

# Centre for Forensic Behavioural Science and Justice Studies

Annual Report 2016-2017



UNIVERSITY OF SASKATCHEWAN

Centre for Forensic  
Behavioural Science  
and Justice Studies

[USASK.CA/CFBSJS](http://USASK.CA/CFBSJS)



**UNIVERSITY OF SASKATCHEWAN**

**Centre for Forensic  
Behavioural Science  
and Justice Studies**

**USASK.CA/CFBSJS**

**Annual Report 2016-17**

# TABLE OF CONTENTS

Message from the Director .....	4
Who We Are .....	8
Centre Staff .....	8
Centre Consultants.....	9
Centre Members.....	10
Executive Committee.....	10
Advisory Board.....	12
What We Do .....	13
Examination of the Validity of Accountability, Motivation, and Engagement Assessed at Intake.....	13
Refined Model of Care.....	13
Other CSC-related Research.....	13
Healthy Families Initiative.....	14
Missing Person Project: Saskatchewan Police Predictive Analytic Laboratory.....	14
Northeast Youth Violence Reduction Partnership.....	14
World Health Organization Disability Assessment Schedule (WHODAS 2.0).....	14
Saskatchewan Crime Survey.....	15
Tech-Enabled Hubs: A Research and Planning Project.....	15
Identification of Risk Factors for Youth Violence and Gang Involvement: Meta- Analysis/Meta-Synthesis (Phase 2).....	15
Intensive Rehabilitative Custody and Supervision Program (IRCS) Jurisdictional Scan.....	15
Intensive Rehabilitative Custody and Supervision Program (IRCS) Case Site Analysis and Evaluation Plan.....	15
LS/CMI Substance Abuse Project.....	16
Mental Health Strategy in the Provincial Court of Saskatchewan at Saskatoon Evaluation Phase 3.....	16
Programming Review - Elizabeth Fry.....	16
Police and Crisis Team (PACT) Evaluation.....	16
Restorative Action Program - Program Monitoring.....	17
Annual Report 2016-17   Centre for Forensic Behavioural Science and Justice Studies	2

Restorative Action Program - Qualitative Outcome Study.....	17
Faculty Research Grants .....	17
Education and Training.....	17
Graduate Student Research Awards and Scholarships .....	18
Postgraduate Degree Specialization Certificate in Corrections .....	19
Undergraduate and Graduate Research Training and Supervision .....	19
Community Engagement: Fostering Academic and Public Dialogue .....	20
Centre Website.....	20
Violence and Aggression Symposium .....	20
Conference Sponsorship - Custody and Caring .....	21
Conference Sponsorship - Collaborative Analytics for Safer Communities.....	21
Conference Presentations.....	21
Peer-Reviewed Journal Articles.....	23
Public Forum 2016: Home Fire: Ending the Cycle of Family Violence .....	24
Funding .....	25
Summary of 2014-15 Revenues and Expenditures .....	25

## **Message from the 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, 2016-17 marked the fifth full year of operation as a University Centre. In my view, the Centre has established itself on the University of Saskatchewan campus as an active and fully operational Centre with a diverse collection of programs and activities either completed or under way. Below are some of the highlights from 2016-17 and a look at possibilities for the future.

The Centre is delighted to maintain its working relationship with its three key partners in the justice community: the Correctional Service of Canada (CSC) along with its local facility the Regional Psychiatric Centre, the RCMP F Division (Saskatchewan), and the Saskatchewan Ministry of Justice, Corrections and Policing Division. The latest player on the scene is the Community Safety Knowledge Alliance (CSKA), which was created with the assistance of the Saskatchewan Ministry of Justice, is based in Saskatoon, and has begun to refer research projects to the Centre that focus on Saskatchewan justice issues, particularly in the north.

The content of this Annual Report describes in some detail a listing of ongoing and completed projects. I would like to highlight a few of them that were approaching completion at year's end and I believe represent some of the Centre's important justice-related work.

We have been working closely with the Correctional Service of Canada (CSC) to complete evaluation projects for assessing the accountability, motivation, and engagement on intake of offenders and to complete a feasibility study for the CSC's new refined model of care. A review of parallel crime victimization data sets for the RCMP and Saskatchewan Justice that offered a snapshot of (victim reported) crime in Saskatchewan was completed in 2014 and was repeated in 2016 in order to track trends over time. It is anticipated that the survey will be repeated triennially. Doctoral student Mohammed Abdulai has been assisting the Centre on a number of projects although primarily on the Crime Survey. As well, in partnership with RCMP, Community Safety Knowledge Alliance (CSKA), and Dr. Chad Nilson of Living Skies Centre for Social Inquiry, the Centre completed a Tech-Hubs pilot project plan, investigating technological solutions to offering Hubs in remote northern communities in Saskatchewan. A former employee and current consultant to the Forensic Centre, Dr. Chad Nilson continues working with the Centre extending his earlier work on the Hub Model, which has since been applied to many jurisdictions across Canada.

Other projects for the Saskatchewan Ministry of Justice, Corrections and Policing and Saskatchewan Ministry of Social Services, included establishing the framework for the 5-year Healthy Families Initiative.

The Centre continues its ongoing evaluation of Saskatoon's Mental Health Strategy (MHS), a specialized court for accused persons with mental health issues. The graduate-student led study aims to determine the potential impact of the MHS on its participants. The Centre is

also involved with CSKA Intensive Rehabilitative Custody and Supervision Program (IRCS) jurisdictional scans and the development of a case study. It has also continued its collaborative evaluation project with the Saskatoon Police Service, Saskatoon Health District, and the Saskatoon Crisis Centre on the Police and Crisis Team (PACT) program in Saskatoon.

The Centre's engagement with the voluntary sector is represented most strongly by continued new contracts 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. Carolyn Camman, a former employee and now consultant to the Forensic Centre, continues to spearhead this initiative.

Dr. Myles Ferguson joined the Centre during 2016 and completed an evaluation of the World Health Organization Disability Assessment Schedule (WHODAS 2.0) application in Saskatchewan that was conducted for the Saskatchewan Ministry of Social Services.

The formal signing of a Memorandum of Agreement between the University of Saskatchewan (CFBSJS), the Saskatchewan Ministry of Justice, and the Saskatoon Police Service (SPS) to establish the Saskatchewan Police Predictive Analytics Laboratory (SPPAL) in the new SPS building in Saskatoon occurred in 2015-16. This agreement allows for the creation of a highly sophisticated and highly secure computer laboratory to collate and analyze large collections of data from various sources, including policy agencies, social services and health-related organizations. The purpose of the SPPAL is to conduct research that will facilitate police operations and contribute to crime prevention in Saskatchewan and ultimately beyond. The first project that has been sanctioned by the three partners is a study on missing persons in Saskatchewan. The Centre is fortunate to have Dr. Daniel Anvari, from the Department of Mathematics, as a part-time staff member and the lead representative of the Centre in the SPPAL.

The Centre's core programs (Faculty Research Grants, Student Research Awards, and Graduate Student Scholarships) continued through 2016-17, with 2 graduate student scholarships being awarded, 1 new graduate student research project supported and 2 faculty proposals being funded (pages 17-18): Master's student Carmen Dell for *Participant Experience in the Mental Health Strategy (MHS) Court in Saskatoon*; and faculty members John Hansen for *U of S Indigenous Students' Perceptions of the Justice System*; Brenda Mishak for *Literature Review to Develop Nurse Practitioner Associated Outcome Metrics with Correctional Settings in Canada*. In all, over \$15,000 was awarded to faculty and students in 2 different colleges. I wish to extend my congratulations to all recipients and my sincere gratitude to all of the adjudicators that sat on the respective approval committees.

The Centre hosted a Public Forum at the University of Saskatchewan entitled, *Home Fire: Ending the Cycle of Family Violence*, featuring Dr. Patti Laboucane-Benson of Native Counselling Services of Alberta. The event was broadcast live on the Internet and then posted on the Centre's website.

The sixteenth edition of the Biennial Symposium on Violence and Aggression (V&A) was held May 15-17, 2016. With the low cost setting and contributions from the Correctional Service of Canada, Saskatchewan Justice, the Saskatoon Police Service, and SSHRC, it was

able to remain financially viable and turned a modest profit. Two of the presentations were subsequently published in the journal, *Community Safety and Wellbeing*, which is published by CSKA. Delegate feedback was also very supportive and appreciative of the excellent list of speakers who were able to amass for the event. Therefore, planning is underway for the seventeenth V&A conference to be held in May, 2018. The Centre would like to express its appreciation and offer thanks to the volunteer members of V&A Planning Committee, who represented various Centre partners and committed many hours to bring the conference to a reality. We are also indebted to Dr. Joanie Crandall, the Centre coordinator, who spearheaded the conference planning activities and earned an Administrative and Supervisory Personnel Association (ASPA) Merit Award in 2016.

Representing justice-interested faculty members, the Executive Committee forms a key part of the governance structure of the Centre. The Committee consists of nominees from the four core colleges that are affiliated with the Centre, the College of Arts and Science, the College of Law, the College of Medicine, and the College of Nursing. It also assists the Centre in navigating through existing operational issues and charting its future course. In 2016-17, the relationship between the University of Saskatchewan and the Regional Psychiatric Centre was an important agenda item for the Executive Committee. The conscientious efforts of Executive Committee members played a key role in conveying faculty concerns to senior management of the University and in moving these discussions forward. We would also like to thank them for their voluntary participation on this committee.

The Advisory Board members of 2015-16 have continued their advisory role with the Centre through 2016-17. We have also welcomed new members Dr. Robert Innes from the Department of Indigenous Studies and Dr. Camelia Adams from the Department of Psychiatry. We would like to thank Dr. Rudy Bowen for his service to the Centre. We also welcomed the return of Vice Dean Research, Scholarly and Artistic Work Jack Gray, College of Arts and Science Associate.

Centre staffing changes included welcoming Susan Mulligan as the interim research officer for the Centre during the maternity leave of Dr. Lisa Jewell. We would like to thank postdoctoral fellow Dr. Krista Mathias for her work for the Centre during her tenure and wish her the best in her future endeavours.

As we look to the year ahead, we are actively preparing for a number of interesting and, we hope, important research and evaluation projects. We will continue to look at issues related to crime, social conditions, and crime prevention opportunities in northern Saskatchewan. We will examine the issue of bail, the increasing number of accused persons held in custody and the role of pretrial risk assessment.

We will also 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.

A handwritten signature in cursive script, appearing to read 'J. Stephen Wormith'.

J. Stephen Wormith  
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. Drawing on a wealth of expertise spread across the Colleges of Arts and Science, Law, Medicine and Nursing, and in unique partnership with the Correctional Service Canada, the Saskatchewan Ministry of Justice – Corrections and Policing, and the Royal Canadian Mounted Police, F Division, the Centre is a gateway to information, knowledge and inquiry into the vast and multi-faceted 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 Aboriginal peoples, women and youth.

## *Centre Staff*

The Centre is led by **J. Stephen Wormith**, Ph.D., Professor, Department of Psychology and former Research Chair in Forensic Psychology (1999-2005). Dr. Wormith's research interests pertain to the assessment and treatment of offenders, including particular offender groups such as young offenders, sexual offenders, and gangs. He consults with corrections departments in Saskatchewan, Ontario, and Canada, serves in court as an expert witness on matters of offender assessment and treatment, and conducts training of offender risk assessment in Canada and internationally.

**Joanie Crandall**, B.A., 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, Joanie 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, a lecturer for the College of Education, and the Book Review Editor for the Journal of the Canadian Association for Curriculum Studies. She is also an Executive Committee member of ASPA and a Member-at-Large for CUPE 3287.

**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. He 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. He has experience working for Public Health Agency of Canada (PHAC), Ontario Ministry of Health,

Saskatchewan Ministry of Social Services, and private industry in Saskatchewan and Ontario.

**Lisa Jewell**, B.Sc. (Hon.) Psychology, M.A. and Ph.D. in Applied Social Psychology, joined the Centre as a Research Officer in 2013. She has 10 years of experience with research and program evaluation and is a credentialed evaluator through the Canadian Evaluation Society. Lisa has played an integral role in numerous Centre projects a research study examining Housing First for individuals with concurrent mental disorders and the development and analysis of a provincial survey assessing crime, safety, and victimization in Saskatchewan. She is on leave until January 2017.

**Krista Mathias**, B.A. (Hon.) Criminal Justice and Ph.D. in Health Studies and Gerontology, joined the Centre as a Postdoctoral Fellow in May 2015. She is also an Associate Fellow of interRAI. Her Ph.D. research focused on gender-based analysis assessing the influences that predict three outcomes among forensic mental health patients in Ontario including restriction to room (seclusion/confined to room), unaccompanied leaves, and freedom of movement. As a Postdoctoral Fellow, Krista's main research focus falls under the purview of Correctional Services Canada; however, she also supports other Centre projects such as the Saskatoon Mental Health Strategy Court evaluation.

**Medhi Ghasemi**, Ph.D. in Algebra and Optimization, joined the Centre as a Postdoctoral Fellow in 2015. He has a M.Sc. in Logic with focus on complexity classes of computable functions. His research experience is mainly on applications of the moment problem in optimization, machine learning, statistical learning and data analysis. He is currently working on a project about analysis of missing children phenomena in Saskatchewan.

**Susan Mulligan**, B.A. (Hon.) in Political Studies and M.A. in City Planning, joined the Centre in January 2017. Susan 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.

### ***Centre Consultants***

**Carolyn Camman**, B.A. (Hon.) Psychology and Criminology and M.A. in Applied Social Psychology, joined the Centre as a Research Officer for 2013-2015. She has over three years of experience conducting evaluation and applied research in a variety of areas, specializing in working with criminal justice-related organizations in Saskatchewan. Her 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., J.D., provides research support to the Centre. Myles has completed reports for several governmental and community-based organizations that address issues of community concern including public health and safety, public policy, indigenous issues and forensics, among other areas. Myles also has an interest in program evaluation research, and has participated in several evaluation projects involving programs for at-risk indigenous youth.

**Chad Nilson**, B.S. and M.A. in Criminal Justice and 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 playing a key role in the development of process and output indicators for the Community Mobilization initiative in Prince Albert and the province's Building Partnerships to Reduce Crime strategy. Chad 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 members representing the Departments of Psychology and Sociology (College of Arts and Science), the Colleges of Education, Law, Medicine, and Nursing, the Schools of Public Health and Public Policy, as well as several community members who have current and/or former 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](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:

- **Heather Heavin, College of Law.** Professor Heavin is the Associate Dean, Graduate Studies & Research 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. Heather 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.
  
- **Arlene Kent-Wilkinson, RN, CPMHN(C) BSN, MN, PhD, College of Nursing.** Dr. Kent-Wilkinson has developed and taught many online courses in forensic nursing and Aboriginal health and has been recognized provincially, nationally and internationally for her work in forensic nursing education. Dr. Kent-Wilkinson and colleagues conducted a province-wide needs assessment of programs and services for mentally disordered offenders in Saskatchewan in late 2012. Currently, she is the Saskatchewan representative on the board of the Canadian Federation of Mental Health Nurses.
  
- **Tammy Marche, Ph.D., Professor, Department of Psychology, St. Thomas More College.** Dr. Marche is a cognitive developmental psychologist specializing in memory development and is Professor of Psychology at St. Thomas More College, University of Saskatchewan. She holds a PhD in Experimental Psychology from Memorial University of Newfoundland. Her teaching and research fall under the domains of cognitive, developmental, forensic, and educational psychology. Research in her lab focuses on advancing the experimental literature on memory as well as extending this research to more applied settings. She has examined a number of forensic-related issues (e.g., accuracy of children's testimony), and teaches psychology and law courses at the undergraduate and graduate levels.
  
- **Mansfield Mela, MBBS, FWACP, MRC (Psych), MSc, FRCPC.** Dr. Mela is Clinical Professor, Department of Psychiatry, College of Medicine, and forensic psychiatry consultant at the Regional Psychiatric Centre, Correctional Service Canada. His research focuses on biopsychosocial aspects of forensic mental health, with specific interests in the areas of fetal alcohol spectrum disorder, forgiveness, spirituality, and ADHD.

## ***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. The Centre welcomed new member Dr. Robert Innes to the Board in 2016 and Dr. Camelia Adams succeeded Board member Dr. Rudy Bowen in 2017.

Board members include:

- **Jack Gray**, Ph.D., Vice-Dean, Research, Scholarly and Artistic Works, College of Arts and Science
- **Dr. Camelia Adams**, Faculty of Psychiatry, University of Saskatchewan
- **Dr. Olajide Adelugba**, Psychiatrist and Director of Research, Regional Hospital, Regional Psychiatric Centre (Prairies), Correctional Service Canada
- **Mr. Morgan Hackl**, Chief, Fire and Protective Services, City of Saskatoon
- **Robert Innes**, Ph.D., Department of Indigenous Studies, University of Saskatchewan
- **Mr. 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 Justice – Corrections and Policing
- **Mrs. Nina Sahasrabudde**, Superintendent, F Division, Operations Strategy Branch, Royal Canadian Mounted Police
- **John Weekes**, Ph.D., Acting Director, Research Branch, Correctional Service Canada

## 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**

##### **Examination of the Validity of Accountability, Motivation, and Engagement Assessed at Intake**

The project will examine accountability, motivation and engagement ratings conducted at intake among federal offenders to determine whether they accurately measure constructs they were designed to measure. Where number allow, results are disaggregated by gender and Aboriginal ancestry. This project consists of 2 phases: (1) Correlational analysis of ratings with a variety of variables (institutional charges, program completion, admissions to segregation, etc.); (2) A file review of behaviours, assessments or written reports for evidence of offender's accountability, motivation and engagement rating levels. The final report of the first phase will be completed by March 30, 2017.

##### **Refined Model of Care**

The project will evaluate the feasibility of a review of the clinical outcomes among offenders who are receiving treatment within CSC's new Refined Model of Care. In the second stage of the research, offenders within the Intermediate level of care (high and moderate intensity) at RPC will be monitored prospectively to assess clinical outcomes. The report will be completed by March 30, 2017.

##### **Other CSC-related Research**

In addition to the above, several other projects were identified as potential opportunities for the Centre and CSC to enhance their research collaboration. Although project details remain preliminary, communication is ongoing and it is expected that more project work with CSC will be undertaken in the next reporting period. It is notable, however, that several of the faculty and student research awards granted over the past year (see pages 17-19) 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 Justice**

#### **Healthy Families Initiative**

The Centre is conducting a formative and summative evaluation of the Healthy Families Initiative being piloted in Regina from September, 2016 to March, 2020. It is a partnership between the Ministries of Justice, Social Services, Education, and Health.

#### **Missing Person Project: Predictive Analytic Laboratory at Saskatoon Police Service**

The main purpose of this project is to set the platform for performing data analysis for the notion of missing persons. In this direction, missing persons are classified in three categories: intentional, unintentional and forced. Lists of causal factors and consequences of each category are given. In addition, to fulfil a complete risk analysis, measuring the intensity of an incident based on the subject's whereabouts and situations is explored. The administration tool is complete. Work is underway on the software interface.

#### **Northeast Youth Violence Reduction Partnership**

The project is funded by the National Crime Prevention Centre to develop and evaluate programs and services targeted to high-risk youth in three northern Saskatchewan communities over five years, with the aim of reducing youth offending and creating safer communities. The Centre is responsible for conducting formative, process, and impact evaluations.

#### **World Health Organization Disability Assessment Schedule (WHODAS 2.0)**

This was a 2-part project, with a literature review outlining the development and evaluation of the WHODAS 2.0, its psychometric properties, and its use in various jurisdictions as it pertains to its applicability to disability benefit programs.

## **Projects Sponsored by Royal Canadian Mounted Police, 'F' Division**

### **Saskatchewan Crime Survey**

During 2014, the Centre undertook a 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. Results from the survey were presented at several conferences in 2015. The SK Crime Survey re-administered in 2016 with the help of the Social Sciences Research Lab (SSRL) on campus. This project will analyze data from across the province in two parts: one will focus on RCMP-policed jurisdictions and the other will include respondents who live in both RCMP-policed and municipally policed jurisdictions. The Centre is funding the municipally policed sections of the survey work.

### **Tech-Enabled Hubs: A Research and Planning Project**

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. An action plan for implementing a tech-enabled Hub in Saskatchewan will be created from the research gathered.

## **Other Projects**

### **Identification of Risk Factors for Youth Violence and Gang Involvement: Meta-Analysis/Meta-Synthesis**

Funded by Public Safety Canada, the Centre, in collaboration with a multi-disciplinary team of researchers, was awarded a contract to conduct a comprehensive review, meta-analysis and meta-synthesis of the available literature on youth violence and youth gang involvement. The aim of the project is to identify the factors that are most strongly associated with delinquency, violent activity, and gang involvement among children and youth 6 to 24 years of age. The comprehensive literature review and meta-analysis screening has been completed. Calculations will be conducted in 2017.

### **Intensive Rehabilitative Custody and Supervision Program (IRCS) Jurisdictional Scan**

The project was a jurisdictional scan of the mental health, education, and employment programs available to IRCS youth returning to northern Saskatchewan to support their community reintegration and the possible technologies that may be used to increase their access to any required programming. The jurisdictional scan included a literature review,



interviews with mental health and corrections professionals, and an environmental scan of the programs and technologies available in 30 northern Saskatchewan communities.

### **Intensive Rehabilitative Custody and Supervision Program (IRCS) Case Site Analysis and Evaluation Plan**

A contract has been signed for a case site analysis of a community to which a single IRCS youth will be returning to complete his/her sentence will be conducted to determine how technology can be used to meet the youth's mental health, education, or employment needs within the community. The Saskatchewan Ministry of Justice will be responsible for implementing any recommended technology and programming, while the Centre will complete an evaluation plan outlining how the new service delivery modality will be evaluated. This project is being completed for Community Safety Knowledge Alliance (CSKA).

### **LS/CMI Substance Abuse Project**

Funded by the Ontario Ministry of Community Safety and Correctional Service, the project is an analysis of 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.

### **Mental Health Strategy in the Provincial Court of Saskatchewan at Saskatoon Evaluation Phase 3**

The project was a pre-/post-outcome evaluation of initial cohort of the Mental Health Strategy Court within the Provincial Court of Saskatchewan in Saskatoon. Interviews were conducted among professionals, clients, and family members of clients involved in the MHS court. An impact assessment of the Mental Health Strategy will be conducted. With the support of a student from the College of Law and a Masters student from the College of Nursing, interviews among professionals, clients and family members involved in the MHS court will be conducted in 2017-2018.

### **Programming Review – Elizabeth Fry**

The Centre has been invited to complete a process evaluation of the Women's Services programs offered by the Elizabeth Fry Society of Saskatchewan.

### **Police and Crisis Team (PACT) Evaluation**

Funded by Saskatoon Health Region, in partnership with Saskatoon Crisis Intervention Service, and the Saskatoon Police Service, the Centre completed a process evaluation of

the Police and Crisis Team (PACT) program in Saskatoon with an Applied Social Psychology internship. A second evaluation, a mixed methods inquiry of client experiences, will be completed by an Honours student in Psychology for April, 2017.

### **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.

### **Restorative Action Program – Qualitative Outcome Study**

A qualitative outcome study of RAP concluded in September 2016. The evaluation used the Success Case Method, which identified exemplary instances of success within a program and explored these as case studies to identify what factors contribute to success. This process generated learning and insights that can be used to inform the program in general and verify that the program's theory is plausible.

Completed technical reports for these projects can be found at [http://www.usask.ca/cfbsjs/research/publications\\_reports.php](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. During 2016-17, the Centre was pleased to have granted faculty awards for the following projects:

- **Award Recipient:** Prof. Brenda Mishak  
**Award Value:** \$5,171.00  
**Project Title:** *Literature Review to Develop Nurse Practitioner Associated Outcome Metrics within Correctional Settings in Canada*
  
- **Award Recipient:** Prof. John Hansen  
**Award Value:** \$7,326.00  
**Project Title:** *University of Saskatchewan Indigenous Students' Perceptions of the Justice System*

## ***Education and Training***

### **Graduate Student Research Awards and Scholarships**

The Centre for Forensic Behavioural Science and Justice Studies provides two types of support for University of Saskatchewan graduate students whose academic and/or research interests pertain to the areas of crime, justice, and corrections. ***Research Awards*** provide project-specific funding to help student researchers cover the direct cost of research activities while ***Scholarships*** provide general educational support for students pursuing graduate studies in an area of relevance to forensic behavioral science and justice studies. Students in receipt of a Centre Scholarship award must fulfill a work commitment of up to 10 hours per week through which they contribute to a variety of ongoing Centre research projects and activities.

Students granted a ***Research Award*** during the 2016-17 year are shown in Table 1:

**Table 1: Research Award Recipients 2016-17**

<b>Recipient</b>	<b>Amount</b>	<b>Program/Dept.</b>	<b>Research Area</b>
Carmen Dell	\$3,000.00	Masters student, Nursing	Exploring the Experiences of Participants Who Have Accessed the Mental Health Strategy Court in Saskatoon

Students granted a ***Scholarship*** during 2016-17 for the 2016-17 academic year are listed in Table 2:

**Table 2: Scholarship Recipients 2016-17**

<b>Recipient</b>	<b>Amount</b>	<b>Program/Dept.</b>	<b>Area of Research Interest</b>
Mohammed Abdulai	\$18,000	Ph.D. student, Sociology	Cybercrime
Carmen Dell	\$18,000	Masters student, Nursing	Exploring the Experiences of Participants Who Have Accessed the Mental Health Strategy Court in Saskatoon

Note: No scholarships will be awarded for the 2017-18 academic year as the funder wishes to re-allocate these resources into funding a second postdoctoral fellowship position.

## **Postgraduate Degree Specialization Certificate in Corrections**

In collaboration with the Saskatchewan Ministry of Justice – 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 Justice, as Professional Affiliates of the Department of Psychology, as well as Department of Psychology faculty members. During 2016-17, two additional students from the Saskatchewan Ministry of Justice enrolled in the program. The Centre wishes to congratulate the first clinical director student who will be graduating from the program in spring 2017.

## **Undergraduate and Graduate Research Training and Supervision**

During 2016-17, the Centre contributed to the training and supervision of several undergraduate students. Brad Smith, an undergraduate student in law, worked on components of the evaluation of the Mental Health Support Strategy (MHS) in the Provincial Court of Saskatchewan at Saskatoon (page 15). Heather Sader conducted her Honour's Thesis in psychology by surveying clients' observations and comments about the PACT (page 15) as part of the larger evaluation exercise.

The Centre also contributed to the training and supervision of graduate students. Kelsey Brown completed her Applied Social Psychology internship with a Police and Crisis Team (PACT) process evaluation of the program in Saskatoon (page 15). An Honours student in Psychology will complete a second evaluation, a mixed methods inquiry of client experiences, for April, 2017.

The students gained experience in hands-on data collection, analysis and research report writing experience and contributed to the successful completion of these projects.

## ***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. Containing information on Centre members' research interests, Centre funding programs, events, past and current projects and reports, local news stories and links to Centre members in the media. The website also features links to videos of Public Forum 2016 – Home Fire: Ending the Cycle of Family Violence (further details below). Check out the website at: [www.usask.ca/cfbsjs](http://www.usask.ca/cfbsjs).

The Centre also created a social media presence on both Facebook and LinkedIn during 2016.

### **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 16<sup>th</sup> biennial Violence and Aggression Symposium May 15-17, 2016. 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 translates research and theory into practice and provides an opportunity to highlight excellence and innovation within a variety of correctional and criminal justice environments. The Symposium featured Canadian and International experts in the areas of child exploitation, mental health, psychopathy, and radicalization. There were 4 plenaries and 12 concurrent sessions. Special topics featured Aboriginal issues. The Symposium was sponsored by Correctional Service Canada, Government of Saskatchewan (Ministry of Justice), City of Saskatoon, Saskatoon Police Service, Saskatoon Health Region Foundation, the University of Saskatchewan, U of S College of Nursing, and Social Sciences and Humanities Research Council of Canada.

The Symposium featured plenary speakers Robert Hare, Ph.D., Emeritus Professor of Psychology, University of British Columbia, Sgt. (Ret.) Ernie Louttit, Roberta Sinclair, Ph.D., RCMP, Canadian Police Centre for Missing and Exploited Children, and Henry J. Steadman, Ph.D., President, Policy Research Associates, USA. Concurrent sessions

featured Kelley Blanchette, Ph.D., Director General, Mental Health, Correctional Service Canada; Corporal Jared Clarke, Investigator, Saskatchewan ICE Unit; Colleen Dell, Ph.D., Professor, Research Chair in Substance Abuse, Department of Sociology, University of Saskatchewan; Adelle Forth, Ph.D., Associate Professor, Department of Psychology, Carleton University; Holly Graham, R.N., Ph.D., R.D. Psychologist (Provisional), Assistant Professor, College of Nursing, University of Saskatchewan; Dr. Andrew Haag, Forensic Psychologist, Alberta Health Services, Clinical Lecturer, Department of Psychiatry and Sessional Lecturer, Department of Psychology, University of Alberta; Detective Chris Hayduk, Behavioural Assessment Unit, Edmonton Police Service; Dr. Ron Hoffman, Assistant Professor, School of Criminology and Criminal Justice, Nipissing University; Dr. Debra Jellicoe, Clinical Forensic Psychologist, Forensic Assessment and Community Services (FACS), Alberta Health Services; Glen Luther, Professor, College of Law, University of Saskatchewan; Dr. Mansfield Mela, Professor, College of Medicine, University of Saskatchewan; Rick McEachran, National Project Manager, Preventive Security and Intelligence Division, Security Branch, Correctional Service Canada; Mark Olver, Ph.D., Associate Professor, Department of Psychology, University of Saskatchewan; Detective Sergeant Darren Parisien, Investigator, Saskatchewan ICE Unit; Heather Shepard, B.A. (CJ/Soc), Cultural Relations Officer, Regina Police Services; and Yvonne Stys, Research Manager, Operational Research, Research Branch, Correctional Service Canada. For more information, see [http://www.usask.ca/cfbsjs/va\\_symposia/VA2016/index.php](http://www.usask.ca/cfbsjs/va_symposia/VA2016/index.php).

The Symposium attracted almost 150 Canadian and international delegates.

### **Conference Sponsorship – Custody and Caring**

On October 4-6, 2017, the 15<sup>th</sup> 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 2017 theme is *Contemporary Challenges, Opportunities, and Collaborations* and will feature 5 keynote speakers and concurrent and workshop sessions and is anticipated to attract more than 150 international delegates. The Centre is proud to provide financial sponsorship for this event and to host an exhibitor booth that will provide another opportunity for Centre staff and students to highlight recent Centre projects and network with conference speakers and delegates.

### **Conference Sponsorship – Collaborative Analytics for Safer Communities**

On May 11-12, 2017, the Centre is organizing, along with the Department of Mathematics and Statistics at Capilano University in Vancouver, BC. The workshop will bring together university faculty and students interested in the field of analytical criminology with delegates and experts from organizations responsible for community safety, including Police, RCMP, Ministry of Justice, Ministry of Social Services, Institute for Canadian Urban Research Studies (ICURS-SFU), and others. The objective is to share knowledge and discuss the newly emerging data analytics tools that will help criminal

justice organizations with more efficient decision-making and prevention/treatment strategies in order to create safer and (mentally) healthier communities.

### Conference Presentations

During 2016-17, Centre staff and students presented Centre-related research and evaluation activities at the following local and national events:

- Camman, C. (2016, October). *Results of five years' evaluation of the Restorative Action Program*. Presentation for program and community stakeholders. Saskatoon, SK.
- Florchinger, C. Mathias, K. L., Jewell, L. M., & Wormith, J. S. (2016, June). *An examination of the perspectives of community support professionals regarding client needs and outcomes in Saskatoon's Mental Health Strategy Court*. Paper presented at the 77th Annual Convention of the Canadian Psychological Association, Victoria, BC.
- Florchinger, C. Mathias, K., Jewell, L. M., & Wormith, J. S. (2016, May). *Professionals' perceptions of Saskatoon's Mental Health Strategy Court*. Poster presented at the 16th Biennial Violence & Aggression Symposium, Saskatoon, SK.
- Jewell, L. M., Abudulai, M., & Wormith, J. S. (2016, June). *Is fear of the crime the opposite as feelings of safety from crime?: An examination of Saskatchewan residents' perceptions of fear and safety*. Paper presented at the 77th Annual Convention of the Canadian Psychological Association, Victoria, BC.
- Nilson, C. (2017, January). Co-host and Facilitator. *Measuring collaborative risk-driven intervention: An interactive national dialogue on research, evaluation and analysis of the Hub/Situation Table and related CSWB models*. Organized by Centre for Forensic Behavioural Science and Justice Studies, Community Safety Knowledge Alliance, and University of Western Ontario. Funded by Saskatchewan Ministry of Justice, Ontario Ministry of Community Safety and Correctional Services, and Global Network for Community Safety. Toronto, ON.
- Nilson, C. (2017, January). *Tech-enabled Hubs: Summary of research and pilot project model*. Presentation to Saskatchewan Hub chairs. Hosted by Saskatchewan Ministry of Justice. Saskatoon, SK.
- Nilson, C. (2016, September). Keynote Speaker. *The future of community safety and well-being*. International Association of Law Enforcement Planners Conference. Waterloo, ON.

- Nilson, C. (2016, June). Keynote Speaker. *The future of community safety and well-being*. Canadian Association of Chiefs of Police. Moving Forward Safer Futures Conference. Winnipeg, MB.
- Pilon, A. J. M., Jewell, L. M., & Wormith, J. S. (2016, June). *Using the LSI-OR to assess impaired drivers and their risk of reoffending*. Poster presented at the 77th Annual Convention of the Canadian Psychological Association, Victoria, BC.

#### **Peer-Reviewed Journal Articles:**

- Ghasemi, M., Anvari, D., Atapour, M., Spiteri, R.J. & Wormith, J.S. (2017). *The application of machine learning to the risk/need assessment instrument LS/CMI in the prediction of offender recidivism*. [in press].
- Ghasemi, M., Anvari, D., Atapour, M., Spiteri, R.J. & Wormith, J.S. (2017). *Missing children, review and analysis*. [in press].

#### **Technical Reports:**

- Brown, K., Jewell, L. M., & Wormith, J. S. (2016). *Process evaluation of the Saskatoon Police and Crisis Team (PACT)*. Saskatoon, SK: Centre for Forensic Behavioural Science and Justice Studies—University of Saskatchewan.
- Camman, C. (2016). *2015-16 Restorative Action Program annual data report*. Prepared for Saskatoon Restorative Action Program, Inc.
- Camman, C. (2016). *Restorative Action Program outcome evaluation phase 1: Review of successful cases*. Prepared for Saskatoon Restorative Action Program, Inc.
- Ferguson, M., Jewell, L. M., & Wormith, J. S. (2016). *A systematic review of the World Health Organization Disability Assessment Schedule 2.0 (WHODAS 2.0). Volume 1: Initial development of the WHODAS 2.0*. Saskatoon, SK: Centre for Forensic Behavioural Science and Justice Studies—University of Saskatchewan.



- Ferguson, M., Jewell, L. M., & Wormith, J. S. (2016). *A systematic review of the World Health Organization Disability Assessment Schedule 2.0 (WHODAS 2.0). Volume 2: Assessing the use of the WHODAS 2.0 for the Saskatchewan Assured Income for Disability (SAID) program*. Saskatoon, SK: Centre for Forensic Behavioural Science and Justice Studies—University of Saskatchewan.
- Jewell, L. M., Truswell, K., & Wormith, J. S. (2016). *Formative and process evaluation of the Northeast youth violence reduction partnership: Draft evaluation plan*. Saskatoon, SK: Centre for Forensic Behavioural Science and Justice Studies—University of Saskatchewan.
- Jewell, L. M., Mathias, K. L., Pilon, A., Brown, K., Ferguson, M., Truswell, K., Wireve, R., & Wormith, J. S. (2016). *A jurisdictional scan of the programs and services available to support the community reintegration of IRCS youth in northern Saskatchewan*. Saskatoon, SK: Centre for Forensic Behavioural Science and Justice Studies—University of Saskatchewan.
- Mulligan, S. *Perceptions of Crime, feelings of safety, and experiences of victimization in Saskatchewan jurisdictions policed by the Royal Canadian Mounted Police*. (2017). Saskatoon, SK: Centre for Forensic Behavioural Science and Justice Studies—University of Saskatchewan.
- Nilson, C. (2017). *Technology-enabled opportunities for collaborative risk-driven intervention in rural & remote communities: A pilot project plan*. Prepared for Community Safety Knowledge Alliance.
- Sader, H. (2017). *Police and Crisis Team (PACT) Saskatoon: A mixed methods inquiry of client experiences*. Unpublished Honours thesis. University of Saskatchewan, Saskatoon, SK.

### **Public Forum 2016 – Home Fire: Ending the Cycle of Family Violence**

On December 2, the Centre hosted the Public Forum 2016, titled *Home Fire: Ending the Cycle of Family Violence*. The Forum was supported by the President’s Fund, the University of Saskatchewan College of Arts and Science Conference Fund, College of Law, and College of Nursing, as well as Correctional Service Canada. Dr. Patti Laboucane-Benson of the NCSA headlined the event. Panelist respondents included Deb Fehr, Response to Violence Unit, Saskatoon Health Region; John Hanson, Ph.D., Assistant Professor, Department of Sociology; and Leann Palmer, Program Manager, Advocacy and Public Education, Saskatchewan Advocate for Children and Youth. The event was live-streamed and the video was then placed on the University’s YouTube channel (<http://www.usask.ca/cfbsjs/news/2016/live-stream-of-the-public-forum-on-family-violence.php>); 90 people have viewed the video as of March 31, 2017.

## Funding

### *Summary of 2016-17 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 Justice (2010-11 to 2019-20), and a 5-year Memorandum of Understanding with the Royal Canadian Mounted Police (2012-13 to 2016-17). The Centre's newest financial partner is the newly established Community Safety Knowledge Alliance (CSKA). 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 associated with its three major stakeholders over the period April 1, 2016 to March 31, 2017.

**University of Saskatchewan  
Centre for Forensic Behavioural Sciences and Justice Studies  
Statement of Operations and Change in Balance  
For The Year Ended March 31, 2017**

	<b>March 2016-17</b>
<b>Revenue:</b>	
Government of Canada	195,000.00
Government of Saskatchewan	162,500.00
Non-Governments	113,655.22
V&A Registrations	26,708.80
Other Sources	3,700.00
<b>Total Revenue</b>	<hr/> 501,564.02
<b>Expenditures:</b>	
Salaries & Benefits	320,272.29
Contracted Services	70,546.14
Indirect Costs & Overheads	61,933.04
Conference & Workshop Support	15,075.27
Travel	13,248.60
Scholarships, Bursaries, Grants & Awards	96,064.56
Other Operational Expenditures	42,923.98
<b>Total Expenditures</b>	<hr/> 620,063.88
<b>Net Surplus/(Deficit)</b>	<hr/> (118,499.86)
<b>Balance, beginning of year</b>	434,650.83
<b>Balance</b>	<hr/> <hr/> 316,150.97