

Centre for Forensic Behavioural Science and Justice Studies

Annual Report 2018-2019



UNIVERSITY OF SASKATCHEWAN

Centre for Forensic
Behavioural Science
and Justice Studies

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Message from the Acting Director

Welcome to the Annual Report of the Centre for Forensic Behavioural Science and Justice Studies (the Centre). Having been approved by University Council on May 19, 2011, 2018-19 marked the seventh full year of operation as a University Centre. The Centre has established itself on the University of Saskatchewan (U of S) campus as an active and fully operational Centre with a diverse collection of programs and activities either completed or underway.

The Centre experienced many successes in 2018-19, but was also faced with tragedy. Notably, our Director, Dr. Steve Wormith, passed away on March 28, 2019 after a battle with cancer. Dr. Wormith had an illustrious research career and the Centre is one of the many legacies he left behind. His leadership, mentorship, and humour are greatly missed, and we thank him for his guidance, support, and vision throughout the years. Despite this tragedy, there were many notable happenings over the past year. Below are some of the highlights from 2018-19 and a look at possibilities for the future.

The Centre is delighted to maintain its working relationship with its two key partners in the justice community: the Correctional Service of Canada (CSC) along with its local facility the Regional Psychiatric Centre and the Saskatchewan Ministry of Corrections and Policing (formerly the Saskatchewan Ministry of Justice). Indeed, the University of Saskatchewan signed its third, five-year Memorandum of Agreement (April 1, 2019 to March 31, 2024) with CSC for its continued support of the Centre. A signing ceremony celebrating the agreement was well attended and included dignitaries from both CSC and the U of S, such as Ms. France Gratton, Regional Deputy Commissioner and Ms. Kathy Neil, Regional Director Health Services, as well as Dr. Darcy Marciniuk, Associate Vice President Research, Dr. Jack Gray, College of Arts and Science Vice-Dean, Research, Scholarly, and Artistic Work, and Dr. Mansfield Mela, Clinical Professor of Psychiatry.

The content of this Annual Report describes in some detail a listing of ongoing and completed projects. I would like to highlight a few that were devoted the most attention throughout the year and which represent some of the Centre's important justice-related work. To begin, we have been working closely with CSC's Regional Psychiatric Centre (RPC) on two projects this year. One study involves screening for dementia in older inmates and examining the extent to which CSC is accommodating older offenders institutionally and in discharge planning. The Centre was successful in obtaining external funding to support this study in the form of a Saskatchewan Health Research Foundation (SHRF) Collaborative Innovation Development Grant valued at \$49,976. The Centre is also evaluating a FASD pilot project occurring at RPC wherein inmates eligible for release within 12 months are being assessed for FASD.

Four major projects were under way this year with the Saskatchewan Ministry of Corrections and Policing. The Centre completed both a formative and process evaluation of the Healthy Families Initiative, which was a pilot project where intensive supports were provided to

complex families in Regina to increase their wellbeing and reduce their dependency on government services. In addition, the Centre completed a formative evaluation assessing the first three years of the Northeast Youth Violence Reduction Partnership (NYVRP). The NYVRP is a five-year crime prevention project being implemented in northeastern Saskatchewan to reduce youth violence and offending. The Centre also continued its work on the development of a remand risk assessment instrument for use in the Ministry. This project entails extractions of data from government databases (courts and corrections). Finally, this year brought the initial phase of the Missing Persons Project, the inaugural research project of the Saskatchewan Police Predictive Analytics Lab (SPPAL), to a close. The Missing Person Project brought together partners from the Ministry of Corrections and Policing, Saskatoon Police Service, and the University of Saskatchewan to develop predictive models and applied tools that can assist police and community safety partner agencies to intervene effectively to reduce risk and promote community safety. One of the Centre's contributions to this project was the development of a program logic model and evaluation framework.

In addition to the projects completed for CSC and the Ministry of Corrections and Policing, the Centre is also involved in other research and evaluation projects. For instance, the Centre continued its ongoing evaluation of Saskatoon's Mental Health Strategy (MHS) Court, a specialized court for accused persons with mental health issues. It also continued its relationship with the Saskatoon Rotary Club and its Restorative Action Program (RAP) that it operates in both local school boards in Saskatoon, with independent counsellors placed in Saskatoon high schools.

The Centre's core programs (Faculty Research Grants, Student Research Awards, and Graduate Student Scholarships) continued through 2017-18, with six new graduate student research projects supported (pages 15-16). A total of \$29,319.24 was awarded to the students. We extend our congratulations to Kristine Lovatt (Psychology), Bonnie Marwood (Law), Kelsey Morrison (Psychology), Storm Lee Sanders (Interdisciplinary Studies), Carissa Toop (Psychology), and Farron Wielinga (Psychology). Further, two faculty research development grants were awarded (page 15). Sarah Burningham, College of Law, was awarded a grant exploring abortion in Saskatchewan and Dr. Scott Thompson, Department of Sociology, was awarded a grant examining the practice of carding in Saskatoon. The combined total of these grants was over \$18,000.

On May 6-8, 2018, the seventeenth edition of the Biennial Symposium on Violence and Aggression (V&A) was held. Delegate feedback was very supportive and appreciative of the excellent list of speakers who were able to amass for the event. The Symposium was sponsored by numerous organizations to whom we are indebted: CSC; Saskatchewan Ministry of Corrections and Policing; City of Saskatoon; Saskatoon Police Service; U of S Conference Fund; U of S Colleges of Law, Medicine, and Nursing; SHRF; and Social Sciences and Humanities Research Council of Canada (SSHRC). The Centre also would like to express its appreciation and offer thanks to the volunteer members of the V&A Planning Committee, who represented various Centre partners and committed many hours to bringing the conference to a reality. Finally, we extend our thanks to Dr. Joanie Crandall, the Centre Coordinator, who spearheaded the conference planning activities.

In October 2018, the Centre hosted a Public Forum at the University of Saskatchewan entitled, *The Restorative Action Program (RAP): A School-Based, Community-Driven*

Initiative, featuring the Centre's Consultant, Carolyn Camman, with panelists Winston Blake, Executive Director, Restorative Action Program; Dr. Cyril Coupal, Senior Research Associate, Digital Integration Centre of Excellence, Saskatchewan Polytechnic; and Dr. Arthur Whetstone, President of Whetstone Consulting. The event was broadcast live on the Internet and then posted on the Centre's website.

Representing justice-interested faculty members, the Executive Committee forms a key part of the governance structure of the Centre. Current members of the Executive Committee are Dr. John Hansen from the College of Arts and Science (Sociology), Heather Heaven from the College of Law, Dr. Mansfield Mela from the College of Medicine, and Cindy Peternej-Taylor from the College of Nursing. Support and guidance from the Executive Committee has been invaluable as the Centre moves forward following the passing of Dr. Wormith, and we thank them for their voluntary participation on this committee.

Many Advisory Board members of 2017-18 have continued their advisory role with the Centre through 2018-19. Following his administrative leave, we welcomed the return of Dr. Jack Gray, Vice-Dean Research, Scholarly and Artistic Work, College of Arts and Science as Chair of the Advisory Board. We also welcomed new member, Dr. Leslie Anne Keown from Correctional Service Canada.

I would like to thank all of the Centre's staff, consultants, and graduate students for their efforts this year. Without them, the Centre would not be as successful or productive. Centre staffing changes included welcoming Dr. Ashmini Kerodal as a Postdoctoral Fellow at the Centre and losing Dr. Steve Wormith as Director. I will be serving in Dr. Wormith's stead until a new Director is appointed. As such, the year ahead will bring changes to the leadership of the Centre.

The year ahead also promises to be a productive year for the Centre. We have many ongoing research projects that are moving toward critical phases and we look forward to leading these projects through to completion. We are also actively preparing for new and, we hope, important research and evaluation projects. Finally, we continue to strive to enhance the University's participation in community-engaged scholarship by strengthening our relationship with our community and justice system stakeholders and extend our relationship with more departments and colleges within the University.



Lisa Jewell
Acting Director, Centre for Forensic Behavioural Science & Justice Studies

Centre for Forensic Behavioural Science and Justice Studies

Who We Are

The Centre for Forensic Behavioural Science and Justice Studies was established at the University of Saskatchewan in 2011 to foster interdisciplinary research, education and community engagement related to crime, justice and corrections. The Centre draws on a wealth of expertise spread across the Colleges of Arts and Science, Law, Medicine and Nursing, and partnerships with the Correctional Service Canada and the Saskatchewan Ministry of Corrections and Policing (formerly the Saskatchewan Ministry of Justice). The Centre is a gateway to information, knowledge and inquiry into the vast and multifaceted social, justice and health-related issues that impact the criminal justice system and that influence the care, treatment and rehabilitation of offender populations, including but not limited to, Indigenous peoples, women and youth.

Centre Staff

The Centre was led by **J. Stephen Wormith**, Ph.D., Professor, Department of Psychology and former Research Chair in Forensic Psychology (1999-2005) until his death on March 28, 2019. Dr. Wormith's research interests pertained to the assessment and treatment of offenders, including particular offender groups such as young offenders, sexual offenders, and gangs. He consulted with corrections departments in Saskatchewan, Ontario, and Canada; served in court as an expert witness on matters of offender assessment and treatment; and conducted training in offender risk assessment in Canada and internationally.

Lisa Jewell, B.Sc. (Hon.) Psychology, M.A. and Ph.D. in Applied Social Psychology, joined the Centre as a Research Officer in 2013 and is currently the Acting Director of the Centre (February 2019-present). Dr. Jewell has over 10 years of experience with research and program evaluation and is a credentialed evaluator through the Canadian Evaluation Society. Through her research, Dr. Jewell endeavors to ameliorate social conditions that detrimentally affect marginalized populations. She is involved in numerous Centre projects and is the lead researcher of two multi-year evaluations: the Northeast Youth Violence Reduction Partnership and the Healthy Families Initiative.

Joanie Crandall, B.A. (Hon.), B.Ed., M.A. Ph.D., Centre Coordinator, provides management, research and administrative support for all Centre activities. Prior to joining the Centre in 2014, Dr. Crandall worked in instructional design and educational media and as an educator and administrator with Grades K-12 students in both urban and remote (First Nations and Inuit) communities as well as at the college and university level. She is also a facilitator of Instructional Skills Workshops and a lecturer for the College of Education.

Rahim Oraji, B.Sc. in Physics, M.Sc. in Physics, M.Sc. in Agricultural and Bioresource Engineering, M.Sc. in Computer Science, Ph.D. in High Energy Physics, joined the

Centre in 2017 as a Research Officer. Dr. Orazi's research is in machine learning, machine learning in Bioinformatics, predictive data analytics, computer modeling, and robotic systems. He is leading the Police Remand Risk Assessment and LSI-Machine Learning Research projects.

Ashmini Kerodal, B.Sc. in Management Studies, M.Sc. in Criminology and Criminal Justice, and Ph.D. in Criminal Justice, joined the Centre in 2018 as a postdoctoral fellow. Dr. Kerodal's research utilizes complex data management and statistical analysis to study far-right extremism and hate crimes, evaluate criminal justice programs, validate and reduce racial disparities in risk assessment instruments, and develop strategies to reduce the use of jail and pretrial detention on low-risk populations. She is the lead researcher on the Older Offenders Dementia study, RPC's FASD Pilot Project evaluation, RPC's Admissions Study and the Saskatoon Mental Health Strategy Court cost and outcome evaluation.

Centre Consultants

Daniel Anvari, B.Sc. in Mathematics, M.Sc. in Mathematics and Education, M.Phil. in Mathematics, Ph.D. in Applied Mathematics (System Dynamics), joined the Centre as a half-time Research Officer in March 2015 and is currently a consultant to the Centre. Dr. Anvari also possesses a Master's certificate in Project Management. His research experience mostly focuses on predictive data analytics, business intelligence, and computer modeling, particularly applications of Multiple-Criteria Decision Making Algorithms and Fuzzy-Logic based Decision Support Systems.

Carolyn Camman, B.A. (Hon.) in Psychology and Criminology and M.A. in Applied Social Psychology, joined the Centre as a Research Officer for 2013-2015. Carolyn has over six years of experience conducting evaluation and applied research in a variety of areas, specializing in working with criminal justice-related organizations in Saskatchewan. Their main interests are in program evaluation and organizational capacity building. In 2015, Carolyn began working as a consultant for the Centre providing evaluation support and expertise for the Restorative Action Program.

Myles Ferguson, Ph.D. in Psychology, J.D., provides research support to the Centre. Dr. Ferguson has completed reports for several governmental and community-based organizations that address issues of community concern including public health and safety, public policy, and Indigenous issues and forensics, among other areas. He also has an interest in program evaluation research and has participated in several evaluation projects involving programs for at-risk Indigenous youth.

Medhi Ghasemi, Ph.D. in Algebra and Optimization joined the Centre as a Postdoctoral Fellow in 2015 and since transitioned into being a consultant to the Centre. He has a B.Sc. in Mathematics and a M.Sc. in Logic with a focus on complexity classes of computable functions. Dr. Ghasemi's research experience is mainly on applications of the moment problem in optimization, machine learning, statistical learning and data analysis. He is currently working on the Missing Persons Project.

Susan Mulligan, B.A. (Hon.) in Political Studies and M.A. in City Planning, joined the Centre from January 2017 to June 2018 as a Research Officer. Ms. Mulligan worked for the Institute of Urban Studies (IUS) at the University of Winnipeg as a Senior Research Associate for ten years, examining inner city and community development issues. Since 2010, Susan has worked as a consultant providing research and development services to a wide range of agencies, primarily located in Manitoba.

Chad Nilson, B.S. and M.A. in Criminal Justice, M.S. and Ph.D. in Political Science, joined the Centre as the Inaugural Research Fellow for 2012-2015. As a consultant, he is actively involved in a number of the Centre's research and evaluation activities, including the development of process and output indicators for the Community Mobilization initiative in Prince Albert and Saskatchewan's Building Partnerships to Reduce Crime strategy. Dr. Nilson has a diverse history of research, evaluation and program development for federal, provincial and First Nations government.

Centre Members

Centre members are recruited from faculty and/or other researchers within the University of Saskatchewan community who are actively involved in justice and forensic-related research and practice. Government and community partners are also welcome to hold Centre membership and participate in Centre activities and events, although only University of Saskatchewan faculty are able to elect members and hold positions on the Centre Executive Committee.

The Centre is proudly comprised of faculty members representing the Departments of Psychology and Sociology (College of Arts and Science), the Colleges of Education, Law, Medicine, and Nursing, as well as community members who have ties to the University of Saskatchewan. The breadth of its membership is a testament to the vast array of expertise that exists at the University of Saskatchewan and in the community and to the strong potential for meaningful interdisciplinary engagement and collaboration. Information about faculty and community members can be found at http://www.usask.ca/cfbsjs/about_us/people/index.php.

Executive Committee

The Centre Executive Committee consists of the Director and faculty representatives elected from and by the Centre's faculty membership. The Executive Committee works with the Director to develop and implement strategies to foster interdisciplinary research, promote public awareness, engage external partners, encourage faculty and student involvement, as well as to approve processes related to internal programs, and oversee Centre budget and finances. Current Executive Committee members include:

- **John Hansen, B.G.S., B.Ed., M.Ed., Ph.D., College of Arts and Science.** Professor Hansen was born and raised in the northern community of Thompson, Manitoba. Dr. Hansen is of bi-racial Danish and Cree ancestry. He is a member of the Opaskwayak Cree Nation in northern Manitoba. He has been a Correctional Officer, an elementary and high school teacher, and a faculty member in the Aboriginal and Northern Studies Department at the University College of the

North, Manitoba. He is currently an Associate Professor in the Sociology Department at the University of Saskatchewan and his research and teaching specialization are in the fields of Restorative Justice, Indigenous Justice; Crime and Society, focusing on Indigenous knowledge and ways of healing. He now lives in Saskatoon and writes on Indigenous topics.

- **Heather Heavin, B.Sc., LLB, LLM., College of Law.** Professor Heavin is the Associate Dean, Research & Graduate Studies at the College of Law. She graduated from the University of Saskatchewan with a Bachelor of Science (Hons.) in 1992 and Bachelor of Laws (Magna cum laude) in 1996. After clerking to Chief Justice Bayda of the Saskatchewan Court of Appeal, she practiced with the firm of MacPherson Leslie and Tyerman in their Regina office. She completed her Masters of Law at Harvard in 2003 and has been on faculty at the University of Saskatchewan since that time. Professor Heavin is an award-winning teacher and is engaged in teaching and researching in the areas of international trade law, business law and dispute resolution, contract law and oil and gas law.
- **Mansfield Mela, M.Sc., FRCPC, MBBS, FWACP, MRC (Psych), College of Medicine.** Professor Mela is a Clinical Professor, Department of Psychiatry, College of Medicine, and forensic psychiatry consultant at the Regional Psychiatric Centre, Correctional Service Canada. Dr. Mela's research focuses on biopsychosocial aspects of forensic mental health, with specific interests in the areas of fetal alcohol spectrum disorder, forgiveness, spirituality, and ADHD.
- **Cindy Peternelj-Taylor, RN, B.ScN., M.Sc., Ph.D.(c), DF-LAFN, College of Nursing.** Professor Peternelj-Taylor has extensive experience in professional role development for students and nurses who practice with vulnerable populations in forensic mental health and correctional settings. Professor Peternelj-Taylor's research interests include issues that emerge within the therapeutic relationship. She is the Editor of the Journal of Forensic Nursing and the Chair of the Custody and Caring Conference.

Advisory Board

Established during 2011-12, the Centre Advisory Board consists of invited University and non-University representatives and is Chaired by the Vice-Dean, Research, Scholarly and Artistic Works, College of Arts and Science, as designate of the Vice-President Research, University of Saskatchewan. The Board provides input and advice on a range of issues fundamental to the long-term viability of the Centre, including but not limited to research and programming initiatives, policies and partnerships.

Board members include:

- **Jack Gray, B.Sc., M.Sc., Ph.D., Vice-Dean Research, Scholarly and Artistic Works, College of Arts and Science**

- **Camelia Adams**, M.Sc., M.D., FRCPC, Faculty of Psychiatry, University of Saskatchewan
- **Olajide Adelugba**, MBBS, FWACP, Psychiatrist and Clinical Director, Regional Hospital, Regional Psychiatric Centre (Prairies), Correctional Service Canada
- **Morgan Hackl**, Chief, Fire and Protective Services, City of Saskatoon
- **Robert Innes**, B.A., M.A., Ph.D., Department Head, Department of Indigenous Studies, University of Saskatchewan
- **Eric Michael**, Executive Director, Willow Cree Healing Lodge, Correctional Service Canada
- **Brian Rector**, Ph.D., Executive Director, Research and Evidence-Based Excellence, Saskatchewan Ministry of Corrections and Policing
- **Blair Jasper**, B.Sc., Quantitative Research Analyst, F Division, Operations Strategy Branch, Royal Canadian Mounted Police
- **Leslie Anne Keown**, Acting Senior Research Manager, Research Branch, National Headquarters, Correctional Service Canada
- **John Weekes**, Ph.D., Director, Research and Academics, Waypoint Research Institute, Waypoint Centre for Mental Health Care

What We Do

The Centre seeks to foster and facilitate interdisciplinary collaboration across three domains: *Research and Evaluation*, *Education and Training*, and *Community Engagement*. A summary of Centre activities over the past year within each of these domains is provided below.

Information about current projects can be found at <http://www.usask.ca/cfbsjs/research/Current%20Projects.php>.

Research and Evaluation

Projects Sponsored by Correctional Service Canada

Identifying Dementia and Other Age-Related Needs of Older Offenders at the Regional Psychiatric Centre

This study seeks to screen for dementia in older inmates and identify the extent to which CSC is accommodating older offenders institutionally and in discharge planning. The pilot project is taking place in RPC with the potential to expand the study to CSC facilities in the Prairie Region. This project is partially funded by a Saskatchewan Health Research Foundation (SHRF) Collaborative Innovation Development Grant (valued at \$49,976).

Evaluation of the Regional Psychiatric Centre's Fetal Alcohol Spectrum Disorder (FASD) Pilot Project

This project consists of an evaluation of the Regional Psychiatric Centre's Fetal Alcohol Spectrum Disorder (FASD) pilot project, which will assess inmates eligible for release within 12 months for FASD, and implement a treatment plan for all assessed inmates. This process evaluation includes interviews with the FASD pilot team, document review and case plan monitoring to determine the extent to which treatment recommendations are implemented, pre-/post analysis of inmates' incident reports, and analysis of the FASD assessment results.

Regional Psychiatric Centre Admissions Study

This study analyses 15 years of RPC admissions and discharge data to identify the inmate profile; changes to the inmate profile over the 15-year period; the effectiveness of RPC's psychiatric treatment; and differences in recidivism outcomes by age, ethnicity, diagnosis and gender.

CSC-related Research

Several projects were identified as potential opportunities for the Centre and CSC to enhance their research collaboration. It is notable that several of the faculty and student research awards granted (see pages 15-16) are in areas that are of relevance to CSC and other correctional agencies. Thus, although these projects are not conducted by the Centre *per se*, they represent additional corrections-related research that is jointly sponsored by CSC and the Centre, and that contributes to the shared goal of supporting research that is of potential benefit to CSC and its programs and services.

Projects Sponsored by Saskatchewan Ministry of Corrections and Policing

Healthy Families Initiative

The Centre conducted a formative and process evaluation of the Healthy Families Initiative piloted in Regina from September 2016 to September 2018. This inter-ministerial initiative entailed the development and delivery of Signs of Hope, an evidence-informed program designed to provide intensive supports to complex families. The overarching objectives of Signs of Hope were to increase the well-being of families with complex needs and decrease their dependency on government programs and services. The initiative was a collaborative effort between the Saskatchewan Ministries of Justice, Social Services, Education, and Health.

Missing Person Project: Saskatchewan Police Predictive Analytics Lab

The Missing Persons Project is the inaugural project of the Saskatchewan Police Predictive Analytics Lab (SPPAL). The overall objective of the project is to develop the capacity to integrate and examine police and community safety data in order to develop predictive models and applied tools that can assist police and community safety partner agencies to intervene effectively to reduce risk and promote community safety. One of the Centre's contributions to this project was the development of a program logic model and evaluation framework.

Northeast Youth Violence Reduction Partnership

This Northeast Youth Violence Reduction Partnership (NYVRP) is a five-year project (April 2015 to March 2020) funded by the National Crime Prevention Strategy to develop and evaluate programs and services for high-risk youth in three northeastern Saskatchewan communities, with the aim of reducing youth offending and creating safer communities. Over the past year, the Centre completed a formative evaluation examining the first three years of the NYVRP. In the future, the Centre will conduct process and impact evaluations for this project.

Police Remand Risk Assessment Tool

This project involves the analysis of court and correctional data to assess the need for remand. Cleaning data, validating data, and matching data between court and correctional centres are completed. Furthermore, in order to facilitate extracting data from various datasets, an index table was created. The project is currently underway, performing further data mining on existing datasets.

Other Projects

LSI-Machine Learning Research Project

The project mainly includes two parts as follows: 1) studying unique patterns, or in other words, the way offenders complete the LSI-OR; and 2) employing a machine learning approach, such as Naive Bayes classifier, as an alternative to the LSI-OR. Several articles are underway.

LS/CMI Substance Abuse Project

Supported by the Ontario Ministry of Community Safety and Correctional Service, this project analyzes the Level of Service/Case Management Inventory (LS/CMI) and its ability to predict various types of recidivism in a sample of substance abuse offenders.

Saskatoon Mental Health Strategy Court Evaluation: Phase 2

The project includes two parts as follows: 1) a process evaluation utilizing surveys and interviews conducted with professionals involved in the Saskatoon Mental Health Strategy (MHS) Court; and 2) a pre-/post cost and outcome evaluation analyzing data on the initial cohort of the MHS Court obtained from the Saskatchewan Ministry of Corrections and Policing, the Saskatoon Health Region, and Saskatoon Police Service. The technical report for the process evaluation is in the final editing phase; the cost and outcome evaluation is expected to be completed in December 2019.

Saskatchewan Crime Survey

During 2014, the Centre developed and administered the Saskatchewan Crime Survey to examine Saskatchewan residents' perceptions of crime, feelings of safety and fear, and victimization experiences. To provide insight into the dark figure of crime (i.e., the number of crimes that go unreported), the survey also explored whether respondents had reported any crimes experienced to the police and their reasons for not doing so, where applicable. The Saskatchewan Crime Survey was re-administered in 2016 with the help of the Social Sciences Research Laboratories (SSRL) on campus. Both the 2014 and 2016 surveys were partially funded by the Royal Canadian Mounted Police 'F' Division. Data analysis of these surveys is ongoing.

Risk Factors for Youth Violence and Gang Involvement: Phase 2

The Centre is working on a meta-analysis and meta-synthesis related to the major risk factors associated with the onset and maintenance of youth violence and youth gang involvement for three age groups of interest: 6-11, 12-17, and 18-24. The portion of the meta-analysis pertaining to gang involvement was presented at the 2019 Canadian Psychological Association convention.

Restorative Action Program – Program Monitoring

The Centre continues to provide program monitoring and database administration support to the Restorative Action Program (RAP). The Centre is currently in the fifth year of data collection. This entails overseeing the use of the data collection system developed by the Centre for RAP and performing the end-of-year analysis and report on RAP's program performance data.

Tech-Enabled Hubs: A Pilot Implementation Project, Phase 2

The tech-enabled Hub project researches the extent to which information and communication technologies can enable small remote Saskatchewan communities to engage in collaborative risk-driven intervention. The pilot project will develop and support capacity for implementation. Through advisory support and developmental

evaluation, provincial partners will be supported in implementing a tech Hub in Ontario and Saskatchewan. There will be a consultation process with human service professionals, information and communication technology experts, and Hub practitioners. The plan involves an overview of key ingredients, anticipated challenges, and multiple tools to guide the implementation of a tech-enabled Hub. Centre consultant, Dr. Chad Nilson, has been contacted for questions, literature, and suggestions by interested parties in Boston, Toronto, Surrey, Ottawa, Kenora, Portage la Prairie, Halifax, and Charlottetown.

Completed technical reports for these projects can be found at http://www.usask.ca/cfbsjs/research/publications_reports.php and <http://www.usask.ca/cfbsjs/research/Hub%20Hub.php>.

Faculty Research Grants

The Centre offers research development grants to faculty members whose research investigates a topic of crime, justice or corrections from a social science, health science, legal, management or interdisciplinary perspective. In 2018, Sarah Burningham, College of Law, was awarded a grant for “Abortion in Saskatchewan: A History of the *Freedom of Informed Choice Bill*” (\$8,420.00) and Dr. Scott Thompson, Department of Sociology, was awarded a grant for “The Practice of Carding in Saskatoon: Community, Technology and Law” (\$10,000.00).

Education and Training

Graduate Student Research Awards

The Centre for Forensic Behavioural Science and Justice Studies provides support for University of Saskatchewan graduate students whose academic and/or research interests pertain to the areas of crime, justice, and corrections. Project-specific funding helps student researchers cover the direct cost of research activities.

Students granted a Research Award during the 2018-19 year are shown in Table 1:

Table 1: Research Award Recipients 2018-19

Recipient	Amount	Program/Dept.	Research Area
Kristine Lovatt	\$5,910.00	Masters student, Psychology	An Examination of Risk, Need, and Protective Factors among Saskatchewan Young Offenders: Implications for Risk Management and Community Reintegration

Recipient	Amount	Program/Dept.	Research Area
Bonnie Marwood	\$5,100.00	Masters student, Law	Failure to Thrive – The Inaccessibility of Gladue Reports
Kelsey Morrison	\$2,959.39	Masters student, Psychology	Examining Adult Attachment- and Psychopathy-Related Variables Within the Social Communication Model of Pain
Storm Lee Sanders	\$3,847.65	PhD student, Interdisciplinary Studies	Exploring Loss of Cree Culture as a Criminogenic Need
Carissa Toop	\$6,000.00	PhD student, Psychology	Use of the Violence Risk Scale to Assess Risk, Identify Treatment Needs, and Measure Risk-Relevant Treatment Change in a Sample of Intimate Partner Offenders
Farron Wielinga	\$5,502.20	Masters student, Psychology	Use of Dynamic Risk Instruments to Assess Sexual Violence and Evaluate Change in a Community Based Sexual Offense Program

Postgraduate Degree Specialization Certificate in Corrections

In collaboration with the Saskatchewan Ministry of Corrections and Policing, the Centre established a Postgraduate Degree Specialization Certificate in Corrections at the University of Saskatchewan in 2012. Targeted to senior managers employed in the field of corrections, this two-year applied training program emphasizes advanced knowledge and professional skill development and evidence-based practice in the areas of offender assessment, case management, clinical supervision, program evaluation and research. Program instruction is shared by Senior Clinical Directors from the Ministry of Corrections and Policing, as Professional Affiliates of the Department of Psychology, as well as Department of Psychology faculty members.

Undergraduate and Graduate Research Training and Supervision

During 2017-18, the Centre contributed to the training and supervision of several undergraduate and graduate students. The students gained experience in hands-on data collection, analysis and research report writing experience and contributed to the successful completion of these projects.

Sheldon Moellenbeck, an undergraduate student in Psychology, completed an honours thesis project in which he analyzed data from the 2016 Saskatchewan Crime Survey. Specifically, Sheldon examined fear of crime among Saskatchewan residents living in urban and rural locations. Kelsey Brown, a doctoral student in the Applied Social Psychology Program, undertook the staff survey component of the RPC Dementia study for her practicum. She assisted in the survey design, and will analyze the data and write the final report. Alexandra Zidenberg, another doctoral student in the Applied Social Psychology Program, completed an internship, which involved analyzing data and writing a report on professionals' perceptions of the Saskatoon MHS Court. She is also completing a practicum placement where she will conduct the analysis and write the final report for the MHS Court outcome evaluation.

Community Engagement: Fostering Academic and Public Dialogue

Centre Website

The Centre's website is a key means of further engaging with the local, national and international criminal justice and research communities. The website contains information on the Centre members' research interests, Centre funding programs, events, past and current projects and reports, local news stories and links to Centre members' media presence. The website also features links to videos of Public Forum 2018 (further details below) and the lived experience plenary from Violence and Aggression Symposium 2018 (further details below). Check out the website at: www.usask.ca/cfbsjs.

Violence and Aggression Symposium

Each year, the University of Saskatchewan, in conjunction with the Regional Psychiatric Centre, Correctional Service Canada, hosts either the Violence and Aggression Symposium or the International Custody and Caring Conference. These alternating conferences bring together researchers and professionals working in the criminal justice, corrections, and forensic mental health fields, and provide opportunities to explore current theories, research and practice related to the care, treatment and rehabilitation of offenders and issues unique to working in forensic and correctional environments.

The Centre hosted the 17th biennial Violence and Aggression Symposium May 6-8, 2018. A collaborative effort of the Regional Psychiatric Centre, Correctional Service Canada, and the University of Saskatchewan, the symposium is targeted to front-line workers, as well as clinicians and other professionals and administrators in criminal justice and forensic mental health. The Symposium translated research and theory into practice and provided an opportunity to highlight excellence and innovation within a variety of correctional and criminal justice environments. The Symposium featured experts in the areas of Indigenous issues, harm reduction and substance abuse, human trafficking, lived experience, mental health, policing, transgender offenders, and violent offenders. There

were 4 plenaries and 11 concurrent sessions. The Symposium was sponsored by Correctional Service Canada; Government of Saskatchewan (Ministry of Corrections and Policing, formerly Ministry of Justice); City of Saskatoon; Saskatoon Police Service; University of Saskatchewan Conference Fund; U of S Colleges of Law, Medicine, and Nursing; Saskatchewan Health Research Foundation (SHRF); and Social Sciences and Humanities Research Council of Canada (SSHRC).

The Symposium featured plenary speakers:

- Lisa Allgaier, Director General, Aboriginal Initiatives Directorate, Correctional Service Canada;
- R. Nicholas Carleton, Ph.D., Professor of Psychology, Department of Psychology, University of Regina and Rose Ricciardelli, Ph.D., Professor, Department of Sociology, Memorial University of Newfoundland;
- Gord Garner, Chair, Recovery Day Ottawa and Executive Director, Community Addictions Peer Support Association; and
- Daryl Kroner, Ph.D., Professor, Department of Criminology and Criminal Justice, Southern Illinois University.

The Symposium featured workshop speakers:

- Gregory Brown, Intelligence Liaison Officer, Criminal Intelligence Service Ontario;
- Dean Carey, M.S.W., R.S.W., Director, Offender Programs in Corrections and Policing, Ministry of Corrections and Policing;
- Brian Danyliw, M.S.W., Director of Addictions Services, Saskatchewan Health Region;
- Renee Duffield, Deputy Director of Programs, Regina Correctional Centre;
- Bruce Fenske, Criminal Intelligence Analyst, RCMP;
- William Hébert, Ph.D. candidate in Anthropology and Junior Fellow, Centre for Criminology and Sociological Studies, University of Toronto;
- Staff Sergeant Lindsey Houghton, Media Relations Officer, Combined Forces Special Enforcement Unit of British Columbia;
- Natalie Jones, Ph.D., Adjunct Research Professor, Department of Psychology, Carleton University, and Senior Program Evaluator, NSERC-SSHRC Evaluation Division;
- Roz Kelsey, Ph.D., Director of the Office of Gendered Violence Prevention Strategies, University of Regina;
- Samantha Lytle, ViCLAS Analyst, Saskatchewan Provincial ViCLAS Centre, Royal Canadian Mounted Police;
- Kevin Nunes, Ph.D., Director of the Aggressive Cognitions and Behaviour Research Lab and Director of the Forensic Psychology Research Centre, Carleton University;
- Colleen Quinlan, M.S.W. (R.Psych), M.P.A., Executive Director, Mental Health and Addictions, Integrated Health Services – Urban, Saskatchewan Health Authority;
- Natasha Selinger, ViCLAS Analyst, Saskatchewan Provincial ViCLAS Centre, Royal Canadian Mounted Police;

- Keira Stockdale, Ph.D., Registered Doctoral Psychologist, Saskatchewan College of Psychologists, Clinical Psychologist of Policing, Saskatoon Police Service, Adjunct Professor, Department of Psychology, University of Saskatchewan;
- Peter Vatic, Director of Strategic Research, Combined Forces Special Enforcement Unit of British Columbia;
- John Weekes, Ph.D., Senior Research Manager, Research Division, National Headquarters, Correctional Service Canada, Adjunct Professor, Carleton University; and
- Catherine Wilson, Strategic Research Analyst, Combined Forces Special Enforcement Unit of British Columbia.

V&A Canadian Association of Threat Assessment Professionals Workshop

CATAP hosted a one-day post-Symposium workshop featuring Dr. Laura Guy, Vice-President of CATAP, and concluded with a panel featuring Dr. Steve Wormith; Detective Darrin Harvey, Saskatoon Police Service; and Darren Balsom, CATAP President. For more information, see http://www.usask.ca/cfbsjs/va_symposia/VA2018/index.php.

Conference Sponsorship – Custody and Caring

On October, 2019, the 16th Biennial International Custody and Caring Conference on the Nurse’s Role in the Criminal Justice System will be held in Saskatoon. Chaired by Prof. Cindy Peternelj-Taylor, College of Nursing, the 2019 theme is *Social Justice in Forensic Mental Health and Correctional Nursing* and will feature keynote speakers Francoise Mathieu, co-Executive Director of TEND and author of *The Compassion Fatigue Workbook*, and author Pete Earley. The Centre is proud to provide financial sponsorship for this event and to host an exhibitor booth that provides another opportunity for Centre staff and students to highlight recent Centre projects and network with conference speakers and delegates.

Technical Reports

- Jewell, L. M., & Wormith, J. S. (2019). *SPPAL Missing Persons Project: Program logic model and evaluation framework*. Saskatoon, SK: Centre for Forensic Behavioural Science and Justice Studies—University of Saskatchewan.
- Jewell, L. M., Mulligan, S., & Wormith, J. S. (2019). *Northeast Youth Violence Reduction Partnership (NYVRP) formative evaluation: April 2015 – March 2018*. Saskatoon, SK: Centre for Forensic Behavioural Science and Justice Studies—University of Saskatchewan.
- Jewell, L. M., Mulligan, S., & Wormith, J. S. (2019). *Signs of Hope pilot project: Phase 2 evaluation report, January to September, 2018*. Saskatoon, SK: Centre for Forensic Behavioural Science and Justice Studies—University of Saskatchewan.
- Jewell, L. M., Mulligan, S., & Wormith, J. S. (2018). *Signs of Hope pilot project: Formative evaluation report, 2015-2017*. Saskatoon, SK: Centre for Forensic Behavioural Science and Justice Studies—University of Saskatchewan.

- Spiteri, R. J., Azizi, M., & Oraji, R. (2019). *Remand Data Matching*. Saskatoon, SK: Centre for Forensic Behavioural Science and Justice Studies—University of Saskatchewan.

Public Forum 2018 – RAP

On October 22, the Centre hosted the Public Forum 2018, titled *The Restorative Action Program (RAP): A School-Based, Community-Driven Initiative*. The Forum was supported by the University of Saskatchewan College of Arts and Science Role Model Fund, College of Law, as well as Correctional Service Canada. Centre consultant, Carolyn Camman, headlined the event and panelists included Winston Blake, Executive Director, Restorative Action Program; Dr. Cyril Coupal, Senior Research Associate, Digital Integration Centre of Excellence, Saskatchewan Polytechnic; and Dr. Arthur Whetstone, President of Whetstone Consulting. The event was live-streamed and the video was then placed on the University's YouTube channel (<http://www.usask.ca/cfbsjs/news/2017/live-stream-of-the-new-era-of-service-delivery.php>); 45 people have viewed the video as of March 31, 2019.

Funding

Summary of 2018-19 Revenues and Expenditures

The Centre receives financial support through a second 5-year Memorandum of Agreement with the Correctional Service Canada (2014-2019), a 10-year Memorandum of Understanding with the Saskatchewan Ministry of Corrections and Policing (2010-11 to 2019-20), and the remainder of a 5-year Memorandum of Understanding with the Royal Canadian Mounted Police (2012-17). The Centre receives various amounts of financial and in-kind support through from the Colleges of Arts and Science, Law, Medicine, and Nursing. The following table summarizes Centre revenues and expenditures over the period April 1, 2018 to March 31, 2019.

University of Saskatchewan Centre for Forensic Behavioural Sciences and Justice Studies Statement of Operations and Change in Fund Balance For The Year Ended March 31, 2019	
	March 2018-19
Revenue:	
Government of Canada	137,500.00
Government of Saskatchewan	256,512.00
Non-Governments	(7,802.35)
V&A Registrations	21,816.14
Other Sources	3,500.00
Total Revenue	<hr/> 411,525.79
Expenditures:	
Salaries & Benefits	240,012.38
Contracted Services	9,023.36
Indirect Costs & Overheads	20,865.72
Conference & Workshop Support	0.00
Travel	20,878.96
Scholarships, Bursaries, Grants & Awards	112,600.94
Other Operational Expenditures	46,463.41
Total Expenditures	<hr/> 449,844.77
Net Surplus/(Deficit)	<hr/> (38,318.98)
Balance, beginning of year	<hr/> 341,600.07
Balance	<hr/> <u>303,281.09</u>