph's Hospital London, Ontario. *December 2008:* Think tank: Sponsored by Children's Institutive to develop a template to advance Youth Development and Health.

June 2007: Alberta Health and Wellness Children's Mental Health Research Round Table.

Feb 2007: Alberta Health and Wellness Positive Futures Task Group.

- Sept 2006-Present: Alberta Mental Health Board Child Mental Health Research Working Group.
- *April 2005-June 2005:* Position paper for Canadian Outcomes Institute board focusing on optimizing the capacity of CORI to develop health service-system interfaces.
- September 2004-October 2007: Funder Organization Group: Includes United Way Calgary Health Region Calgary and Area Child and Family Services. Task is related to reviewing and streamlining grant funding and reporting formats and processes.

December 2003: Invited consultation with the United Way "The Way Forward Initiative"

*May 2003-June 2004*: Request from Dr. Bruce Perry Provincial Director of Pediatric Mental Health Alberta Mental Health Board to visit assess and support the staff educational needs and facilitate the development of strategies for use in a group home placement for a developmentally handicapped client with multiple complex mental health and health problems.

#### Grant review

June 2012: Alberta Children's Hospital Foundation Annual Grant Review

- June 2011: Alberta Children's Hospital Foundation Annual Grant Review
- September 2011: CIHR Knowledge Translation / Meetings Grant review.
- September 2004-2008: Health Services Travel Grant Committee Alberta Heritage Foundation for Medical Research.
- September 2003-December 2003: Review of 70 applications and selection of subset for annualized federal Early Childhood Development program funding.
- December 2003-January 2003: Review of 50 applications and selection of subset for one-time federal Early Childhood Development program funding.

### Journal reviews

February 2003-Invited Reviewer for the Journal on Information Technology in Healthcare. June 2005-Invited Reviewer for the British Journal of Psychiatry April 2006-Invited Reviewer for the British Journal of Psychiatry September 2006-Invited Reviewer for the Canadian Medical Association Journal January 2007-Invited Reviewer for the British Journal of Psychiatry September 2007 Invited reviewer for the Canadian Medical Association Journal October 2007-Invited reviewer for the European Child and Adolescent Psychiatry Journal August November 2008-Invited Reviewer for the British Journal of Psychiatry Jan 2010-Invited Reviewer for BMC Medical Education Feb 2010-Invited Reviewer for Canadian Journal of Medical Education Jun2012-Invited Reviewer for Journal of Epidemiology & Community Health Mar 2013-Invited Reviewer for Permanente Journal July 2014-Invited Reviewer for Permanente Journal August 2017- Invited Reviewer for Permanente Journal August 2017- Invited Reviewer for Journal of Medical Economics July 2017-Canadian Medical Association Journal December 2017- British Medical Journal - Annals of Childhood Disease

# VIII. RESEARCH SUPPORT

### i. Grants Funded

- a) Center for the Advancement of Health Research Foothills Provincial Hospital Research and Evaluation Study Protocol #1176/8227 09/1995 09/1996 \$2,000 Cdn. Anxious Attachment and Unipolar Depression in Adolescents: A Case Comparison Study Co-Investigator with Dr. Chris Wilkes.
- b) Medical Services Health Transition Fund Alberta Health Collaborative Care Needs Assessment \$39,000 Cdn. 10/2001 /12/2002 Co-Investigator with Dr. Philip Eaton.
- c) Program Study Plan Addressing Workplace Cultural Competency and Service Utilization by Culturally Distinct Groups in the Calgary Health Region \$5,000 05/2003 03/2004 Principle Investigator.
- d) Measuring Burden of Care in a Pediatric Mental Health Population Funding Source: Alberta Children's Hospital Foundation \$25,000 Grant Number: 17261; Role: Co-investigator (Principal Investigator: Dr. Doug Murdoch). 03/2004-03/2007.

- e) Systemic Family Therapy and Interpersonal Patterns of Interaction in Families with and without a Suicidal Adolescent Funding Source: Alberta Children's Hospital Foundation \$2,000 Grant Number: 18091 Role: Co-investigator (Principal Investigator: Dr. Cherelyn Lakusta). 03/2005-06/2007.
- f) Developing a tool to *reliably and validly measure* complexity of children's mental health problems. Funding Source: Alberta Children's Hospital Foundation \$2,000 Grant ID: 18947 Role: Co-investigator (Principal Investigator: Dr. Richard Lang). 2005-06.
- g) United Way of Calgary Taking action on homelessness and health. \$5,000 Principle Investigator Grant ID: (Coinvestigator: Dr. Hude Quan). 2006-07.
- h) Norlien Foundation: Recipient of \$25000 Cdn in March 2008 for the development and impementation of a bid to bring the 22nd ICAPAP conference to Calgary in 2016. Status of Bid: Sucessful.
- i) Child and Family Research Center: Feb 2009 Seed Grant (8,000 Cdn.) to develop proposal "Surveillance of High Risk Vulnerable Children and Youth: Using Cutting-Edge Statistical Techniques to Inform Pediatric Mental Health Care." Rosychuk R (NPI). Newton A (PI). Klassen T Curran T Ali S Dong K McGrath P Urichtuk. D Cawthorpe D (co-investigator).
- Recipient of the inaugural "Friends of Canada" Award presented by the City of Calgary Mayor at the Telus Convention Center on October 21<sup>st</sup> 2009 for development of <u>www.iacapap2016.org</u> (\$5000 Cdn Research Award).
- k) CIHR Meeting Grant (Dr. Cawthorpe recipient on behalf of CFSA trust association), awarded in February 2010 (\$5000 Cdn).
- The Economics of Children's Mental Health Care in Alberta: Based on Elements of Performance III: Profiling Clinical Outcomes and Treatment Pathways between Childhood and Adulthood. Ethics ID-21695/REB15-1057. July 2010 (105,000 Cdn) Norlien Foundation.
- m) CHIR Meetings Planning and Dissemination Grant-Knowledge Translation Supplement: \$45,000 Principal Investigator. May-December 2011.
- n) Co-Recipient of the 2013 Arnold *P. Gold Foundation Award* for Humanism in Health Care: \$5,000.
- o) Mental Health Literacy in Schools, \$678,012 Principal Investigator. June 2013-November 2018: Private Donor via Alberta Children's Hospital Foundation: Principal Investigator (REB14-0554).
- p) CANREACH Primary Pediatric Psychopharmacology Program, \$406,224 Principal Investigator. June 2013-March 2019: Private Donor via Alberta Children's Hospital Foundation: Principal Investigator (REB14-0566).

## Travel Grants

a) AHFMR Community Support Travel Grants: 3 Collaborations; 8 Conferences: grant total ~20,100 Cdn.

### Non-Funded Ethics Approved Research Protocols

- a) Elements of Performance III: Clinical Pathways across the Lifespan and the Impact of Comorbidity. REB15-1057
- b) Elements of Performance I: Profiling Clinical Outcomes for Child and Adolescent Mental Health Programs. Ethics ID-189-58
- c) Elements of Performance II: Extension of Elements of Performance I to study Outcomes of adolescents treated involuntarily under the Mental Health Act for the WPA Thematic Conference on "Coercive Treatment in Psychiatry: A Comprehensive Review" Ethics ID-189-58

# Interruptions / Delays

N/A

### Patents / Copyrights

Treatment Response Application for Client Tracking (TRACT: www.internationalgme.org).

### IX INVITED ADDRESSES

- Cawthorpe D. (2017) Early adversity, toxic stress, trauma, lifespan mental disorder, violence, and sexual abuse: A Zeitgeist.XXXVth International Congress on Law and Mental Health Faculty of Law, Charles University. Prague, 11 July 2017.
- Cawthorpe D. Chartier G. (2014) The relationship between physical and mental disorders: Implications for future societies. ISIS, Key West, Florida. Mar 16-19.
- Cawthorpe D. (2013) An Examination of Membership by Age in 17 Main Classes of International Classification of Disease Given the Presence or Absence of Specified Disorders: Cancer, Episodic Mood Disorders, and ADHD, London Children's Hospital, Sept. 19.
- Cawthorpe D. (2013) Transnational Leadership Program next steps. Pfalzklinikum für Psychiatrie und Neurologie Alzey Germany. Jan 9.
- Cawthorpe D. (2013) Managing the Wait List In Children's Mental Health: The Children's Mental Health Priority Tool. London Children's Hospital, March 22.
- Cawthorpe D. (2012) Identification of a global health index forming a basis to evaluate population-focused promotion and prevention strategies. 20th World IACAPAP Congress July 21-25th, Paris.
- Quach K. Wilkes TCR Cawthorpe, D. (2012) Predicting Child Psychiatry Clinical Outcomes Based on Admission Function and Problem Severity 20th World IACAPAP Congress July 21-25th, Paris.
- Cawthorpe D. (2012) Association of child and adolescent psychiatric and somatic disorders: Evidence of Stigma and Implications for Policy and Health Reform. Sixth International Conference on Child and Adolescent Psychopathology. Roehampton University London England. July 15-18.
- Cawthorpe D. Violato C. (2012) Core competencies for Master teachers, educational leaders and researchers in medical education: MSc and PhD program. Mid University Sweden, Östersund, March 27.
- Cawthorpe D. (2012) Identification of a global health index forming a basis to evaluate population-focused promotion and prevention strategies. Mid University Sweden, Östersund, March 27.
- Cawthorpe D. (2012) Can stigma be addressed using a novel health index for Canada? Der Platz des Kindes und der Jugendlichen Psychiatrie in Regionaldienstleistungen. Pfalzklinikum für Psychiatrie und Neurologie Alzey Germany. March 21.
- Cawthorpe D. (2011) Population utilization study: Comparison of Germany and Canada: Somatoform Disorders. University of Mainz Germany. September 12.
- Cawthorpe D. Wilkes T. Guyn L. Li B. Lu M. (2011) Association of mental health with health care utilisation and cost: A population study. Sixth International Conference on Child and Adolescent Psychopathology. Roehamptom University London England. July 11-12.
- Cawthorpe D. (2011) Accountability in Child and Adolescent Mental Health. Der Platz des Kindes und der Jugendlichen Psychiatrie in Regionaldienstleistungen. Pfalzklinikum für Psychiatrie und Neurologie Alzey Germany. March 8.
- Cawthorpe D. Wilkes TCR. (2010) Challenges and Opportunities-China-Canadian Psychiatry. 30th Conference of the Annual Canadian Academy of Child and Adolescent Psychiatry. Toronto September 25-28th.
- Cawthorpe D. Wilkes TCR. (2010) Health costs of youth with mental health problems: Implications for Policy. 30th Conference of the Annual Canadian Academy of Child and Adolescent Psychiatry. Toronto September 25-28th.

- Cawthorpe D. (2010) New information regarding the health costs of patients with mental health problems: Implications for Policy and Program Design. Fifth International Conference on Child and Adolescent Psychopathology. Roehamptom University London England. July 12-13.
- Cawthorpe D. (2010) Keynote Address: Financing and funding systems-International Experiences: Influence between the providing needs and the financing and funding system. Psychiatrische Rounds February 23rd 2010 The Centre for Psychotherapy Research Universitätsklinikum Heidelberg Heidelberg Germany Heidelberg www.psyres.de.
- Cawthorpe D. (2010) Quality-improvement and controlling the Outcomes in the child-and adolescent mental health system-existing models and new paradigms to cope with limited resources in the Alberta health region (Calgary zone) Rounds February 23rd 2010 The Centre for Psychotherapy Research Universitätsklinikum Heidelberg Heidelberg Germany Heidelberg www.psyres.de.
- Cawthorpe D. (2010) Keynote Address: Financing and funding systems-International Experiences: Influence between the providing needs and the financing and funding system. Psychiatrische Versorgung und neues Entgeltsystem: Interessen-Erfahrungen-Perspektiven. Rathaus Schöneberg Berlin February 18-19.
- Cawthorpe D. (2010) Quality-improvement and controlling the Outcomes in the child-and adolescent mental health system-existing models and new paradigms to cope with limited resources in the Alberta health region (Calgary zone) Psychiatrische Versorgung und neues Entgeltsystem: Interessen-Erfahrungen-Perspektiven. Rathaus Schöneberg Berlin Februar 18-19.
- Cawthorpe D.R.L. Wilkes TCR. Zanussi U. (2009) Felt Security and Suicidality in a Clinical Sample of Adolescents. Fourth International Conference on Child and Adolescent Psychopathology. Roehamptom University London England. July 13-14.
- Cawthorpe D. (2008) Keynote Address: Intervention Models for Attention Deficit Hyper-Activity Disorder. Third International Conference on Child and Adolescent Psychopathology. Roehamptom University London England. July 14-15.
- Cawthorpe D. Wilkes TCR. McKenzie K. Ha C. (2008) The place of the Western Canada waitlist project in regional child and adolescent mental health program services. European Psychiatry Volume 23 Supplement 2 April 2008 Page S376.
- Cawthorpe D. (2008) What can effect size tell us about health service program effectiveness? Community Health Sciences Departmental Rounds January 11.
- Cawthorpe D. (2007) Accountability in Child and Adolescent Mental Health. Der Platz des Kindes und der Jugendlichen Psychiatrie in Regionaldienstleistungen. Pfalzklinikum für Psychiatrie und Neurologie Klingenmünster Germany. March 17.
- Cawthorpe D. (2007) Epidemiology and Utilization of Regional Children's Mental Health Services: Using data to model system capacity under different service delivery scenarios. CME Rounds Alberta Children's Hospital May 10.
- Cawthorpe D. (2007) Epidemiology and Utilization of Regional Children's Mental Health Services. The Calgary Rocky View Student Health Partnership: Mental Health Supports for School-Aged Children Thursday May 31 2007 Coast Plaza Hotel
- Cawthorpe D. (2007) CPRF The 2007 Open Mind Series: Strengthening Mental Health through Youth Engagement. Strengthening Mental Health through Youth Engagement Epidemiology and Utilization of Regional Children's Mental Health Services, May 1, 2007: The Kahanoff Centre Calgary Alberta.
- Cawthorpe D. Wilkes T. Rahman A. (2006) An overview of Attention Deficit and Hyperactivity Disorders (ADHD) resources available for families and professionals in Canada. Psychometric properties and temporal stability of the Western Canada Wait list Project children's mental health referral tool for primary care physicians. October 12-15 ASSISI Italy: VIth SIAd-WFSA International Conference 15 th Anniversary of the Italian Society of Adolescentology and Adolescence Medicine: Scientific Paradigms and Clinical Teaching in Medical Education. Italian Society of Adolescentology and Adolescence Medicine World Federation and Society of Adolescentology.

- Cawthorpe D. Wilkes T. Rahman A. (2006) Psychometric properties and temporal stability of the Western Canada Wait list Project children's mental health referral tool for primary care physicians. October 12-15 ASSISI Italy 2006: VI th SIAd-WFSA International Conference 15 th Anniversary of the Italian Society of Adolescentology and Adolescence Medicine: Scientific Paradigms and Clinical Teaching in Medical Education. Italian Society of Adolescentology and Adolescence Medicine World Federation and Society of Adolescentology.
- Cawthorpe D. Wilkes T. (2006) Outcome measures indicate comparable child mental health treatment effectiveness in Ontario and Alberta: results based on multimethod measurement. Alberta Mental Health Research Showcase Banff Oct. 30-Nov 1.
- Cawthorpe D. (2006) Applying the Western Canada Wait List Project's Children's Mental Health Priority Criteria Score (WCWL-CMH-PCS) at the regional and provincial levels: Implementation Model and Results. Waiting for Child development and rehabilitation services: A research and methodology workshop. Bayshore Westin Hotel Vancouver August 19 2006.
- Cawthorpe D. Rahman A. Chang S. (2006) An overview of Attention Deficit and Hyperactivity Disorders (ADHD) resources available for families and professionals. International Workshop "ADHD-Development and Adaptive Strategies" Institut für Kinder-und Jugendpsychiatrie Psychotherapie und Soziale Pädiatrie Berlin. May.
- Cawthorpe D. Wilkes T. Rahman A. (2006) Western Canada Wait List Project Children's Mental Health Collaboration with Berlin: Exploring method and results by diagnosis as a potential source of cultural differences. International Workshop "ADHD-Development and Adaptive Strategies" Institut für Kinder-und Jugendpsychiatrie Psychotherapie und Soziale Pädiatrie Berlin. May.
- Cawthorpe D. Morrison O'Hara J. (2005) Investing in Early Childhood Development: Learning from Calgary and Area Child and Family Services (CFSA) ECD Initiatives. 2005 Zero to Six Conference Calgary Alberta. October.
- Cawthorpe D. (2005) Medical Education in the Mediterranean. Symposium 2 Plenary Session: 8th International Conference on Adolescentology Assisi Italy. October.
- Cawthorpe D. (2005) Modeling System Performance and Client Outcomes in Child and Adolescent Mental Health Service Delivery: An Alberta Story. Symposium 2 Plenary Session: 8th International Conference on Adolescentology Assisi Italy. October.
- Cawthorpe D. (2004) Mental Health and Young People Today: Epistemological Frameworks and Possible Actions Milano 2004: Being and Beauty "The future of a Young World" Milan December 3-4.
- Cawthorpe D. (2003) Primary mental health care and physician ability to identify pediatric mental health issues. Symposium 1 Plenary Session: New perspectives in medical education. Young people and values: 6th International Conference on Adolescentology Assisi Italy. October.
- Cawthorpe D. Rahman A. Wilkes C. Smith D. (2003) A tool for prioritizing waitlists for children's mental health: A field study using the Western Canada Waitlist Child Mental Health Priority Form. Symposium 2 Parallel Session: Caregivers of Adolescents and Children. Young people and values: 6th International Conference on Adolescentology Assisi Italy. October.
- Cawthorpe D. (2003) Brain development attachment risk and resiliency. June 6th Early Childhood Care and Education Mount Royal College Calgary Alberta.
- Cawthorpe D. (2003) Attachment Theory. Practice Workshop May 6st Calgary Family Services Calgary Alberta.
- Cawthorpe D. (2003) Attachment Theory. Practice Workshop April 1st Sheriff King Women's Shelter Calgary Alberta.
- Cawthorpe D. (2003) Attachment Theory. Practice Workshop April 5st Childcare Conference Coast Plaza Hotel Calgary Alberta.
- Cawthorpe D. (2002) The place of attachment in understanding the development of psychopathology: Perspectives on clinical assessments. Continuing Medical Education Rounds Department of Psychiatry

Division of Child and Adolescent Psychiatry Faculty of Medicine The University of Calgary Calgary Alberta.

- Violato C. Cawthorpe D. (2001) The use of Clinical Data in the Planning Development and Evaluation of a Regional Child and Adolescent Mental Health Program. 5th International Conference on Adolescentology Assisi Italy. September.
- Cawthorpe D. (2001) An evaluation of a Computer-based Psychiatric Assessment: Evidence for expanded use. 9th Annual Medicine Meets Virtual Reality Conference Newport Beach California. January.
- Cawthorpe D. (2000) Depression and Attachment in a Clinical Sample of Female Adolescents. 4th International Conference on Adolescentology Assisi Italy. November.
- Cawthorpe D. Wilkes T. West M. Rose S. (1997) A preliminary report on the relationship between anxious attachment and depression in clinical inpatient adolescents. Canadian Psychiatric Association Annual Meeting Calgary Alberta. September.
- Cawthorpe D. (1988) Endogenous peptides and gill behaviors. Department of Medical Sciences Neuroscience Research Group Student Lecture Series. August.

#### X PUBLICATIONS & PRESENTATIONS

i. Peer reviewed manuscripts

### In preparation

- Cawthorpe D (2018). Collection and use of digital information to improve healthcare processes accountability and outcomes: Sixteen years and counting. International Journal of Medical Informatics (In preparation).
- Cawthorpe D. (2018). The most common disorders in order from birth to sweet sixteen in a pediatric population (In preparation).
- Chartier G. Cawthorpe D. (2018). The relationship between Physical and Mental Disorders in a Pediatric Population. (In preparation).
- Cawthorpe D (2018) Development of a survey-based assessment of knowledge uptake related to a widespread dissemination of an early brain growth education program focusing on toxic stress and early adverse experiences. (In preparation).

Cawthorpe D. Objective Skills Clinical Exam Every Day in the Field (2018) (Textbook: In preparation)

### Submitted

Baxter A. Kutcher S. Wei Y. Cawthorpe D. (2018). School-based mental health literacy training shifts the quantity and quality of referrals to tertiary child and adolescent mental health services: A Western Canada regional study (Submitted).

### Published

- Melathopolous K, Cawthorpe D. (2018). Central intake development impact and population-based child and adolescent mental health service rates 2002-2016: Implications for system redesign. JCACAP 2018 (Accepted)
- Cawthorpe D. Marriott B. Piaget J. Moulai I. Cheung S. (2018). Analysis of ACE items by ICD 10 Diagnostic Category within a Child and Adolescent Addiction, Mental Health, and Psychiatry Program. J Perm. 2108 (Accepted)
- Ghuttora H. Narendran A. Kerba M. Chartier G. Cawthorpe & Sartorius N.Temporal co-occurrence of neoplasm and psychiatric disorder in a pediatric population. BJPO (2018) (Accepted)
- Cawthorpe D. Kerba M. Narendran A. Chartier G. Ghuttora H. Sartorius N. (2018) A detailed description of the temporal order of cancers and mental disorders in a population. BJP Open. (In press)

- Rahman A, Perri A, Deegan A, Kuntz J, Cawthorpe D. On becoming trauma-informed: Role of the Adverse Childhood Experiences Study in tertiary child and adolescent mental health services and the association with standard measures of impairment and severity. Perm J 2018;22:17-054. DOI: <u>https://doi.org/10.7812/TPP/17-054</u>
- McAffrey E. Chang S. Rahman A. Farrelly G. Cawthorpe D. (2017) Mental Health Literacy in Primary Care: Canadian Research and Education for the Advancement of Child Health (CanREACH). Evidence-Based Medicine 2017 (http://ebm.bmj.com/content/ebmed/early/2017/07/22/ebmed-2017-110714.full.pdf).
- Cawthorpe, D. (2017). Comprehensive Description of Comorbidity for Autism Spectrum Disorder in a General Population. Perm J 2017; 21:16-088. https://doi.org/10.7812/TPP/16-088 E-pub: 12/23/2016
- Novick J, Cawthorpe D, McLuckie A. (2016) A measurable treatment plan (2002 2016): Using the children's global assessment and the problem severity scales as outcomes of clinical treatment in child and adolescent mental health services. JHA; 6 (1): 9-15.
- Anwar S. Cawthorpe D. (2016). What "big population data" tells us about neurological disorders comorbidity. JHA, 5(6): 1-8. (doi 10.5430/jha.v5n6p75).
- Cawthorpe D. (2016). Children's Mental Health 1954-2016 who cares? CMAJ. http://cmajblogs.com/childrens-mental-health-1954-2016.
- Chartier G. Cawthorpe D. (2016). From 'Big 4' to 'Big 5': a review and epidemiological study on the relationship between psychiatric disorders and World Health Organization preventable diseases. Current Opinions in Psychiatry. September 2016; 29 (5): 316–321.
- Chartier G. Cawthorpe D. (2016) Distinction between Episodic Mood Disorder and Attention Deficit Disorder with Hyperactivity based on their Association with the Main Classes of International Classification of Disease in a Child and Adolescent Population. Ann Depress Anxiety. 3(1): 1073.
- Novick J, Cawthorpe D, McLuckie, A. (2016). The validation of the Western Canada Waiting List Children's Mental Health-Priority Criteria Score Instrument: 2002 – 2015 results. Journal of Hospital Administration, 5(4): 1-8. (doi 10.5430/jha.v5n4p1)
- Rose R. Chakraborty S. Mason-Lai P. Brocke W. Page S. Cawthorpe D. (2015) The storied mind: A metanarrative review exploring the capacity of stories to foster humanism in health care. Journal of Hospital Administration, 5(1): 52-61.
- Cawthorpe D. Davidson M. (2015) Temporal Comorbidity of Mental Disorder and Ulcerative Colitis. Perm J. Winter; 19(1): 52–57.
- Cawthorpe D. Chartier G. (2014) Population: Implications for Future Society. Review of Social Studies, Law and Psychology. Vol. 8: 48-54.
- Ghuttora H. Cawthorpe D. (2013) Treatment of physical disorder in children with mental disorder: A health care utilization study. Journal of Hospital Administration. DOI: 10.5430/jha.v3n2p24 http://www.sciedu.ca/journal/index.php/jha/article/view/3131)
- Lui J. Narendran A.. Cawthorpe D. (2013) What can population-based physician billing data tell us about the prevalence, costs and disorders associated with different types of cancers based on the 16 year prevalence of cancer diagnosis? Journal of Hospital Administration. 2014, Vol. 3, No. 4: 9-19
- Cawthorpe D. (2013) A Novel Population-Based Health Index for Mental Disorder. Perm J Spring; 17 (2):50-54. (http://www.thepermanentejournal.org/issues/2013/spring/5101-mental-disorder.html)
- Citaku F. Violato C. Beran T. Donnon T. Hecker K. Cawthorpe D. (2012) Leadership competencies for medical education and healthcare professions: population-based study. BMJ Open. 2012 Mar 27;2 (2):e000812. doi: 10.1136/bmjopen-000812.
- Wilkes T. Guyn L. Li B. Lu M. Cawthorpe D. (2012) Association of child and adolescent psychiatric and biomedical/somatic disorders: Do population-based utilization study results support the Adverse Childhood Experiences study? The Permanente Journal Spring; 16 (2): 21-24.

- Cawthorpe D. Lauchlan M. (2011) Treatment Response Application for Client Tracking, WHO compendium of new and emerging health technologies: Health Data Monitoring. 20. http://whqlibdoc.who.int/hq/2011/WHO\_HSS\_EHT\_DIM\_11.02\_eng.pdf.
- Cawthorpe D. Wilkes T. Guyn L. Li B. Lu M. (2011) Association of mental health with health care utilisation and cost: A population study. Canadian Psychiatric Journal 56 (8) 490-494.
- Ngwakongnwi E. Fradgley E. Lu M. Quan H. Cawthorpe D. (2010) Referrals Language Proficiency and Enrolment for Children's Mental Health Services Children and Youth Services Review 33 (10): 1994-1998.
- Violato C. Cawthorpe D. (2009) Core Research Competencies for Scholars and Researchers in Medical Education: An MSc and PhD Program. Research in Medical Education - Chances and Challenges 2009. Heidelberg, 20.-22.05.2009. Düsseldorf: German Medical Science GMS Publishing House; 2009. Doc09rmeG6.
- Cunningham S. M. Alladin A. Gunn T. Cawthorpe D. R. L. (2008) Anxiety depression and hopelessness in adolescents: A structural equation model. Journal of the Canadian Academy of Child and Adolescent Psychiatry. 17 (3): 137-144.
- Wilkes TCR. Cawthorpe D. (2008) The need for more children's mental health services. Can. Med. Assoc. J. May 178: 1465-1466.
- Cawthorpe D. Wilkes T. Rahman A. Smith D. Conner-Spady B. McGurran. Noseworthy T. (2007) Priority-Setting for Children's Mental Health: Clinical Usefulness and Validity of the Priority Criteria Score Journal of the Canadian Academy of Child and Adolescent Psychiatry 16 (1): 17-25.
- Cawthorpe D. (2005) Primary care physician ability to identify pediatric mental health issues. The Canadian Child and Adolescent Psychiatry Review 14 (4): 98-101.
- Cawthorpe D. West M. Wilkes T. (2004) Attachment and depression: The relationship between felt security of attachment and depression among hospitalized female adolescents. Journal of the Canadian Academy of Child and Adolescent Psychiatry 13 (2): 31-35.
- Cawthorpe D. Wilkes T. (2003) An examination of behavioral contagion on an inpatient psychiatric treatment unit: A five-year study. Journal of the Canadian Academy of Child and Adolescent Psychiatry 12 (4): 103-106.
- Cawthorpe D. (2001) An evaluation of a Computer-based Psychiatric Assessment: Evidence for expanded use. Journal CyberPsychology & Behavior 4 (4) 503-510.
- Cawthorpe D. (2000) A new empirical method for assessing human attachment relationship quality. Journal CyberPsychology & Behavior 3 (6) 969-979.
- Cawthorpe D. Harris D. (1999) Evaluating changes in nursing staff's perceptions of identified issues related to nursing practice A method of assessment. Journal of Nursing Administration 29 (7/8) 11.
- West M. Pettem O. Cawthorpe D. Rose S. (1996) Exploratory study of nonverbal stimuli to evoke information relevant to attachment. British Journal of Projective Psychology 41 (1) 30-45.
- West M. Pettem O. Sheldon-Keller A. Rose M. S. Cawthorpe D. (1996) A Story Telling Method for the Assessment of Attachment in Adults British Journal of Projective Psychology Vol 41; Number 1 pages 30-48.
- Roberts N. Cawthorpe D. (1995) A retrospective study of Punjabi Moslem and Caucasian referrals to the child and adolescent treatment unit in Bradford England. Canadian Journal of Psychiatry 40 252-256.
- Cawthorpe D. Lukowiak K. (1990) Suppression of gill withdrawal behaviors in Aplysia: The role of acetylcholine. Canadian Journal of Physiology and Pharmacology 68 (11) 1407-13.
- Cawthorpe D. Lukowiak K. (1990) FMRFamide acts directly on isolated Aplysia gill muscle cells. Neuroscience Letters 113 (3) 345-348.
- Higgins A. Cawthorpe D. Lukowiak K. (1989) The Perfusion of the endogenous peptide FMRFamide through the gill of Aplysia potentiates the gill withdrawal reflex evoked by siphon stimulation and prevents its habituation. Journal of Neuroendocrinology 1 (1) 29-34.

- Cawthorpe D. Higgins A. Lukowiak K. (1988) FMRFamide increases the amplitude and prevents habituation of the evoked gill withdrawal reflex in the isolated gill of Aplysia. Regulatory Peptides 22 227-236.
- Lukowiak K Cawthorpe D.R.L. Martinez-Padron M. Higgins A. (1988) Peptidergic modulation of adaptive behaviours in Alpysia. Regulatory Peptides Volume 22 Issue 4 Page 416.
- Cawthorpe D.R.L. Rosenberg J. Colmers W.F. Lukowiak K. Drummond G. I. (1985) The effects of Small Cardioactive Peptide B on the isolated heart and gill of Aplysia californica. Canadian Journal of Physiology and Pharmacology 63 918-925.

#### ii. Non-peer reviewed manuscripts and reports:

Cawthorpe D. (2012) The real cost of mental health. WWW.RESEARCHMEDIA.EU: Summer 2012: p 68-69.

Cawthorpe D. (2012) Confronting stigma. WWW.RESEARCHMEDIA.EU: Summer 2012: p 67

Cawthorpe D. (2000) Types of Psychiatric Interview. Psychiatric Specialist,1 (4) 3-5.

- Tough S. Atkinson M. Horner R. Jones C. Cawthorpe D. (2000) Every Kid in Calgary: A Joint Project by the Children's Initiative of the United Way the Calgary Regional Health Authority and the University of Calgary.
- Cawthorpe D. (2002-2014) Early Childhood Development Annual Report. Calgary and Area Child and Family Services Authority.

#### iii. Books chapter

- Cawthorpe D. (2017). Attachment Relationship Quality and Depression in Treated Female Youth. Editions Universitaries Europeennes. Saarbrücken, GmbH (ISBN 978-3-330-86739-0)
- Lukowiak K. Higgins A. Cawthorpe D. (1989) Peptidergic Modulation of the PNS in the gill of Aplysia and the modulation of gill withdrawal reflex behaviors. In K. V. Sudakov (Ed.) Systems Research in Physiology; USSR Academy of the Sciences Moscow 103009.

iv. Abstracts-published

- Cawthorpe D. (2017) Objective Skills Clinical Examination every day in the learning field: Proof of concept. 14th Asia-Pacific Medical Education Conference, Singapore.
- Cawthorpe D. (2016) Scalable models for sustainable global development of medical education: 1 to 100 medical schools at a time. 13th Asia-Pacific Medical Education Conference, Singapore.
- Cawthorpe D. What Comes First? The Temporal Comorbidity Between Psychiatric Disorder and Other Biomedical Disorders (E.g., Ulcerative Colitis) in a Population. Mar 31, 2015, 12:30 European Psychiatric Association Congress, Vienna, 733.
- Ghuttora H. Cawthorpe D. A Population-based Prevalence Study of Depression Among Children and Adolescent Based On Calgary Health Utilization Data Mar 30, 2015, 15:00 European Psychiatric Association Congress, Vienna, 365.
- Madhu A. Cawthorpe D. Correlation Between Pregnancy and Childbirth Complications and the Mental Health of the Children Born Mar 29, 2015, 17:00 European Psychiatric Association Congress, Vienna, 194.
- Durrani R. Deegan A. Cawthorpe D. Population Growth Rates of Psychosis and Effective Interventions Mar 29, 2015, 17:00 European Psychiatric Association Congress, Vienna, 189.
- Watts A. Cawthorpe D. Prevalence and Treatment of Anxiety Disorders in Children and Adolescents Mar 28, 2015, 11:10 European Psychiatric Association Congress, Vienna.
- Truong L. Deegan A. Cawthorpe D. Prevalence of Post-Traumatic Stress Disorder in Children Under 19 in Calgary Health Region and a Meta-Analysis of Related Psychotherapeutic and Pharmacological Interventions Mar 31, 2015, 10:00 European Psychiatric Association Congress, Vienna, 423.

- Anwar S. Cawthorpe D. (2015) The Comorbidity of Neurological Disorders in a Population. European Psychiatry, Vol. 30 N° S1 P. 732 Mar Doi : 10.1016/S0924-9338(15)30581-2
- Durrani R. Cawthorpe D. A Prevalence Study of Psychosis, And A Meta-Analysis Of Treatment Interventions For Individuals Under 19. World Association of Social Psychiatry, London, Nov, 2014.
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- Cawthorpe D. Wilkes TCR. (2009) The CAMHP Measurable Treatment Plan: 365 days of full implementation. Sebastian Littman Research Day March 6 Calgary Alberta.
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- Ho J. Wilkes TCR. Cawthorpe D. (2007) Child and Adolescent Mental Disorder as a function of population density: Implications for primary care. Alberta Research Showcase Banff Alberta Canada.
- Parsons T. K. Cawthorpe D. (2007) Child and Adolescent primary mental health care: A three year outcome study. Alberta Research Showcase Banff Alberta Canada.
- Violato C. Cawthorpe. D. (2007) Core Competencies for Scholars and Researchers in Medical Education: An MSc and PhD Program. Association for Medical Education in Europe (AMEE) Trondheim Norway.
- Cawthorpe D. Wilkes T. (2007) Using child and adolescent mental health program Growth and Innovation Fund capacity increases to develop a population-based fiscal algorithm to model per capita program cost. Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.

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- Kunkel D. Cawthorpe D. (2007) The Implementation of Safety and Priority Flags in the Child and Adolescent Mental Health Program Electronic Record and Relevance to Quality Improvement. Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
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- Cawthorpe D. Wilkes T. Rahman A. (2006) Psychometric properties and temporal stability of the Western Canada Wait list Project children's mental health referral tool for primary care physicians. Alberta Mental Health Research Showcase Banff Oct. sixth 30-Nov 1.
- Cawthorpe D. Wilkes T. (2006) Outcome measures indicate comparable child mental health treatment effectiveness in Ontario and Alberta: results based on multimethod measurement. Alberta Mental Health Research Showcase Banff Oct. 30-Nov 1.
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- Ho. J. Cawthorpe D. Forbes F. (2006) A method for analyzing TEXT-based mental health data: Implications for electronic record development and economy of service. Alberta Mental Health Research Showcase Banff Oct. 30-Nov 1.
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- Potok V. Wilkes T. Cawthorpe D. (2006) Preliminary YFIRES program results demonstrate success in rehabilitating. Alberta Mental Health Research Showcase Banff Oct. 30-Nov 1.
- Alladin A. Cunningham S. Cawthorpe D. (2006) A Cross-Cultural Model of Anxiety and Depression in Canadian and Mauritian High School Students. Canadian Psychological Association Annual Conference Calgary AB. June.
- Wilkes TCR. Cawthorpe D. (2006) Regional Epidemiology of Attention Deficit and Hyperactivity Disorders. International Workshop "ADHD-Development and Adaptive Strategies" Institut für Kinder-und Jugendpsychiatrie Psychotherapie und Soziale Pädiatrie Berlin. May.
- Eaton P. Cawthorpe D. (2006) Physicians in the Community: The Role of Primary Care Physicians in Shaping Service Demand for Children's Mental Health. 7th National Conference on Shared Mental Health Care. Calgary AB. May.
- Rahman A Wilkes TCR. Cawthorpe D. (2006) Western Canada Waitlist: a Review of the CHR Child Mental Health Project Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
- Wilkes TCR. Cawthorpe D. (2006) Impact of system redesign on access to and capacity of children's mental health and psychiatric services Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
- Lakusta C. Cawthorpe D. Wilkes TCR. Tomm K. (2006) Systemic Family Therapy and Family's with a Suicidal Adolescent: Findings to Date Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
- Cawthorpe D. (2006) System Performance and Client Outcomes in Child and Adolescent Mental Health Service Delivery: The elements of performance Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
- Besant J. Parsons T. Cawthorpe D. (2005) Child and Adolescent Shared Mental Health Care: Results of a pilot project in Calgary Alberta. Albera Mental Health Board Mental Health Research Showcase: Advancing through Research Innovation and Knowledge Translation. Banff Alberta Nov 28-30.
- Cawthorpe D. Wilkes T. (2005) Modeling System Performance and Client Outcomes in Child and Adolescent Mental Health Service Delivery: An Alberta Story. Albera Mental Health Board Mental

Health Research Showcase: Advancing through Research Innovation and Knowledge Translation. Banff Alberta Nov 28-30.

- Deegan A. Ravio E. Wilkes TCR. Hosain S. Cawthorpe D. (2005) Effectiveness of creating service capacity for adolescents experiencing acute mental illness. Albera Mental Health Board Mental Health Research Showcase: Advancing through Research Innovation and Knowledge Translation. Banff Alberta Nov 28-30.
- Lakusta C. Tomm K. Wilkes T. Cawthorpe D. (2005) A novel method for assessing interpersonal patterns of interaction in families with a suicidal adolescent. Albera Mental Health Board Mental Health Research Showcase: Advancing through Research Innovation and Knowledge Translation. Banff Alberta Nov 28-30.
- Lang R. Cawthorpe D. (2005) Validity of the Lang Complexity Scale: A pilot field study. Albera Mental Health Board Mental Health Research Showcase: Advancing through Research Innovation and Knowledge Translation. Banff Alberta Nov 28-30.
- Rahman A. Wilkes T. Cawthorpe D. (2005) Western Canada Waitlist and System Redesign: Child Mental Health Project Review. Albera Mental Health Board Mental Health Research Showcase: Advancing through Research Innovation and Knowledge Translation. Banff Alberta Nov 28-30.
- Wilkes T. Cawthorpe D. (2005) Brief Child and Family Telephone interview validates provisional diagnostic categories. Albera Mental Health Board Mental Health Research Showcase: Advancing through Research Innovation and Knowledge Translation. Banff Alberta Nov 28-30.
- Cawthorpe D. (2005) Modeling System Performance and Client Outcomes in Child and Adolescent Mental Health Service Delivery: An Alberta Story. Alberta Research Showcase Banff Alberta. November.
- Cawthorpe D. (2005) Accountability in Child and Adolescent Mental Health Today: Epistemological Frameworks and Possible Actions Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
- Cawthorpe D. Rahman A. Wilkes C. (2005) Western Canada Waitlist Project Child Mental Health Update. Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
- Kunkel D. Cawthorpe D. (2005) Flags and Fields: The importance of tracking initiatives in electronic records and the relevance to Quality Improvement.Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
- Deegan, A. Karran C. Hosain S. Wilkes C. Cawthorpe D. (2005) Adolescent Urgent Team: A new treatment paradigm for Youth. Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
- Cherweniuk J. Cawthorpe D. (2005) Getting on the same page: Using non-identified data to measure access to mental health service. Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
- Raivio,E. Karran C. Cawthorpe D. (2005) Effect of Linked Inpatient-Community partnership beds on inpatient flow: Young Adult Program-Exceptional Needs Service. Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
- Ponting S. Cawthorpe D. (2005) Brief Intensive Therapy (BIT) Clinic: Outcome Measures of a Pilot Study Examining First Session Treatment. Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
- Cawthorpe D. Eaton E. Wilkes C. (2005) Child and Adolescent Mental Health and Psychiatry Program Electronic Regional Access and Intake System: Information reflecting impact of system redesign. Canadian College of Health Services Executives Conference Calgary Alberta.
- Cawthorpe D. (2004) Mental Health and Young People Today: Epistemological Frameworks and Possible Actions Milano 2004: Being and Beauty "The future of a Young World" Milan December 3-4.
- Cawthorpe D. (2004) Primary mental health care and measuring physician ability to identify pediatric mental health issues. Ottawa Conference Barcelona.

- Cawthorpe D. Wilkes T. C. R. Rahman A. (2004) A study addressing cultural competency within the Child and Adolescent Mental Health and Psychiatry Program. Canadian Psychiatric Association Canadian Academy of Child and Adolescent Psychiatry Annual Meeting Montreal Quebec.
- Cawthorpe D. Wilkes T. C. R. Rahman A. (2004) A study addressing cultural competency within the Child and Adolescent Mental Health and Psychiatry Program. Sebastian Littman Research Day Department of Psychiatry Calgary Alberta.
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