

Gambling and Problem Gambling in Canada: A National Study

Research Proposal to the Alberta Gambling Research Institute (AGRI)

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Abstract

Comprehensive national investigations of gambling have been conducted in many countries, but not Canada. The present three-year project will address this deficit with the aid of a large multi-disciplinary, multi-university, AGRI-based team of researchers combined with co-funding from the Canadian Consortium for Gambling Research, the Canadian Centre for Substance Abuse and Addiction, and Gambling Research Exchange Ontario. There are three research elements to this investigation: a national Statistics Canada Survey of 28,000 Canadians; a national two-year Online Panel cohort of 10,000 Canadians; and Supplemental Investigations in the form of Key Informant Surveys of major provincial stakeholders and indigenous leaders, and targeted surveys of casino patrons and problem gamblers in treatment. The project has 10 research objectives:

1. Comprehensive documentation of the current legal and regulatory framework for gambling in each province and territory, the types of legal gambling that are provided, gambling revenue and its distribution, harm minimization strategies, and historical gambling and problem gambling prevalence rates.
2. Establishing current Canadian and provincial prevalence rates of gambling and problem gambling.
3. Establishing current Canadian and provincial prevalence of online gambling, regulatory capture of online gambling in each province, use of digital currencies, and a profile of Canadian online gamblers.
4. Establishing current attitudes toward gambling and knowledge about gambling in Canada as a function of province, demographic characteristics, and stakeholder group.
5. Establishing the level of gambling involvement predictive of future gambling harm to inform the Canadian Low Risk Gambling Guidelines.
6. Creation of a comprehensive profile of indigenous gambling and problem gambling in Canada.
7. Creation of a comprehensive profile of Canadian problem gamblers.
8. Establishing the etiology of problem gambling and problem gambling remission in Canada.
9. Establishing the role of legal gambling provision and harm minimization initiatives as predictors of concurrent Canadian and provincial rates of problem gambling and gambling-related harm.
10. Establishing the impact of cannabis legalization on gambling behaviour and gambling-related harm in Canada.

Introduction

National studies of gambling have been undertaken in several jurisdictions including Australia (Productivity Commission, 1999, 2010), the United States (National Gambling Impact and Policy Commission, 1999), the United Kingdom (Gambling Review Body, 2001) and in the European Union (European Commission, 2006). These landmark investigations have value in several ways. For one, they serve to document all the background information pertaining to the provision and participation in gambling, which serves as an excellent resource for policy makers and researchers. For another, they undertake a comprehensive national and regional examination of the impacts of gambling, something that has typically not been done up to that point. Finally, because of the high profile nature of these investigations and the relevance and importance of their findings, they usually have significant involvement and attention from all the major stakeholders, which, in turn, creates the potential for meaningful policy change.

A national study of gambling has never been conducted in Canada, despite the pervasiveness of legal gambling, considerable debate and variation in how it is provided, and the interest that has been expressed over the years in the value of such an investigation. The purpose of the present study is to help rectify this situation.

National investigations always vary somewhat in their scope, methods, and orientation. This will also be true of the present study. The following are the 10 research objectives deemed to be most pertinent and that would comprise the focus and products of the present study:

1. **Comprehensive documentation of the current legal and regulatory framework for gambling in each province and territory, the types of legal gambling that are provided, gambling revenue and its distribution, harm minimization strategies, and historical gambling and problem gambling prevalence rates.**

This is essential background information for any national report. It will build on the information already contained in the [Canadian Gambling Digest](#) published by the Canadian Partnership for Responsible Gambling. While the Canadian Gambling Digest provides excellent documentation of most of these things, it does not contain detailed information about certain aspects of harm minimization strategies in each province or inter-provincial variation in legal gambling provision (e.g., prohibition of house credit, alcohol not being available on gambling floor, availability of reward cards, availability of pre-commitment, etc.). Some of this information will be available from the newly established *National Committee of Directors of Responsible Gambling (NCDRG)* (directors of responsible gambling for each provincial authority).

2. **Current Canadian and provincial prevalence rates of gambling and problem gambling.**

There have only ever been two published national prevalence studies of gambling and problem gambling in Canada, the first in 2000 by Ferris & Wynne (2001) and the second in 2002 by Statistics Canada (CCHS 1.2) (Statistics Canada, 2002). There has been significant expansion of legal gambling availability since 2002 as well as the emergence of new forms of gambling ([e-sports](#) betting, [virtual sports](#) betting, [fantasy sport](#) betting, financial indices betting), new forms of payment ([skins](#), [digital currency](#)), and new modalities of access (online). Current rates of overall gambling, specific types of gambling, and problem gambling are unknown, as is whether there continues to be significant inter-provincial or demographic differences in these rates (e.g., Cox et al., 2005). Problem gambling may have either increased since 2002 due to increased availability, or decreased due to 'adaptation' (LaPlante & Shaffer, 2007; Shaffer et al., 2004). A new national survey, administered by Statistics Canada, will address these issues.

Although several provincial prevalence studies of gambling have been conducted since 2002 ([Canadian Gambling Digest](#); Williams, Volberg, & Stevens, 2012), their obtained rates are not directly comparable to each other due to different methodologies and time periods. The reliability and validity of these estimates is

also questionable due to a) very poor response rates (<20% in recent years) which increases the likelihood of a non-representative sample (Massey & Tourangeau, 2013; Peytchev, 2013); b) insufficient population coverage (e.g., some surveys have not included cell phones and/or have only been administered in one or two languages); c) overly inclusive thresholds for asking questions about problem gambling, which tends to be inefficient as well as increasing the risk of false positives (Williams & Volberg, 2009, 2010); d) small sample sizes; and e) description of the survey to prospective participants as a ‘gambling survey’, which tends to over-recruit heavy gamblers and under-recruit occasional gamblers and non-gamblers (Williams & Volberg, 2009, 2010). In contrast, surveys administered by Statistics Canada that have included a gambling module have a) very comprehensive population coverage (e.g., multiple languages available); b) achieve response rates of 65%+; c) employ a national sample size of 28,000+; d) embed the gambling module within a broad-based survey of health (i.e., the Canadian Community Health Survey, CCHS)¹; e) have used more stringent criteria for administering questions about problem gambling²; and, f) use the same methodology for every province, allowing for inter-provincial comparisons.

3. **Current Canadian and provincial prevalence of online gambling, regulatory capture of online gambling in each province, use of digital currencies, and a profile of Canadian online gamblers.**

This is a very contemporary issue (e.g., Kairouz et al., 2012), which has never been thoroughly investigated on a national or inter-provincial level. The significant variation between the provinces in the legal availability of online gambling (not available in AB, SK, NU, YT, NT), the length of time online gambling has been provided (2004 in BC and Atlantic provinces versus 2015 for Ontario), and the types of online gambling currently available (everything in BC, more restricted elsewhere), can potentially shed light on the impact of these variants on provincial participation rates, regulatory capture, and associated harm.

4. **Current attitudes toward gambling and knowledge about gambling in Canada as a function of province, demographic characteristics, and stakeholder group.**

This has never been assessed on a national level by academic researchers. People will be asked their opinions on the benefit versus harm of gambling; whether all forms of gambling should be legal, and if not, which ones should not be; satisfaction with current legal availability of gambling; charity-group involvement in the provision of gambling; indigenous group involvement in the commercial provision of gambling;

¹ The Canadian Community Health Survey (CCHS) which contains the gambling module is described to participants as a survey on ‘well-being and health practices’.

² There has been controversy about the screening thresholds used for administering problem gambling questions in the CCHS 1.2 as no problem gambling questions were asked for anyone who a) had not engaged in some form of gambling at least 5 times in the past year and b) people who said ‘they were not a gambler’ even if they had reported gambling involvement. (This has since changed as for the past several years the CCHS has asked problem gambling questions of everyone with any past year gambling). This diverges from most population surveys that ask problem gambling questions for anyone with any past year gambling. The problem with an overly inclusive threshold (e.g., any past year gambling) is that it is inefficient and potentially irritating to ask questions only relevant to a small percentage of people, and it may produce false positives. Research on this issue by Williams & Volberg (2009, 2010) and Stone et al. (2015) has established the following: 1. More restrictive screening thresholds have a relatively small impact on problem gambling prevalence, a small to moderate impact on reducing the prevalence of unambiguous gambling-related harm (e.g., using PPGM problem questions), and a significant impact on reducing the prevalence of problem gambling symptomatology (e.g., PGSI 1-4 scores). 2. Expenditure-based thresholds are less advisable than frequency-based thresholds because a minority of problem gamblers report being net winners. 3. A mildly restrictive frequency threshold of gambling once a month or more on any type of gambling appears optimal in improving questionnaire efficiency and excluding some false positives while not inadvertently excluding people with genuine gambling-related harm. 4. Higher thresholds (e.g., gambling 2 or more times a month) excludes even more false positives, but also excludes people with genuine gambling-related harm. 5. Some ‘false positives’ are people with a lifetime history of problem gambling, but no past year gambling involvement. The present study will conduct research to ascertain whether some of these individuals may be genuinely reporting longer-term residual impacts from earlier years.

satisfaction with how gambling is currently legally provided; satisfaction with current harm minimization efforts; the proportion of responsibility that should be accorded the gambler versus the provider for harm minimization and responsible gambling; and their beliefs and/or knowledge about the proportion of revenue from problem gamblers, safe gambling limits, and who the major financial beneficiaries are from legal gambling.

5. Current validated data to inform Canadian Low Risk Gambling Guidelines.

Most countries have developed consumption guidelines for alcohol that minimize risk of harm (e.g., Butt et al., 2011; Stockwell et al., 2012). This has spurred interest in developing analogous guidelines for gambling consumption. While tentative gambling guidelines have been developed (e.g., Currie et al., 2006, 2008, 2012, 2017), these guidelines are hampered by survey data that is out-of-date and quite variable in terms of when it was administered; inadequate capture of time spent gambling; nonoptimal and nonequivalent question wording to assess gambling expenditure; and inadequate assessment of ‘harm’. These issues will be rectified with a new large-scale national prevalence study along with a large scale two-year prospective study of gamblers. (Note: Data analysis and article writing for this research objective will be led by the Canadian Centre on Substance Abuse and Addiction, specifically Dr. Shawn Currie and Dr. David Hodgins).

6. An understanding of Indigenous gambling and problem gambling in Canada.

Indigenous people have some of the highest rates of gambling and gambling-related harm in Canada (Belanger et al., 2017; Williams et al., 2016). In some provinces they are also commercial providers of gambling. However, a nationally representative profile is lacking as is a broader discussion of the implications of these findings in the context of indigenous governance. Information from more current population surveys and Key Informant Interviews will build on findings from recent large-scale studies of gambling among urban Aboriginal people in Canada (Belanger et al., 2017; Williams et al., 2016) as well as prior general work on this topic (Belanger, 2011; Williams et al., 2011).

7. To create a comprehensive profile of Canadian problem gamblers.

This has also never been comprehensively assessed on a national basis, although there has been some work on comorbidities (e.g., Afifi et al., 2010a, 2010b; el-Guebaly et al., 2006). The present study will more unambiguously establish demographics, comorbidities, treatment awareness and utilization, and self-help strategies of Canadian problem gamblers. Approximately ~2,500 problem gamblers will be identified in the present study (~1,500 in the *Baseline Online Panel Survey*; ~500 in the *Statistics Canada Survey*; and 500 in a *Problem Gamblers in Treatment Survey*). The utility of this profile is that it provides information pertaining to the population of problem gamblers that both treatment and prevention should be directed towards.

8. To understand the etiology of problem gambling and problem gambling remission.

A large national cohort of *several thousand* at-risk and problem gamblers comprehensively assessed and followed over two years would provide further (and more substantive) evidence on the:

Predictors of future problem gambling

This has been the focus of several longitudinal studies. In Canada, the main large-scale adult studies have been the Quinte Longitudinal Study (QLS) (Williams et al., 2015), the Leisure, Lifestyle, Lifecycle Project (LLLP) (el-Guebaly et al., 2015), and the Manitoba Longitudinal Study of Young Adults (MSLYA) (Afifi et al., 2016). Although the findings of these studies are believed to be fairly robust, a concern is the relatively low number of ‘first onset’ problem gamblers identified during the course of these studies (including the longitudinal studies conducted outside of Canada). More specifically, there were only 43 people who became problem gamblers during the LLLP study and 134 in QLS, which is why the datasets were co-analyzed together. The number of people who became problem gamblers during the course of the MSLYA is even lower as there were only 10 or fewer problem gamblers identified in each of the 4 waves of the MSLYA (with many of these individuals being the same people from previous waves). In addition to the relatively

low numbers of problem gamblers, all of these studies were provincial rather than national in scope and their findings may be somewhat dependent on the time period they were conducted (2006-2012).

Role of harm minimization strategies in preventing future problem gambling (at an individual level)

This was not assessed in LLLP or QLS primarily because at the time it was only available in the form of Responsible Gambling Information Centres and because of the low number of problem gamblers in the datasets who had utilized these centres.

Predictors of future remission from problem gambling (including the role of treatment)

QLS, LLLP, and MLSYA focused primarily on predictors of problem gambling *onset*, rather than predictors of remission among existing problem gamblers. Here again, this was partly due to an insufficient number of problem gamblers seeking treatment in these studies.

Genetic contributions to problem gambling

It is widely reported that between 40-60% of the propensity for developing problem gambling is due to genetic factors (Davis et al., 2018; Eisen et al., 1998; Gyollai et al., 2014; Lobo & Kennedy, 2006, 2009; Shah et al., 2005; Slutske et al., 2000, 2010). What is less well known is the relatively small and circumscribed evidentiary basis for this belief, which is primarily based on a comparison of problem gambling concordance rates in monozygotic versus dizygotic twins in the Vietnam Era Twin Registry (Gyollai et al., 2014; Henderson et al., 1990).³ While the number of twin pairs is fairly high in this data set, the actual number of individuals with problem gambling is fairly low (e.g., 94 in Slutske et al., 2000). Another issue is the restricted demographic nature of the sample, as it is 100% male, 93% Caucasian, and everyone is a U.S. military serviceman who served in the Vietnam war. Other methodologies for ascertaining the heritability of problem gambling are largely absent in the literature. There are no *adoptive studies* of problem gambling and only one small sample *family study* (Black et al., 2006). The present study will be able to contribute to the evidentiary basis on the genetics of problem gambling due to the very large samples collected in the longitudinal cohort ($n = 10,000$) and detailed questions about the genetic relatedness of other people in their family with problem gambling. An additional advantage of the present study is that multivariate analysis can be used to statistically gauge the approximate contribution of genetic relatedness to problem gambling relative to all the other demographic, mental health, substance use, personality, and gambling-related variables that are concurrently collected and that will also be etiologically related.

9. The role of legal gambling provision and harm minimization initiatives as predictors of concurrent Canadian and provincial rates of problem gambling and gambling-related harm.

The original impetus for the present national study was the recognition of significant inter-provincial differences in harm minimization initiatives, legal gambling provision, and treatment and prevention (as detailed below). This variation is quite useful in that it allows a determination of whether there are significant inter-provincial differences in rates of problem gambling and gambling-related harm, and if so, which particular harm minimization initiatives and aspects of legal gambling provision may be responsible for these differences.

Legal Gambling Provision

- Online gambling (BC, MB, ON, QC, NB, NS, PE, NL) or no online gambling (AB, SK, NU, YT, NT) (as well as inter-provincial variation in the types of online gambling provided)

³ There are two other twin studies of problem gambling. One is from Australia, using the Australian Twin Registry (Slutske et al., 2010), and the other is based on the self-report of gambling involvement of adolescents and adults from the United States National Longitudinal Study of Adolescent Health (Beaver et al., 2010).

- ISP blocking of ‘off-shore’ online gambling sites (QC) or no ISP blocking (all other provinces/territories)⁴
- No casinos (NL, NU, NT) vs casinos (everywhere else) (as well as variation in the number of casinos)
- First Nation casinos (BC, AB, SK, MB, ON, NB) vs no First Nation casinos (all other provinces/territories)
- no EGMs (NU, NT) vs presence of EGMs (all other provinces/territories) (as well as significant inter-provincial variability in EGMs per capita)
- EGMs exclusively within gambling venues (BC, ON, YT) or also outside gambling venues (all other provinces)
- EGM payback percentage (varies from 85% - 92%)
- Maximum bet limit (variable between provinces)
- Electronic bingo machines (BC, MB, ON) or no electronic bingo machines (all other provinces/territories)
- Charity sector involvement in casinos (AB) or charity sector involvement in just bingo, raffles, instant lottery tickets, and lotteries (all other provinces)
- Regulator independent of the provincial operator (BC, MB, ON, QC, NB, NS, PE, NL) or part of the same organization (AB, SK)
- 24-hour casinos (BC, ON, QC, MB) vs casinos closed in early morning (generally between 3am – 9am) (AB, SK, NS, NB, YT)
- Alcohol prohibited on casino floor (BC) or available on casino floor (everywhere else)
- House credit offered by casinos themselves (ON) or no house credit in casinos (all other provinces)
- Reward Cards (province wide vs casino company specific (e.g., AB))
- Lottery, casino, and horse racing advertising and promotion (level, nature, and allowability varies widely)
- Proximity and withdrawal amounts from automatic teller machines within casinos (variation in allowed distance to gambling floor and amount that can be withdrawn)

Harm Minimization/Responsible Gambling initiatives

- On-site Gambling Information Centres (e.g., [GameSense](#)) and automated Responsible Gambling Terminals. Present in virtually all provinces (not NF), but with significant provincial variation in their number; whether they are just in casinos, or also in bars, bingo halls, racetracks; hours of operation; staffing hours; and the proactive or passive nature of the staff.
- Precommitment (some provinces offer precommitment of on some of their EGMs (AB, MB, ON), and all provincial online gambling sites offer precommitment of time and money spent). Note: no province currently offers pre-commitment on their reward cards.
- Frequency and prominence of media campaigns to promote responsible gambling
- Responsible Gambling accreditation (BC, ON, QC, NS) or no Responsible Gambling accreditation (everywhere else)

Treatment and prevention

- Casino and online gambling self-exclusion (available in all provinces, but with some variation in ban length, detection protocol, etc.)
- % of gambling revenue devoted to treatment and prevention (varies from 0.41% to 3.5%)
- Organization, provision, and nature of treatment provided (see [Canadian Gambling Digest](#))
- Whether any school-based prevention programs are provided (see [Canadian Gambling Digest](#))

⁴ Quebec’s ISP blocking legislation is currently being challenged in the Quebec Supreme Court.

10. The impact of cannabis legalization on gambling behaviour and gambling-related harm in Canada.

High rates of co-morbidity between substance use and problematic gambling have been identified in numerous epidemiological investigations. While tobacco use and alcohol are most frequently associated with problematic gambling, cannabis use among this population is also very prevalent (Lorains et al., 2011). However, to date, very few studies have assessed the relationship between cannabis use and gambling beyond rates of co-occurrence. The limited experimental research examining the effects of cannabis on financial risk taking as well as gambling indicates that cannabis use may lead to cognitive deficits related to poorer decision making (Gilman et al., 2015; Wesley et al., 2011; Whitlow et al., 2004). Yet, the extent to which these potential effects influence real-world gambling behaviour have not been explored. The Government of Canada has announced that recreational cannabis will be legalized on October 17, 2018. This change in legislation represents a unique opportunity to more fully explore associations between cannabis use and gambling. A national baseline and follow-up study could assess the impact of legal cannabis availability on gambling behaviour as well as substance use more generally. Moreover, the current study will allow for a nuanced assessment of the cannabis-gambling link in a representative Canadian sample. Patterns of co-use will be explored and the unique relationships between problematic gambling and cannabis use (separate from other psychoactive substances) will be examined.

Method

There are three primary research elements in this investigation: a *Statistics Canada Survey*; a two-year *Online Panel Cohort*; and Supplemental Investigations in the form of key informant interviews/surveys and targeted surveys.

CCHS Statistics Canada Survey

From July 3, 2018 to December 24, 2018 Statistics Canada will administer a 17 question '[Rapid Response](#)' [Gambling Module](#) within their annual [Canadian Community Health Survey](#) (CCHS) to 28,000 Canadians. Response rates to the CCHS of 64%+ are estimated by Statistics Canada, with roughly 35% administered in person via 'computer assisted personal interview' (CAPI) and 65% administered over the phone via 'computer assisted telephone interview' (personal communication, Statistics Canada, Dec 2017).

The new *CCHS Statistics Canada Survey* is central to most of the research objectives of the present project. More specifically, relative to each numbered research objective it will:

- Establish current Canadian and provincial prevalence rates of gambling, specific types of gambling, and problem gambling. This will then be used to establish whether there are statistically significant differences in these prevalence rates between provinces and between various demographic groups. (Research Objective 2)
- Establish current Canadian and provincial prevalence rates of online gambling. Here again, this will permit examination of whether there are statistically significant differences in these rates between provinces and between various demographic groups. (Research Objective 3)
- Provide current validated data on frequency of gambling to help inform Canadian Low Risk Gambling Guidelines for safe gambling. (Research Objective 5)
- Establish the prevalence and profile of gambling and problem gambling among indigenous Canadians, as an estimated 1,000 will be surveyed. (It should be noted that Statistics Canada does not interview on reserves).⁵ (Research Objective 6)
- Help establish the demographic and comorbidity profile of problem gamblers in Canada, as the ~50 minute CCHS will contain substantial demographic and comorbidity information. (Research Objective 7). More specifically:
 - [CCHS](#) 'core content' in 2018 that is potentially relevant to the present investigation consists of the following modules administered to all respondents in all provinces: Administration information (ADM), alcohol use (ALC), chronic conditions (CCC), general health (GEN), income (INC), labour force (LBF), main activity (MAC), physical activities (PAA), socio-demographics characteristics (SDC), subjective well-being (SLM), and smoking (SMK) (Appendix B).
 - [CCHS](#) 'themed content' in 2018 that is potentially relevant to the present investigation consists of the following modules administered to all respondents in all provinces: Perceived need for care (PNC), pain relief medication (PRM), sedentary behavior (SBE), stress and relationships (STR), and Washington Group disability measure (WDM)
 - [CCHS](#) 'optional content' in 2018 consists of the following modules administered to all respondents in the provinces and territories that select these modules: alcohol use during past week (ALW), consultations about mental health (CMH), depression (DEP), distress (DIS), drug use (DRG), medication use (MED),

⁵ 'Aboriginal' includes First Nations, Inuit, and Métis peoples. A total of 36.9% of First Nations people currently live on-reserve (Statistics Canada, 2011a,b). (Inuit and Métis people do not have reserves).

satisfaction with life (SWL), social provisions (social support) (SPS), sources of stress (STS), and tobacco product alternatives (TAL) (Appendix B).⁶

- Provide information on the etiology of gambling through the cross-sectional relationships between problem gambling and the various demographic and comorbidities assessed in the CCHS. (Research Objective 8).
- Facilitate the examination of the role of harm minimization initiatives and ways of providing legal gambling in each province as they relate to problem gambling. As described later in this proposal, the provincial prevalence rates of problem gambling will be used as the dependent variable in this analysis and the presence/absence of various harm minimization initiatives and ways of providing legal gambling will be the independent variables. (Research Objective 9).

There are two components to the new Gambling Module within the *CCHS Statistics Canada Survey* (Appendix B):

Past Year Gambling Participation

This will be assessed with an abbreviated version of the new *Gambling Participation Instrument* (Williams et al., 2017). This instrument has improved reliability, validity, and efficiency over previous ways of assessing gambling participation (and the previous CCHS gambling module) due to the lack of conceptual overlap between types/modes/location of gambling, improved question wording, more contemporary nature, greater comprehensiveness, and more efficient question organization (i.e., 7 stem questions with branching questions from each).

Problem Gambling

The instrument that will be used is the 9 item *Problem Gambling Severity Index* (PGSI) (Ferris & Wynne, 2001). This is utilized primarily to provide direct comparisons with previous national and provincial problem gambling estimates which have predominantly used this instrument ([Canadian Gambling Digest](#); Williams, Volberg, & Stevens, 2012).

Online Panel Surveys

From August 16, 2018 to October 10, 2018 there will be administration of a *Baseline Online Panel Survey* (Appendix C) to 10,000 online panelists from across Canada who are members of [LegerWeb](#). LegerWeb's online panel, known as LegerWeb, is Canada's largest online panel, with over 400,000 active members. Their panel is structured to be demographically and geographically representative of the Canadian adult population as measured by the latest census. However, because of the opt-in recruitment procedure of most online panels (rather than being randomly selected for inclusion), online panelists are not representative of the population in other ways (Bruggen et al., 2016). More specifically, online panels contain 3-4 times more heavy gamblers and problem gamblers than in the general population (Lee et al., 2015; Williams & Volberg, 2012). However, this is an advantage to researchers wishing to study this specific group. In addition, LegerWeb has detailed behavioural profiles on the members of its online panel, including identification of individuals who report gambling once a month or more (roughly 48% of panelists)⁷. Thus, the proportion of the sample who are regular gamblers and/or problem gamblers can be further enriched by selecting this subsample.

Leger will send out an email solicitation until an achieved sample of 10,000 stratified by region (see Table 3) is achieved. The current Baseline survey is estimated to be an average of 19.5 minutes, with a range of 14 minutes to 28 minutes depending on the individual. In August/September 2019 this survey will be repeated (*Follow-Up Online Panel Survey*), re-recruiting as many people from the Baseline Survey as possible. As many of the

⁶ The CCHS includes several other modules as well, the ones listed are simply the ones deemed most relevant.

⁷ Personal communication from Andrew Mattern, LegerWeb, April 3, 2018.

questions do not have to be repeated the current Follow-Up survey is estimated to be an average of 14 minutes, with a range of 9 minutes to 22 minutes depending on the individual). Based on recent experience, we should be able to retain 75% of these people using a \$10 incentive (in addition to the incentive normally offered by Leger).

The Online Panel Surveys are also central to almost all of the research objectives and supplementary to certain others. More specifically, relative to each numbered research objective they will:

- Serve to corroborate any significant provincial or demographic differences in gambling, specific types of gambling, or problem gambling identified in the *CCHS Statistics Canada Survey*. Canadian online panels cannot be used to establish prevalence rates because of their non-representative nature. However, because the selection bias responsible for their nonrepresentativeness is constant across subpopulations, they can still be used to compare prevalence rates between subgroups. The online panel will also contain much more comprehensive information about gambling participation than the *CCHS Statistics Canada Survey*. More specifically, for each type of gambling it will also assess subtype, location, time, and expenditure. One particularly important aspect of this greater comprehensiveness is that it also asks questions about participation in various forms of *illegal* gambling, the prevalence and nature of which has never been documented in Canada.⁸ (Research Objective 2)
- Obtain more precise information about online gambling than will be collected in the *CCHS Statistics Canada Survey*, as online panels have a much higher prevalence of online gamblers (Lee et al., 2015; Williams & Volberg, 2012) and many more detailed questions will be asked about online gambling (i.e., specific types of online gambling engaged in, whether they patronized their provincial site, use of digital currencies, whether online gambling has created more problems than land-based gambling, whether they have utilized online pre-commitment or self-exclusion). (Research Objective 3)
- Obtain information about attitudes toward gambling and general knowledge about gambling in Canada, as this is not asked in the *CCHS Statistics Canada Survey* (the focus will be on inter-provincial and demographic differences in these attitudes and knowledge questions). (Research Objective 4)
- Provide detailed information on the level of gambling involvement (frequency, time, and expenditure) predictive of both concurrent *and future harm*, to help inform Canadian Low Risk Gambling Guidelines. (Note an assessment of harm is included in the *Baseline and Follow-Up Online Panel Surveys* but space limitations precluded this from being included in the *CCHS Statistics Canada Survey*). (Research Objective 5)
- Supplement the Indigenous sample from the *CCHS Statistics Canada Survey* (an additional 500 are anticipated, some of which will be on reserve). (Research Objective 6)
- Provide a more detailed profile of problem gamblers. As mentioned, online panels contain 3-4 times more heavy gamblers and problem gamblers than in the general population (Lee et al., 2015; Williams & Volberg, 2012), which can be further increased if the solicitation is made to 'regular gamblers'. Based on recent experience, with a sample of 10,000 panelists we should obtain ~1400 problem gamblers, ~1400 'at-risk' gamblers, and ~2000 people harmed by gambling (using a conservative measure of harm). Supplemental questions will be asked to people with PGSI scores of 5 or higher concerning whether there have been particular types of gambling that have contributed more to their problems; if so, which ones; whether they tried to curb their gambling on their own or with help; why they did not seek help; if they did seek help, the sort of help they received and how effective it was. It should be noted that while problem gamblers identified in online panels are fairly representative of the population of problem gamblers, some differences do exist. More specifically, they exclude problem gamblers who do not use smartphones or the internet,

⁸ Because almost identical gambling frequency questions are asked in both the *CCHS Statistics Canada Survey* and the *Online Panel Surveys*, aggregate gambling frequency in the *Online Panel Survey* can be weighted to match the aggregate gambling frequency in the *CCHS Statistics Canada Survey* to better ensure the representativeness of the online panel data (recognizing that because of the selection procedure of requiring gambling at least once a month, the weighted online panel data is intended to be representative of regular gamblers, rather than occasional gamblers).

their patronization of online gambling tends to be higher, and they tend to be somewhat younger. (Weighting the online problem gamblers relative to the characteristics observed in the *CCHS Statistics Canada Survey* will help correct these biases). (Research Objective 7)

- Provide corroborating data on the etiological predictors of future problem gambling (either first onset cases, relapsed cases, or continuing cases) identified from the LLLP, QLS, and MLSYA studies as well as examine the predictors of problem gambling remission (including treatment utilization). (Research Objective 8). Assuming 1,400 'At Risk' gamblers, a one-year incidence rate of 10% (from QLS study, Williams et al., 2015), we anticipate ~150 first onset problem gamblers. The number of recovered problem gamblers in the *Follow-Up Online Panel* that will be identified is unknown, but it is reasonable to anticipate ~600. Based on the QLS data, we anticipate a one-year problem gambling continuation rate of ~50% (~650 individuals).
- The utilization and perceived effectiveness of harm minimization initiatives in preventing future problem gambling and facilitating remission will be specifically examined. Due to survey length constraints, the present study will focus on the variables most strongly predictive of future problem gambling in identified in prior longitudinal studies of gambling (see el-Guebaly et al, 2015 & Williams et al., 2015 for a review of these studies and their findings):
 - Gambling-Related Variables (i.e., intensity of gambling involvement, having a big win in the past year, participation in continuous forms of gambling, gambling identified as an important leisure pursuit, friend and family involvement in gambling, specific motivation for gambling, importance of gambling as a leisure activity, importance of money, gambling fallacies, proximity to electronic gambling machine (EGM) venues, early exposure or involvement in gambling)
 - Comorbidities (i.e., major depression, post-traumatic stress, generalized anxiety, panic disorder, behavioural addictions, substance use and abuse, lifetime history of mental health and/or substance abuse, family history of mental health and/or substance abuse problems, stressful events in the past year, child abuse, higher current level of stress)
 - Personality (i.e., impulsivity)
 - Demographics (i.e., gender, age, race/ethnicity, marital status, educational attainment)
- Shed additional light on the relationship between provincial levels of problem gambling and gambling-related harm and the presence/absence of various harm minimization initiatives and variants of legal gambling provision. At an individual level this will be supplemented by gamblers' self-reports of utilization of various harm minimization initiatives and their perceived effectiveness (Research Objective 9).
- Establish a baseline of gambling behaviour prior to the legalization of cannabis in October 2018. In Aug - Oct 2019 the *Follow-up Online Panel Survey* would ascertain what impacts, if any, cannabis legalization has had on gambling behaviour, gambling-related harm, and overall level of substance use more generally. (Research Objective 10). (Note: because the impacts of cannabis legalization will take years to fully manifest themselves, a future grant application could be made to follow this cohort for a longer period of time).

There are four components to the *Online Panel Surveys* (Appendix C):

Demographics

Gender, age, marital status, sexual orientation, children, educational attainment, employment status, occupation, household income, household debt, immigration status, country of birth, language used in the home, ethnic/cultural origins, province, and postal code.

Comorbidities

Past year use of tobacco, alcohol, cannabis, and the main illicit drugs. Past year substance use disorder (assessed using DSM-5 criteria, APA, 2013). Lifetime and family history of substance abuse. Past year and lifetime history of behavioural addictions. Level of stress, history of child abuse or neglect, past year life events (an adaption of the Life Events Questionnaire, (Vuchinich, Tucker & Harllee, 1986)), presence of post-traumatic

stress (DSM-5 criteria). Level of happiness. Past year presence of the main mental health disorders (DSM-5 criteria). Lifetime and family history of mental health problems.

An important methodological issue concerns whether the questions in this section should be aligned to how these constructs are assessed in the *Statistics CCHS Canada Survey* or how they have been assessed in the previous longitudinal studies. The argument for aligning them with CCHS is that the online panel data will be collected concurrently with CCHS and so the findings can be triangulated. The argument for aligning them with previous longitudinal studies is that CCHS assesses a much more circumscribed set of relevant comorbidities than the longitudinal studies (i.e., superficial coverage of mental health), and it is unlikely that a majority of provinces will administer the 'optional' content that contains many of these important constructs; some of the constructs are not efficiently assessed (e.g., 22 questions on smoking); and these comorbidities are arguably more important in their etiological/prospective role than their cross-sectional profile with problem gambling. The current online panel surveys opts for an intermediate approach whereby individual questions are aligned when possible to the wording used in CCHS questions, but the constructs being assessed are aligned with how they have been assessed in previous longitudinal research as well as optimal assessment instruments (i.e., DSM-5 criteria in most cases (APA, 2013)).

Relative Deprivation

There is evidence that a person's perception of being worse off compared to other people may drive risk-taking and gambling (e.g., Callan et al., 2008). Consequently, the 5 question Revised Personal Relative Deprivation Scale will be included in the Follow-Up Online Panel Survey. This instrument has well established reliability and validity (Callan et al., 2011).

Personality

The personality facet of impulsivity (i.e., subcategory of the Neuroticism domain) will be assessed with the *NEO Personality Inventory - Revised (NEO PI-R)* (Costa & McCrae, 1992). The NEO is currently the dominant instrument in the assessment of personality, providing a score in the 5 major personality domains of Introversion versus Extraversion; Neuroticism versus Emotional Stability; Openness versus Close-Mindedness; and Conscientiousness versus Lack of Conscientiousness. The full NEO-PI-R also provides scores in 6 facets of each personality domain. Internal reliability of the NEO-PI-R domain scores are known to be high, ranging from .86 to .92, and the internal reliabilities of the facets range from .58 to .82 (Costa & McCrae, 1992). The concurrent and discriminant validity of the NEO has been well established in both normal and clinical populations (Costa & McCrae, 1992).

Gambling

Similar to the *CCHS Statistics Canada Survey*, gambling questions will be asked toward the end of the questionnaire, and after comorbidities. The specific constructs to be assessed within the gambling section are:

Attitudes toward gambling

Most of these consist of face valid questions. However, the first four questions comprise the '*Gambling Attitude Measure (GAM)*' (Williams, 2003) (which is also part of the *Gambling Participation Instrument*; Williams et al., 2017). One-month test-retest reliability for the composite GAM score in adults is $r = .78$. The four questions that comprise the measure have relatively low internal consistency due to the small number of questions and the fact that each question addresses a somewhat different issue (which is why the instrument is described as a "measure" rather than a "scale"). The GAM is face valid, as the four questions cover the four attitudinal areas that are of greatest policy relevance. Concurrent validity is established by its consistently positive relationship to gambling participation in 8 different studies with ~30,000 participants. The strength of this association is lower for money spent gambling compared to time spent gambling, frequency of gambling, and number of types of gambling engaged in. The overall magnitude of the correlations are moderate ($r = .25$ to $r = .50$), which is partly due to the fact that some of the people with the highest levels of involvement (problem gamblers), have

very negative attitudes toward gambling. Predictive validity has been established by its significant and consistent positive correlation with future gambling involvement in all studies. Normative data is not available, as attitudes toward gambling are very fluid and vary substantially as a function of jurisdiction and prior exposure to gambling.

Past year gambling participation

Assessed with the full *Gambling Participation Instrument* (Williams et al., 2017) which assesses gambling participation in all of the primary dimensions of gambling: type, means of access, gambling provider, frequency, time, and expenditure. The test-retest reliability coefficients of this instrument are fair to excellent, ranging from .46 to .84, and the validity coefficients are good to excellent, ranging from .60 to .91. Note: bingo has been added so as to be consistent with the *CCHS Statistics Canada Survey*.

Motivation for gambling

This is assessed with a singular question having 9 response options. The response option categories are based on extensive analysis of both open-ended and closed-ended responses given to this question in several prior population surveys involving several thousand people. This question is also part of the *Gambling Participation Instrument*. Two additional questions ask about the importance of gambling as a recreational activity and the importance of money.

Context for gambling

A series of 5 face valid questions concerning whether person typically gambles alone or with friends/family, and the use of tobacco, alcohol, cannabis, and other drugs while gambling.

Gambling social exposure.

A total of 4 face valid questions concerning being exposed to gambling prior to age 18, the prevalence of regular gambling and problem gambling among the person's current social group, as well as a question concerning the availability of gambling at the person's place of work or school.

Gambling fallacies.

Assessed with the *Gambling Fallacies Measure* (GFM) (Leonard, Williams & Vokey, 2015). The GFM consists of 10 multiple-choice items, each with only one correct answer. Unlike most instruments, the GFM does not include any nonfallacious motivations, attitudes, biases or problem gambling behaviours. Factor analysis across multiple datasets has found a two factor solution to be most consistent: a failure to understand the random and uncontrollable nature of most gambling games and a failure to take statistical probabilities into account. The hierarchical coefficient omega shows adequate (0.61) internal consistency. The overall one-month test-retest reliability of the instrument is good (0.70). Depending on the dataset, GFM scores have been found to be consistently and significantly associated with intelligence, educational attainment, paranormal beliefs, and gambling 'to win money' as a primary motivation. Discriminant validity is also quite good.

Harm minimization and responsible gambling

A series of face valid questions on awareness, utilization, and perceived impact of various harm minimization initiatives on spending and enjoyment.

Family history of problem gambling

A singular question asking whether anyone in the person's immediate family has ever had a gambling problem, and if so, their biological relatedness to the person.

Past year problem gambling and gambling-related harm.

Two instruments are employed in the gambling problems/harm section. The first is the *Problem Gambling Severity Index* (PGSI) (Ferris & Wynne, 2001). This is utilized primarily to provide direct comparisons with

previous national and provincial problem gambling estimates which have predominantly used this instrument ([Canadian Gambling Digest](#); Williams, Volberg, & Stevens, 2012). The second instrument is the *Problem and Pathological Gambling Measure* (PPGM) (Williams & Volberg, 2010, 2014). The PPGM is included as it is the only validated measure for assessing problem gambling in the general population. Despite the widespread use of the PGSI (and DSM) criteria for assessing problem/pathological/disordered gambling in population surveys, research has consistently shown only poor to modest correspondence between people identified as problem gamblers by these instruments and subsequent clinical assessments (see Ferris & Wynne, 2001, p.39; Ladouceur et al., 2005; Murray et al., 2005; Williams & Volberg, 2014). One of the main reasons for this weak classification accuracy appears to be due to the fact these instruments were validated on *treatment-seeking* problem gamblers. However, the 5 – 15% of problem gamblers who seek treatment are significantly different from the general population of problem gamblers. More specifically, their problems tend to be more severe and pervasive, there is a greater past history of problem gambling, there is greater mental health and substance use comorbidity, they have much greater insight that they have a problem, and they are more likely to be male, older, married, and better educated (Braun et al., 2014; Harries, Redden, & Grant, 2017; Ledgerwood et al., 2013; Urbanoski & Rush, 2006; Weinstock et al., 2011).⁹ This pattern is a very similar to the differences seen in treatment versus non-treatment seeking alcoholics (Ray et al., 2017; Rohn et al., 2017).

The second reason for inclusion of the PPGM is that it can be used to assess *gambling-related harm* in the population. While there is obvious value in assessing the level and amount of gambling-related harm in Canada, there historically has been no broad consensus on how to define it or the best way of assessing it. The traditional approach has been to identify the number of people with subclinical levels of problem gambling symptomatology (e.g., Canale et al., 2016; Currie et al., 2009; Raisamo et al., 2015). Depending on the instrument, this generally results in a level of harm that is 4 to 10 times higher than problem gambling prevalence with the greater ‘burden or harm’ being in these subclinical groups. However, a) this approach does not adequately assess harm being caused to other people (as the questions in most instruments refer to harm to the individual), and b) many items in these instruments do not entail significant and unambiguous harm¹⁰ (e.g., ‘gambling with larger amounts to get same feeling of excitement’ (PGSI, DSM, PPGM); ‘chasing losses’ (PGSI, DSM, SOGS, PPGM); ‘feeling guilty about gambling’ (PGSI, SOGS); ‘claiming to win money when actually losing’ (SOGS); ‘gambling more than intended’ (SOGS, PPGM); ‘restless or irritable when not gambling’ (DSM); ‘preoccupied with gambling’ (DSM, PPGM)).

Another approach has been the development of harm-specific instruments. One example is the 22 item *HARM Indicator* (Productivity Commission, 1999). The strength of this instrument is that it provides a fairly comprehensive listing of clear and unambiguous harms in the areas of financial, mental health, relationship, work/school, and criminal activity. Its weakness is that physical health harms are not included, and the instrument primarily assesses harm in the individual, not harm to other people. Another example is the 72 item *Harm Checklist* (Browne et al., 2016, 2017; Langham et al., 2016). The strength of this instrument is that it comprehensively assesses harms in the standard domains (as well as including a ‘cultural harm’ domain).

⁹ Using treatment-seeking problem gamblers to identify problem gamblers in the general population is analogous to using the characteristics of a prison population to identify law-breakers in the general community. The specific basis for the false positives and false negatives in the PGSI and DSM concerns a) non-optimal cut-offs (a PGSI score of 8+ is too stringent); b) an additive scoring systems that allow people to be designated a problem gambler without reporting any problems and people designated as a non-problem gambler despite reporting serious problems; c) a scoring system that doesn’t require corroborating evidence of gambling involvement; d) the inability to identify problem gamblers in denial; and e) inadequate coverage of all the potential harms caused by gambling (Williams & Volberg, 2010, 2014), which, in turn, is reflective of its inability to adequately capture the heterogenous nature of problem gambling (Christensen et al., submitted).

¹⁰ This is especially true for PGSI items that only require a ‘sometimes’ endorsement.

However, here again, this instrument primarily assesses harm in the individual, not harm to other people¹¹. In addition, it includes several items that do not represent significant or unambiguous harm (e.g., ‘reduction of savings’, ‘reduction of available spending money’, ‘eating too much’, not eating as much or often as one should’, ‘increased credit card debt’, ‘reduced physical activity’, etc. (Delfabbro & King, 2017)¹². A final problem is that several questions inappropriately identify gambling as a less worthy form of entertainment compared to other pursuits (‘less spending on recreational expenses such as eating out, going to movies, or other entertainment’, ‘spending less time attending social events’, ‘reduced physical activity’, ‘reduced contribution to religious or cultural practices’, ‘spent less time with people I care about’).¹³

The PPGM ‘Problems Section’, in contrast, only asks about clear and unambiguous harm in each of the standard domains of finances, mental health, relationships, physical health, work/school, and illegal activity. In addition, the questions ask the respondent about problems/harm “for you or someone close to you”. A final advantage is that the PPGM is already included in the *Online Panel Surveys* as a measure of problem gambling so no additional questions are required.¹⁴

Supplemental Investigations

All of the above findings will be further bolstered with a more qualitative context for our results and some targeted surveys on groups and topics of particular importance. The following are the four specific investigations that will be undertaken:

Key informant Survey of Major Provincial Stakeholders

These are the regulators, provincial managers of legal gambling, provincial directors of responsible gambling, casino owners, and problem gambling treatment administrators in each province.

These individuals are the key stakeholders for gambling in Canada. Thus, it is essential for a national study of gambling that we solicit and record their opinions on the topic. In addition, and as already been done to some extent, it will be useful to alert some of these stakeholders in advance of actually conducting this study in order to potentially strengthen the methodology and facilitate some of the logistics (i.e., the members of the *National Committee of Directors of Responsible Gambling*). Engagement with stakeholders has the added benefit of helping increase the profile of this project and the potential implementation of any policy-relevant findings.

¹¹ As proxy for ‘harm to others’ developers asked people having a close relationship with someone harmed by gambling to independently estimate harms experienced by the person who had been harmed.

¹² Virtually all forms of expenditure (e.g., buying groceries) are ‘harmful’ using these items, as expenditure on something necessarily entails a reduction in one’s spending money, savings, and often a credit card transaction.

¹³ A 10 item short form of this instrument has also been developed (Browne et al., 2017). However, a) 5/10 questions are items that do not unambiguously assess harm and/or make value judgments about gambling as a form of recreation, and b) only 3 domains of harm are covered (i.e., 5 financial harm items, 4 mental health harm items, 1 relationship harm item).

¹⁴ There has been some legitimate consternation within the gambling industry that as the population of prevalence of problem gambling has declined (Williams et al., 2012), there has been very little recognition of this within the academic community (the bulk of whom study the harmful impacts of gambling); very little consideration of the role that industry efforts may had in this decline; and a sudden upsurge in the academic interest of the much more prevalent phenomenon of ‘gambling-related harm’. The point being made is that while gambling-related harm is a worthy additional metric to assess, it is critically important that our assessment of it be fair and uncontested.

The key informant survey (Appendix D) focuses primarily on many of the same attitudinal questions that will be asked of the general public in the *Online Panel Surveys*. These questions have the same purpose as the ones administered to the general population, which is to understand key stakeholder's opinions and knowledge about key gambling issues. It will also be instructive to see how well attitudes of these key stakeholders align to those of the general public, and as a function of key stakeholder category/position.

We hope to conduct 50 surveys in total, each lasting 5-10 minutes. For each of the 10 provinces we hope to survey the provincial regulator, the CEO of the provincial operator, the director of responsible gambling for the provincial operator, a casino owner, and a problem gambling treatment administrator (i.e., 5 occupational categories x 10 provinces = 50 interviews). We plan to combine the answers for people within each of the 5 categories to better ensure anonymity and to be able to say something about the responses of the group as a whole. Although we may use a few direct quotes, we will never ascribe it to any individual. These surveys will be administered online by the Project Manager. A telephone administration of the survey will be conducted when an online survey is not possible. In recognition of their time commitment, a donation of \$100 to the key informant's charity of choice will be made for each completed survey/interview.

Casino Patron Surveys

The large majority of harm minimization initiatives and variations in the legal provision of gambling are contained within casinos. Thus, the *Casino Patron Surveys* (Appendix E) of regular casino patrons will enquire about people's awareness, utilization, and experience with all of the main harm minimization initiatives and variants of providing legal gambling in each province (e.g., Gambling Information Centres/terminals, casino self-exclusion, EGM precommitment, house credit, responsible gambling advertising, reward card use, etc.). In addition, we will enquire about people's experience of gambling in the venue. It is hoped that our collaboration with the *Canadian Responsible Gambling Association* will facilitate the logistics of this investigation. The plan is to have 250 5-10 minute patron surveys in a major casino in each of BC, AB (River Cree), SK, ON, QU, NS with \$10 per patron compensation (1,500 surveys in total). These self-administered paper and pencil surveys will be administered on-site by our Project Manager and a part-time Research Assistant under the supervision of Darren Christensen and Fiona Nicoll. To understand the representativeness of the sample, demographic comparisons will be made between these individuals and gamblers who patronized casinos in the population surveys. See Appendix E.

Key Informant Interviews of Indigenous Leaders

Indigenous people will likely have the highest rates of gambling-related harm and problem gambling in Canada. In some provinces they are also involved in the commercial delivery of gambling. Thus, this segment of the population deserves special attention beyond the quantitative results of the surveys (Note: we should obtain ~500 surveys from indigenous people in the *Baseline Online Panel Survey* and ~1000 in the *CCHS Statistics Canada Survey*).

Key informant interviews (Appendix F) will be conducted with indigenous leaders from across Canada. More specifically, we will attempt to interview the national chief and the 10 regional chiefs of the [Assembly of First Nations](#); an executive director or chief of each of the 10 [Provincial Territorial Organizations](#); the national chief and national vice-chief of the [Congress of Aboriginal Peoples](#); and the president and vice-presidents of the [Native Women's Association of Canada](#). These qualitative investigations would endeavor to capture their views on the same types of attitudinal questions asked of other key informants, but the questions would be more specific to indigenous people. Additional questions will address the commercial provision of gambling, as well as potential remedies to the high rates of gambling-related harm among indigenous people. The findings of these interviews will be integrated with the population survey findings as well as prior work on this topic (Belanger, 2011; Belanger et al., 2017; Williams et al., 2011; Williams et al., 2016) (including unpublished data from 235 in-

depth interviews with indigenous people from across Canada (see Belanger et al., 2017 for details)). As is the case with the Key Informant Surveys of regulators, provincial managers, etc., an additional purpose of the key informant interviews with indigenous leaders is to alert them to gambling-related issues and the present project and to potentially mobilize any policy-relevant findings deriving from our investigation.

It is anticipated there will be ~25 key informant interviews in total, with interviews lasting 30 – 60 minutes each. These interviews will be conducted by Dr. Yale Belanger and/or [Dr. Darrel Manitowabi](#)¹⁵ and most will be done in person. A donation of \$200 to the key informant's organization will be made for each completed interview. See Appendix F.

Problem Gamblers in Treatment Survey

These surveys (Appendix G) will enquire about the same things as the *Casino Patron Surveys*, with an additional focus on variables contributing to harm, relapse, and recovery. The survey will take no more than 15 minutes and our goal is to collect 500 surveys from across Canada, offering a \$50 gift card per problem gambler in compensation. The logistics of this investigation involves our Project Manager (under the supervision of David Hodgins) contacting various treatment agencies, counselors, and Gamblers Anonymous groups across Canada to see if they would be willing to administer these anonymous surveys to any of their clients receiving treatment for problem gambling. Any agency that agrees will be provided with \$50 per survey in compensation for their administration time and costs. A maximum of 50 surveys per agency. We will endeavor to obtain surveys from every province. To understand the representativeness of the sample, demographic comparisons will be made between these individuals and problem gamblers who have sought treatment in the population surveys. See Appendix G.

Analysis

The following chart summarizes the data sources and analyses associated with each of the 10 research objectives of this project:

¹⁵ Dr. Manitowabi is an indigenous associate professor in Northern and Community Studies (Anthropology Program) at Laurentian University in Sudbury, Ontario.

Table 1. National Study Research Objectives, Data Sources, and Analysis

| | Research Objective | Data Sources | Analysis |
|----|---|---|--|
| 1 | Comprehensive background documentation of gambling in Canada | <ul style="list-style-type: none"> • Online research • National Committee of Directors of Responsible Gambling | <ul style="list-style-type: none"> • None |
| 2 | Current Canadian and provincial prevalence rates of gambling (legal and illegal), specific types of gambling, and problem gambling | <ul style="list-style-type: none"> • CCHS Statistics Canada Survey • Baseline Online Panel Survey | <ul style="list-style-type: none"> • Descriptive Statistics • Univariate statistical tests of differences between provinces and demographic groups |
| 3 | Current online gambling (prevalence, regulatory capture, harm, profile of online gamblers) | <ul style="list-style-type: none"> • Baseline Online Panel Survey • CCHS Statistics Canada Survey | <ul style="list-style-type: none"> • Descriptive Statistics • Univariate statistical tests of differences between provinces • Multivariate prediction of prevalence, regulatory capture |
| 4 | Current gambling attitudes and knowledge | <ul style="list-style-type: none"> • Baseline Online Panel Survey • Key Informant Surveys of Major Provincial Stakeholders | <ul style="list-style-type: none"> • Descriptive Statistics • Univariate statistical tests of differences between provinces and demographic groups • Multivariate prediction of attitudes |
| 5 | Low Risk Gambling Limits | <ul style="list-style-type: none"> • Baseline & Follow-Up Online Panel Surveys • CCHS Statistics Canada Survey | <ul style="list-style-type: none"> • Same analytic approach that has been historically used (see Currie et al., 2006, 2008, 2012, 2017) |
| 6 | Indigenous gambling | <ul style="list-style-type: none"> • CCHS Statistics Canada Survey (~1000) • Baseline Online Panel Survey (~500) • Key Informant Interviews of indigenous Leaders | <ul style="list-style-type: none"> • Descriptive Statistics • Pattern of results and common themes from key informant interviews |
| 7 | Profile of Canadian problem gamblers | <ul style="list-style-type: none"> • CCHS Statistics Canada Survey (~420) • Baseline Online Panel Survey (~1400) • Problem Gamblers in Treatment Survey (500) | <ul style="list-style-type: none"> • Descriptive Statistics |
| 8 | Etiology of problem gambling and problem gambling remission | <ul style="list-style-type: none"> • Baseline & Follow-Up Online Panel Surveys • CCHS Statistics Canada Survey • Problem Gamblers in Treatment Survey | <ul style="list-style-type: none"> • Descriptive Statistics • Logistic Regression |
| 9 | Role of variation in how legal gambling is provided and harm minimization initiatives on problem gambling and gambling related harm | <ul style="list-style-type: none"> • CCHS Statistics Canada Survey (PG) • Baseline Online Panel Survey (PG & harm) • Key Informant Surveys of Major Provincial Stakeholders • Casino Patron Surveys • Problem Gamblers in Treatment Survey | <ul style="list-style-type: none"> • Descriptive Statistics • Pattern of results and common themes from Key Informant Surveys • Univariate Correlation and Multiple Regression |
| 10 | Impact of cannabis legalization | <ul style="list-style-type: none"> • Baseline & Follow-Up Online Panel Surveys | <ul style="list-style-type: none"> • Descriptive Statistics • Multiple Regression and Logistic Regression |

Detecting Inter-Provincial Differences

Determining whether there are any significant inter-provincial differences in gambling attitudes, rates of gambling participation, problem gambling, and gambling-related harm will involve univariate statistically tests. With the 10,000 online panel and 28,000 Statistics Canada sample sizes, detecting significant inter-provincial differences in things such as attitudes toward gambling, rates of gambling participation, cannabis use, etc. will not be difficult. More difficult will be detecting differences in variables with very low prevalence rates, in particular, problem gambling and gambling-related harm. Based on recent provincial and state surveys, we estimate the current Canadian prevalence of problem gambling to be ~1.5% and the prevalence of gambling-related harm to be about double (~3.0%). Within the online panel we estimate the prevalence rates to be ~15% and ~20% respectively. It is also important to know the magnitude of the inter-provincial differences to be expected. In the last national prevalence study in 2002 there was a 2.7 times difference between the lowest provincial problem gambling prevalence rate (0.9% in PE) and the highest (2.4% in MB).

Thus, Table 1 outlines the needed sample size in each province to identify statistically significant inter-provincial differences of 50% and 100% (using a two-sided test, alpha = .05, power = .80). The top of the table reflects the range of values likely to be obtained with the *CCHS Statistics Canada Survey* and the values at the bottom reflect the range likely to be obtained with the *Online Panel Surveys*.

Table 2. Power Calculations

| 50% Difference | | 100% Difference | |
|-----------------|------|-----------------|------|
| 1.0% vs 1.5% | 7747 | 1.0% vs 2.0% | 2316 |
| 1.5% vs 2.25% | 5131 | 1.5% vs 3.0% | 1531 |
| 2.0% vs 3.0% | 3823 | 2.0% vs 4.0% | 1139 |
| 2.5% vs 3.75% | 3038 | 2.5% vs 5.0% | 903 |
| 3.0% vs 4.5% | 2515 | 3.0% vs 6.0% | 746 |
| 3.5% vs 5.25% | 2141 | 3.5% vs 7.0% | 634 |
| 4.0% vs 6.0% | 1861 | 4.0% vs 8.0% | 550 |
| 5.0% vs 7.5% | 1468 | 5.0% vs 10.0% | 432 |
| 7.5% vs 11.25% | 945 | 7.5% vs 15.0% | 275 |
| 10.0% vs 15.0% | 683 | 10.0% vs 20.0% | 197 |
| 12.5% vs 18.75% | 526 | 12.5% vs 25.0% | 150 |
| 15.0% vs 22.5% | 422 | 15.0% vs 30.0% | 118 |
| 17.5% vs 26.25% | 347 | 17.5% vs 35.0% | 96 |
| 20.0% vs 30.0% | 291 | 20.0% vs 40.0% | 79 |

Table 2 outlines the likely obtained sample size for each province and territory in our surveys. As can be seen, the *Baseline Online Panel Survey* should be able to detect most provincial differences in problem gambling and Gambling-Related harm, especially if the sample is stratified (i.e., 1420 in each province or provincial region), whereas the *CCHS Statistics Canada Survey* (with 28,000) may only be able to identify significant differences between the most populous provinces (sampling cannot be stratified in this survey). Note that grouping of the Atlantic provinces is necessary for adequate sample size. This grouping is not that problematic from a theoretical perspective in that all the Atlantic provinces are all served by the Atlantic Lottery Corporation and have very similar availability of legal gambling and RG initiatives. Note also that Statistics Canada has indicated they will not be collecting data from the northern territories.

Table 3. Provincial/Territorial Sample Sizes

| Jurisdiction | 2016 Population | % of Pop | Baseline Online Panel Survey (N = 10,000) | | | CCHS Statistics Canada Survey (N = 28,000) | |
|--------------------------------|-----------------|----------|---|-------|-------------------|--|-----------------|
| | | | | | | | |
| British Columbia (BC) | 4,707,021 | 13.06% | 1306 | 1306 | 1420 | 3875 | 3875 |
| Alberta (AB) | 4,231,959 | 11.74% | 1174 | 1174 | 1420 | 3510 | 3510 |
| Saskatchewan (SK) | 1,142,570 | 3.17% | 317 | 317 | 1420 ² | 1175 | 1175 |
| Manitoba (MB) | 1,303,893 | 3.62% | 362 | 362 | 1420 ² | 1340 | 1340 |
| Ontario (ON) | 13,873,933 | 38.49% | 3849 | 3849 | 1420 | 8670 | 8670 |
| Quebec (QC) | 8,294,656 | 23.01% | 2301 | 2301 | 1420 | 6060 | 6060 |
| New Brunswick (NB) | 754,735 | 2.09% | 209 | 659 | 1420 | 890 | 3370 |
| Nova Scotia (NS) | 945,824 | 2.62% | 262 | | | 1180 | |
| Prince Edward Island (PE) | 146,933 | 0.41% | 41 | | | 490 | |
| Newfoundland and Labrador (NL) | 528,336 | 1.47% | 147 | | | 810 | |
| Yukon Territory (YT) | 37,193 | 0.10% | 10 | 32 | 60 ¹⁶ | 0 | 0 ¹⁷ |
| North West Territory (NT) | 44,291 | 0.12% | 12 | | | 0 | |
| Nunavut Territory (NU) | 37,174 | 0.10% | 10 | | | 0 | |
| TOTAL | 36,048,518 | 100.0% | 10000 | 10000 | 10000 | 28000 | ~28000 |

Assuming we do find significant differences in gambling-related harm and problem gambling between the provinces, it will not be possible to attribute the differences to any individual harm minimization initiative or way of providing gambling, as each province has a fairly unique pattern of these things. All that can be said is that a specific provincial pattern of harm minimization and legal gambling is associated with significantly higher or lower rates of problem gambling and gambling-related harm. This is still a very useful undertaking, as provincial governments are the main entities with the ability to change the provincial landscape of harm minimization initiatives and legal gambling, which is something they will be much more likely to do if they are identified as lagging behind other provinces. This will be especially true if the specific harm minimization initiatives or way of providing gambling that influence these higher or lower rates are more unambiguously identified using the procedures described below:

Disentangling the Contribution of Different Variables to Concurrent Problem Gambling and Gambling-Related Harm in Each Province

The main way of disentangling the contribution of different variables to problem gambling and gambling-related harm will be with univariate and multivariate analysis looking at the association between provincial problem gambling and gambling-related harm rates (the dependent variables) as a function of presence/absence of each harm minimization initiative, utilization of each harm minimization initiative, presence/absence of various forms of legal gambling, density of EGMs, % revenue to treatment, demographics, etc. The relative size of each individual correlation will speak to the potential importance/unimportance of the variable in producing or mitigating harm. Multiple regression (using all the significant variables from the univariate analyses) will then more unambiguously establish each variable's relative importance and unique contribution to problem gambling and gambling-related harm.

The second way will involve the self-report from gamblers themselves. The *Online Panel Surveys* contain several questions asking all gamblers about their awareness of each harm minimization initiative, utilization of these

¹⁶ LegerWeb indicated that a maximum of only 50-60 online panelists can be achieved in YT, NT, & NU.

¹⁷ The gambling rapid response module will not be administered in the territories.

initiatives, and perceived effectiveness of these initiatives. The answers to these questions will provide important triangulation of the statistical results described above.

Products and Distribution of Work

Because of the many different aspects to this project, producing several independent and detailed academic journal articles will be produced in addition to a 50-80 page Final Report that provides a more summative overview of our findings. The following identifies the lead for each paper, but all team members would have the opportunity to be co-authors on all articles. The lead on each paper may also wish to involve researchers beyond the Research Team in the data analysis and writing. The following is not a comprehensive list of potential articles; it is simply the obvious ones that derive from the investigation.

| PAPERS | Data Sources Utilized | | | | | | |
|---|------------------------------|-------------------------------|--|--|---------------------------------------|-----------------------|-------------------------------|
| | Baseline Online Panel Survey | CCHS Statistics Canada Survey | Key Informant Surveys of Provincial Stakeholders | Key Informant Interviews of Indigenous Leaders | Problem Gamblers in Treatment Surveys | Casino Patron Surveys | Follow-Up Online Panel Survey |
| Prevalence and correlates of gambling and problem gambling in Canada • <i>Williams, Leonard, ?</i> | | | | | | | |
| Online gambling in Canada: Prevalence, Participants, Regulatory Capture, and Harm • <i>Williams, Leonard, ?</i> | | | | | | | |
| Attitudes toward gambling and knowledge of gambling in Canada as a function of province and demographic characteristics • <i>Smith, Nicoll, Christensen, ?</i> | | | | | | | |
| Illegal gambling in Canada • <i>Smith, ?</i> | | | | | | | |
| A profile of Canadian problem gamblers: demographics, comorbidities, treatment utilization, and self-help strategies • <i>Hodgins, Williams, ?</i> | | | | | | | |
| Indigenous gambling and problem gambling in Canada: quantitative and qualitative perspectives • <i>Belanger, Manitowabi, Williams, ?</i> | | | | | | | |
| First Nations Gambling in Canada (2 nd Edition?) • <i>Belanger, ?</i> | | | | | | | |
| The role of harm minimization initiatives and legal gambling provision as predictors of concurrent Canadian and provincial rates of problem gambling & gambling-related harm. • <i>Christensen, Nicoll, Williams ?</i> | | | | | | | |
| Policy implications of inter-provincial differences and predictors of problem gambling & gambling-related harm in Canada • <i>Smith, ?</i> | | | | | | | |
| Levels of gambling involvement as predictive of concurrent and future harm: further data to inform Canadian low risk guidelines • <i>Currie, Hodgins, & CCSA</i> | | | | | | | |
| Etiology of problem gambling (include self-report explanations) • <i>Williams, ?</i> | | | | | | | |

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| PPGM-Revised (refinements to PG question threshold, At-Risk criteria, Pathological criteria) <ul style="list-style-type: none"> • <i>Williams, ?</i> | | | | | | | |
| The one-year impact of cannabis legalization on gambling behaviour and gambling-related harm in Canada <ul style="list-style-type: none"> • <i>McGrath, ?</i> | | | | | | | |
| The one-year impact of cannabis legalization on cannabis usage and cannabis-related harm in Canada <ul style="list-style-type: none"> • <i>McGrath, ?</i> | | | | | | | |
| Predictors of problem gambling remission from a large scale longitudinal cohort (includes role of treatment) <ul style="list-style-type: none"> • <i>Christensen, Hodgins, Williams, ?</i> | | | | | | | |
| Final Report: "Gambling and Problem Gambling in Canada: A National Study" <ul style="list-style-type: none"> • <i>Williams, Belanger, Christensen, el-Guebaly, Hodgins, Leonard, McGrath, Nicoll, Smith, Stevens</i> | | | | | | | |

Timelines & Chronology

| | |
|-------------------------------|--|
| Oct 2016 | Idea put forward by the AGRI Board for another major AGRI project, analogous to LLLP and Social & Economic Impacts of Gambling in Alberta (SEIGA). |
| Dec 2016 | Email confirmation from Statistics Canada (Dr. Andrew MacKenzie; section chief for CCHS) about our ability to create a revised gambling module in the CCHS (Rapid Response module) and the approximate costs. |
| Apr 7, 2017 | RW presents the proposal to AGRI Board and Researchers at AGRI Conference. Tentative acceptance of the idea, but needs to be fleshed out. |
| Apr 2017 | Rough estimate of the costs of the online panel provided by Andrew Mattern of LegerWeb. |
| Apr 30, 2017 | More detailed 8 page outline of the project sent to AGRI Board and Researchers. |
| May 15, 2017 | AGRI Board and Researchers provide feedback on initial outline. Broad support, but because of the many different elements makes more sense to characterize this as a 'national study' rather than a 'prevention of gambling-related harm' investigation. |
| May 26, 2017 | Revised 5 page proposal sent out in advance of a teleconference to discuss. |
| Early June 2017 | Overture made to Canadian Consortium for Gambling Research to participate. They agree to fund the Stats Canada portion (~\$175K), but require an advisory board of researchers for this component. They will fund directly, rather than through AGRI. |
| Jun 15, 2017 | AGRI Teleconference to discuss and finalize research plan. Continues to be broad acceptance, but there would be value in a broader base of contributors (and funders) for a national project |
| Jun 19, 2017 | Teleconference with Michelle Hynes-Dawson (AGLC representative to CRGA) for feedback on the 5 page proposal and their potential involvement (financial and otherwise). She will distribute the proposal to the next CRGA meeting and ask for input. |
| Jul 13, 2017 | Teleconference with Alberta Health Services to discuss their interest and involvement. They are very interested and supportive, but are unable to contribute funding. |
| Jul 15, 2017 | More comprehensive proposal distributed to AGRI research team that includes a draft CCHS gambling module. |
| Aug 15, 2017 | AGRI teleconference to discuss latest proposal and latest developments and plan of action. David Hodgins indicated that CCSA would likely be receptive to help fund elements pertaining to the Low Risk Guidelines. He will investigate further. |
| Oct 5, 2017 | Teleconference with AGRI team to discuss updates and latest draft of proposal. CCSA is able to contribute \$80K, primarily to fund Quebec portions of the initiative. |
| Oct 20, 2017 | Teleconference with AGRI Board to provide update on project. |
| Oct 23, 2017 – Nov 9, 2017 | Teleconferences and emails with CCGR and CCHS advisory panel (Cam Wild, Traci Afifi, Rob Williams, Sylvia Kairouz, Will Shead) to draft the new CCHS gambling module. Draft gambling module sent to Statistics Canada on Nov 15. |
| Nov 1, 2017 | Teleconference with CRGA requesting their participation in the project both methodologically and financially (they subsequently decline to participate). |
| Nov 22, 2017 | AGRI Teleconference to discuss next steps. |
| Nov 25, 2017 | Latest version of proposal distributed to AGRI team. Includes draft gambling module for CCHS and draft online panel surveys. |
| Dec 1, 2017 | Presentation to AGRI Board providing update on project. AGRI Board agrees to fund the project contingent on budget availability and continued search for partners (e.g., Manitoba Gambling Research Program). |
| Dec 14, 2017 | Finalized gambling module for CCHS submitted to Statistics Canada. They will be field testing the questionnaire in the next few months. |
| Jan 8, 2018 | AGRI Teleconference to update team on Stats Canada survey and to discuss next steps. |
| Jan 15, 2018 | Latest version of proposal distributed to AGRI team. Includes latest gambling module for the <i>CCHS Statistics Canada Survey</i> and latest draft of the <i>Online Panel Surveys</i> . |
| Jan 22, 2018 | AGRI Teleconference to discuss latest version of the proposal. |
| Late Jan 2018 | Finalization of the content of the <i>Online Panel Surveys</i> . |
| Feb 1, 2018 | AGRI Board initiates 3 external reviews of the Research Proposal |

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| Mar-Apr 2018 | <ul style="list-style-type: none"> External reviews received and addressed. Project recommended. Firm quote for <i>Online Panel Surveys</i> obtained from LegerWeb. |
| May 2018 | <ul style="list-style-type: none"> First 5 months of funding for grant received from AGRI (to Sep 30, 2018) Project Manager hired (Carrie Leonard) GREO agrees to fund 50% of the Project Manager's salary + pay \$30K towards cleaning of the LLLP dataset. Ethics approval sought from University of Lethbridge Human Subjects Review Committee for the <i>Online Panel Surveys</i> (received Jun 19, 2018). Continued discussions with Yukon, NWT, and Nunavut concerning their interest in funding a complementary telephone survey of gambling and problem gambling to be administered in Nov/Dec 2018 (will let us know by Aug 1, 2018). In August they declined to participate due to lack of resources. |
| Jun – Oct 2018 | <ul style="list-style-type: none"> Project Manager works on the data cleaning of the LLLP dataset Rhys Stevens undertakes background research to document historic and current harm minimization initiatives and gambling provision in each province. Further development of the questions for the <i>Key Informant Interviews of Indigenous Leaders</i> (Belanger to take lead); <i>Problem Gamblers in Treatment Survey</i> (Hodgins to take lead); <i>Casino Patron Surveys</i> (Christensen and Nicoll to take lead). Once finalized, the lead for each component seeks ethics approval from the University of Lethbridge. |
| Nov 2018 | <ul style="list-style-type: none"> Remainder of 1st year fiscal year funding for grant received from AGRI |
| Jul 3 – Dec 24, 2018 | CCHS STATISTICS CANADA SURVEY administered by Statistics Canada to 28,000 Canadians. |
| Aug 16-Oct 10, 2018 | BASELINE ONLINE PANEL SURVEY administered to 10,000 Canadians by LegerWeb. (final total of 10,198) |
| Oct 2018 | <i>Baseline Online Panel Survey</i> cleaned and subset of questions pertaining to Low Risk Guidelines given to CCSA (David Hodgins on Oct 24). |
| Mar 12, 2019 | RDC application submitted to analyze the CCHS data. Informed by Statistics Canada that application will not be evaluated until early to mid May. |
| Apr – May 2019 | KEY INFORMANT SURVEYS OF THE MAJOR PROVINCIAL STAKEHOLDERS undertaken by Project Manager under supervision from Williams. |
| Jun – Aug 2019 | <ul style="list-style-type: none"> INDIGENOUS KEY INFORMANT INTERVIEWS conducted by Yale Belanger & Darrel Manitowabi |
| Jun 1 – Aug 2019 | <ul style="list-style-type: none"> CASINO PATRON SURVEYS administered by Project Manager and Research Assistant under supervision from Christensen and Nicoll (starting with River Cree in Edmonton) |
| Jun 25, 2019 | <ul style="list-style-type: none"> Statistics Canada CCHS module available in Research Data Centres; Carrie initiates statistical analysis |
| Aug 15-Oct 10 2019 | <ul style="list-style-type: none"> FOLLOW-UP ONLINE PANEL SURVEY administered by LegerWeb. Initial papers can be written by Research Team |
| Fall 2019 | PROBLEM GAMBLERS IN TREATMENT SURVEYS conducted by Project Manager (under supervision from Hodgins) |
| Fall/Winter 2019 | <ul style="list-style-type: none"> Project Manager does data cleaning, creation of composite variables, and codebook creation for the <i>Follow-Up Online Panel Survey</i>; data entry for <i>Problem Gamblers in Treatment Survey</i>; data entry for <i>Casino Patron Surveys</i>. Additional papers written by Research Team |
| 2020 | Continued data analysis and article writing/submissions |
| Sep 30, 2020 | End of contract for Project Manager. |
| 2022 | Data sets given to a public institutional repository and made available to other researchers. Statistics Canada will house the CCHS data, which will be available to all researchers via the Research Data Centres at most Canadian universities. |

Financial Information

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| In-Kind Contribution of AGRI Researchers <ul style="list-style-type: none"> Estimated monetary value of time spent by the AGRI members of the project in developing the methodology, administering the project, and analyzing and writing up the results over a 3-year time period (30% for RW, 15% for all other members) | \$507,200 |
| CCHS Statistics Canada Survey <ul style="list-style-type: none"> Sample of 28,000 administered from July 2018 to December 2018 | \$200,000 |
| Online Panel Surveys (quote from LegerWeb) <ul style="list-style-type: none"> Sample of 10,000 in the <i>Baseline Online Panel Survey</i> and possible retention of 8,000 in the <i>Follow-Up Online Panel Survey</i> \$10 per person incentivization of <i>Baseline Online Panel Survey</i> completers to retake the <i>Follow-Up Online Panel Survey</i> | \$237,300 |
| Full time Project Manager/Post Doc for 2 yr 8 mo (\$65,854K/yr inclusive of benefits) <ul style="list-style-type: none"> Submitting and/or facilitating ethics application(s) and renewals financial management data cleaning and code book creation for the LLLP dataset coordination with other organizations/stakeholders data cleaning for the <i>CCHS Statistics Canada Survey</i> and the <i>Online Panel Surveys</i> creation of a code book for the <i>Online Panel Surveys</i> anonymizing the online panel data for public release at the end of the project administering the 50 <i>Key Informant Surveys of Major Provincial Stakeholders</i> organizing and administering the 1,500 <i>Casino Patron Surveys</i> (and hiring of the RA) arranging for the 500 <i>Problem Gamblers in Treatment Surveys</i> data cleaning and analysis of the <i>Key Informant Surveys of Major Provincial Stakeholders</i>, the <i>Problem Gamblers in Treatment Survey</i>, and the <i>Casino Patron Surveys</i> assisting with analyses and papers | \$175,637 (\$17.5K deducted by U of L for overhead) |
| Key Informant Surveys of Major Provincial Stakeholders <ul style="list-style-type: none"> \$100 donation to key informant's charity of choice x 50 key informants; long-distance phone charges | \$5,250 |
| Key informant Interviews of Indigenous leaders <ul style="list-style-type: none"> \$200 donation to key informant's charity of choice x 25 key informants Travel costs for Yale Belanger and Darrel Manitowabi to Vancouver, Saskatoon, Winnipeg, Toronto/Ottawa, and Halifax (2 days in each location) 1 laptop for field interviews | \$19,500 |
| Problem Gamblers in Treatment Surveys <ul style="list-style-type: none"> 500 surveys of problem gamblers receiving treatment; long distance charges \$50 per person compensation (gift card) + \$50 per survey agency administration costs | \$50,250 |
| Casino Patron Surveys <ul style="list-style-type: none"> 250 surveys in 6 major casinos in each of BC, AB, SK, ON, QU, NS (1,500 surveys in total) \$10 per patron compensation (gift card) 1 Research Assistant hired by the Project Manager (employed full time for 5 months) Printing costs; long distance charges Travel costs for Project Manager and Research Assistant Laptops for Project Manager and Research Assistant + 3 ipads for survey administration | \$55,750 |
| Dissemination & Other <ul style="list-style-type: none"> Annual team meeting on day following AGRI conference Printing final report; miscellaneous office supplies Conference presentations to disseminate results (\$2500 x 8 team members) | \$23,000 |
| TOTAL: \$766,687 (not including in-kind contribution of AGRI researchers) | \$1,273,687 |

Co-Funders

- [Canadian Consortium for Gambling Research](#) is funding and managing the *CCHS Statistics Canada Survey* portion of the project (in conjunction with the 5-member CCHS Advisory Panel (Robert Williams, Traci Afifi, Sylvia Kairouz, Will Shead, Cameron Wild)).
- [Canadian Centre on Substance Use and Addiction](#) (CCSA). Through a financial contribution from the *Mise sur toi* Foundation, the CCSA is providing \$80,000 (not including GST) toward the *Online Panel Surveys* (specifically toward helping develop the Canadian Low Risk Gambling Guidelines).
- [Gambling Research Exchange Ontario](#) (GREO). GREO are paying for 50% of the costs for the Project Manager to clean the data (\$87,500). In return, the data will eventually be housed by GREO. They are also paying the Project Manager \$30,000 for cleaning of the Leisure, Lifestyle, Lifecycle Project data (June 2018 – December 2018) in return for having it housed at GREO. In total, this constitutes 61.8% of the Project Manager's salary.
- Note: Canadian Responsible Gambling Association and Alberta Health were both approached, but declined to provide funding.

ANP Cash Flow by Fiscal Year

| DATE | CCHS Statistics Canada Survey | Online Panel Surveys | | Project Manager | | Key Informant Surveys of Major Stakeholders | Key Informant Interviews of Indigenous Leaders | Problem Gamblers in Treatment Surveys | Casino Patron Surveys | Dissemination & Other | AGRI FUNDING BY FISCAL YEAR | |
|----------------|-------------------------------|----------------------------|----------------------------|-------------------------------|-----------------|---|--|---------------------------------------|-----------------------|-----------------------|---------------------------------|-------|
| | | CCSA | AGRI | GREO | AGRI | | | | | | | |
| FUNDER | CCGR | CCSA | AGRI | GREO | AGRI | AGRI | AGRI | AGRI | AGRI | AGRI | | |
| Apr – Jun 2018 | | | | | \$10,976 | | | | | | \$107,981 | |
| Jul – Sep 2018 | \$200,000 | \$42,000 (includes GST) | \$69,300 (includes GST) | | \$16,466 | | | | | | | |
| Oct – Dec 2018 | | | | \$10,978 | \$5,489 | | | | | | | |
| Jan – Mar 2019 | | | | \$16,466 | | \$5,250 | | | | | | \$500 |
| Apr – Jun 2019 | \$16,466 | | | | | | | \$500 | | \$216,000 | | |
| Jul – Sep 2019 | | \$42,000 (includes GST) | \$84,000 (includes GST) | \$16,466 | | | \$19,500 | \$55,750 | \$500 | | | |
| Oct – Dec 2019 | | | | \$16,466 | | | | \$50,250 | \$500 | | | |
| Jan – Mar 2020 | | | | \$16,466 | | | | | \$5,000 | | | |
| Apr – Jun 2020 | | | | \$7,726 | \$8,740 | | | | | \$6,000 | \$41,206 | |
| Jul – Sep 2020 | | | | | \$16,466 | | | | | \$5,000 | | |
| Oct – Dec 2020 | | | | | | | | | | \$5,000 | | |
| | \$200,000 | \$84,000 | \$153,300 | \$117,500¹⁸ | \$58,137 | \$5,250 | \$19,500 | \$50,250 | \$55,750 | \$23,000 | \$365,187 AGRI Total | |

¹⁸ \$17,500 deducted by U of L for overhead. Last 3 months of employment (Oct-Dec, 2020) eliminated to accommodate this.

LegerWeb Correspondence

From: Robert Williams <Robert.williams@uleth.ca>
Sent: Thursday, April 5, 2018 4:41 PM
To: Mattern, Andrew
Cc: Samantha Rochon
Subject: RE: Gambling Survey

Hi Andrew,

Thanks for this. We will shorten the survey and recheck our timings, with the notion of getting the baseline survey to something that we both agree is an average of 25 minutes. I will presume this would cost \$106K.

Cheers, Robert

Robert Williams, PhD, RPsych
Professor, Faculty of Health Sciences &
Coordinator, Alberta Gambling Research Institute
3017 Markin Hall
University of Lethbridge
Lethbridge, Alberta; Canada
T1K 3M4
403-382-7128 (phone)

From: Andrew Mattern <amattern@LegerWeb.com>
Sent: Thursday, April 5, 2018 2:12 PM
To: Williams, Robert
Cc: Samantha Rochon
Subject: RE: Gambling Survey

Hello Robert,

I hope all is well. We have re-crunched the numbers on this, we will indeed still be able to achieve the n=10,000, with the minimums of n=1,420 per region as discussed.

The tighter qualification (past 4 week gambler) does have an impact on the pricing discussed last year. Also, our experience, as well as our internal tests, suggest that this survey will average closer to 35-40 minutes overall, with the longest being up to 50 minutes.

All that said we have put together pricing for different LOI options. It is difficult to be 100% sure of the true length before hitting field, though as mentioned we do believe it to be in the 35-40 minute range.

The overall pricing would break down as follows:

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| 20 minutes | \$80,000 |
| 30 minutes | \$132,000 |
| 40 minutes | \$178,000 |

The above pricing would be the 'all-in' pricing for the Year 1 survey and include all programming, hosting, translation, data collection, incentives, and management.

Year 2 (estimated at 15 minutes), would be a straight-forward \$5.00 per complete (\$15.00 total once we include the additional \$10.00 incentive).

Please let me know your thoughts, or if there is anything else I can do!

Cheers

Andrew Mattern
Director, Legerweb

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Appendix A: 2018 CCHS Gambling Module (GAM) for Statistics Canada Survey

The following questions are about various types of gambling activities. Please think about all forms of gambling done either in person or online, including lotteries, organised betting and casual wagers with friends. **Note: specific time frame that 'past 12 months' applies to is specified in earlier modules, so no need to repeat it.**

PAST YEAR GAMBLING PARTICIPATION

(Abbreviated and adapted Gambling Participation Instrument; CATI/CAPI format; Canadian Version)

G1a. In the past 12 months, how often have you purchased or played **instant lottery tickets**, such as scratch, break-open or pull-tabs, or played instant online games? **(read response options)** Interviewer Note: **exclude lotteries such as Lotto 6/49, Max, etc.)**

- 1: Never
- 2: Less than once a month
- 3: Once a month
- 4: Two to three times a month
- 5: Once a week
- 6: Several times a week
- DK: Don't Know **do not read**
- RF: Refused **do not read -> go to END**

G2a. And how often have you played or spent money on **lottery or raffle tickets**, excluding sports lottery tickets? (in the past 12 months) **(read response options)** Interviewer Note: **This includes Lotto 6/49, Lotto Max, Daily Grand, provincial/regional lotteries, hospital lotteries, 50-50 tickets.**

- 1: Never
- 2: Less than once a month
- 3: Once a month
- 4: Two to three times a month
- 5: Once a week
- 6: Several times a week
- DK: Don't Know **do not read**
- RF: Refused **do not read**

G3a. In the past 12 months, how often have you bet or spent money on **electronic gambling machines**, such as slot machines, VLTs, electronic blackjack, electronic roulette or video poker, either in person or online? **(do not read response options)** Interviewer Note: **this refers to stand-alone machines and also includes electronic bingo machines, electronic craps, electronic keno machines, electronic racing machines. Includes playing at any location in any country.**

- 1: Never
- 2: Less than once a month
- 3: Once a month
- 4: Two to three times a month
- 5: Once a week
- 6: Several times a week
- DK: Don't Know **do not read**
- RF: Refused **do not read**

G4a. Now, excluding electronic machine versions, how often in the past 12 months have you bet or spent money on **casino table games** like poker, blackjack, baccarat or roulette? Please include any location, whether at a casino, a private residence, online, or anywhere else. **(do not read response options)** Interviewer Note: **also includes craps, mah-jong, sic bo, pai gow.**

- 1: Never
- 2: Less than once a month
- 3: Once a month
- 4: Two to three times a month
- 5: Once a week
- 6: Several times a week
- DK: Don't Know **do not read**

RF: Refused **do not read**

G5a. In the past 12 months, how often have you bet money on **sports** such as hockey, football, horseracing, billiards or golf including pools, sports lottery tickets, and bets made with friends? (read response options) Interviewer Note: Includes sport lottery tickets (Proline, Sports Select, Mise-O-Jeu); e-sports (professional video game competitions); fantasy sports (point totals from a 'fantasy team' composed of players selected from different teams); virtual sports (computer generated competitions); and sports the person participates in themselves (e.g. pool, bowling, golf, darts).

- 1: Never
- 2: Less than once a month
- 3: Once a month
- 4: Two to three times a month
- 5: Once a week
- 6: Several times a week
- DK: Don't Know **do not read**
- RF: Refused **do not read**

G6a. In the past 12 months, how often have you bet or spent money playing **bingo**, excluding instant bingo games or electronic machine versions? Interviewer Note: This includes bingo played while the numbers are drawn, such as at a bingo hall, or an online bingo hall, but excludes instant bingo games like scratch tickets or electronic machines versions.

- 1: Never
- 2: Less than once a month
- 3: Once a month
- 4: Two to three times a month
- 5: Once a week
- 6: Several times a week
- DK: Don't Know **do not read**
- RF: Refused **do not read**

G7a. How often in the past 12 months have you bet or spent money on any **other forms** of gambling that have not been mentioned? (do not read response options) Interviewer Note: Examples include keno, animal fights, dog racing, non-casino card or dice games such as rummy or backgammon, video games, board games, television events (e.g., reality show winners), political events. Please record speculative financial market activities in G8a.

- 1: Never
- 2: Less than once a month
- 3: Once a month
- 4: Two to three times a month
- 5: Once a week
- 6: Several times a week
- DK: Don't Know **do not read**
- RF: Refused **do not read**

G8a. In the past 12 months, how often have you engaged in any **speculative financial market activities** such as day trading, penny stocks, shorting, options, currency futures, etc.? (read response options). Interviewer Note: Also includes betting on the direction or future value of a financial index (e.g., TSX, currency value) on a gambling website.

- 1: Never
- 2: Less than once a month
- 3: Once a month
- 4: Two to three times a month
- 5: Once a week
- 6: Several times a week
- DK: Don't Know **do not read**
- RF: Refused **do not read**

G9 only asked for people who report engaging in one or more types of gambling in past 12 months.

G9. For the types of gambling that you reported participating in, has your involvement been in-person, online, or both? Interviewer Note: online includes online purchase of lottery tickets.

- 1: Online

2: In-person
 3: Both
 DK: Don't Know
 RF: Refused

GTYPES. Total number of different types of gambling engaged in within past 12 months.

GFREQ. Total frequency reported on all types of gambling in past 12 months. Less than once a month = 6; Once a month = 12; Two to three times a month = 30; Once a week = 52; Several times a week = 130; 4 or more times a week = 208.

GMAXFREQ. Maximum frequency reported on any type of gambling in past 12 months.

PROBLEM GAMBLING (GP)

9 items comprising the *Problem Gambling Severity Index (PGSI)*

ADMINISTER THIS SECTION ONLY IF PERSON INDICATES GAMBLING MONTHLY OR MORE IN EITHER G1a, G2a, G3a, G4a, G5a, G6a, G7a, G8a

You may feel like some of the following questions do not apply to you; however, it is important that they be asked in this survey.

GP1. In the past 12 months, how often have you bet more than you could really afford to lose? (read response options)

1: Never

2: Sometimes

3: Most of the time

4: Almost always

DK: Don't Know do not read

RF: Refused do not read; go to END (Note: this is the Statistics Canada Gambling Module protocol that will be retained for the purposes of consistency)

GP2. In the past 12 months, how often have you needed to gamble with larger amounts of money to get the same feeling of excitement? (read response options)

1: Never

2: Sometimes

3: Most of the time

4: Almost always

DK: Don't Know do not read

RF: Refused do not read

GP3. [In the past 12 months], When you gambled, how often did you go back another day to try to win back the money you lost?

1: Never

2: Sometimes

3: Most of the time

4: Almost always

DK: Don't Know do not read

RF: Refused do not read

GP4. [In the past 12 months], Have you borrowed money or sold anything to get money to gamble?

1: Never

2: Sometimes

3: Most of the time

4: Almost always

DK: Don't Know do not read

RF: Refused do not read

GP5. [In the past 12 months], How often has your gambling caused any financial problems for you or your household? (read response options)

1: Never

2: Sometimes

3: Most of the time

4: Almost always

DK: Don't Know do not read

RF: Refused do not read

GP6. [In the past 12 months], How often have you felt that you might have a problem with gambling?

1: Never

2: Sometimes

3: Most of the time

4: Almost always

DK: Don't Know do not read

RF: Refused do not read

GP7. [In the past 12 months], How often has your gambling caused you any health problems, including stress or anxiety?

1: Never

2: Sometimes

3: Most of the time

4: Almost always

DK: Don't Know do not read

RF: Refused do not read

GP8. [In the past 12 months], How often have people criticized your betting or told you that you had a gambling problem, regardless of whether or not you thought it was true? (read response options)

1: Never

2: Sometimes

3: Most of the time

4: Almost always

DK: Don't Know do not read

RF: Refused do not read

GP9. [In the past 12 months], How often have you felt guilty about the way you gamble or what happens when you gamble?

1: Never

2: Sometimes

3: Most of the time

4: Almost always

DK: Don't Know do not read

RF: Refused do not read

PGSITOTAL. Sum of GP1-GP9 after recoded (1=0; 2=1; 3=2; 4=3)

PGSICATEGORY.

Appendix B: 2018 CCHS Core, Themed and Optional Content

ADMINISTRATION INFORMATION (ADM)

[To minimize the number of questions asked/To enhance the information you have provided], Statistics Canada will combine [your responses] with information from [the tax data of all members of the household/your tax data]. [Statistics Canada, your [territorial/provincial] ministry of health and the "Institut de la Statistique du Québec"/Statistics Canada and your [territorial/provincial] ministry of health] may also combine [your responses] with information from other survey or administrative sources. This may include information on past and continuing use of health services such as visits to hospitals, clinics and doctors' offices.

1: Continue (Go to ADM_D010A)

2: Respondent does not want his or her responses combined with other sources

3: Other [e.g., respondent hung up, interview suspended or interrupted]

ADM_Q010. Having a provincial or territorial health number will assist us in linking to this other information.

[Do you] have [a Newfoundland and Labrador/a Prince Edward Island/a Nova Scotia/a New Brunswick/a Quebec/an Ontario/a Manitoba/a Saskatchewan/an Alberta/a British Columbia/a Yukon/a Northwest Territories/a Nunavut] health number?

1: Yes

2: No

8: RF

9: DK

ADM_Q015. For which province or territory is [your] health number?

10: Newfoundland and Labrador

11: Prince Edward Island

12: Nova Scotia

13: New Brunswick

24: Quebec

35: Ontario

46: Manitoba

47: Saskatchewan

48: Alberta

59: British Columbia

60: Yukon

61: Northwest Territories

62: Nunavut

88: Does not have a Canadian health number

98: RF

99: DK

ADM_Q24. What is your health number?

Long Answer Length = 12

ADM_R025. To avoid duplication of surveys, Statistics Canada has signed agreements to share the data from this survey with provincial and territorial ministries of health, Health Canada and the Public Health Agency of Canada. Provincial ministries of health may make the data available to local health authorities. With the exception of postal code, [names, addresses, telephone numbers and health numbers will be provided/names, addresses and telephone numbers will be provided].

ADM_R030. To avoid duplication of surveys, Statistics Canada has signed agreements to share the data from this survey with provincial and territorial ministries of health, the "Institut de la Statistique du Québec", Health Canada and the Public Health Agency of Canada. The "Institut de la Statistique du Québec" and provincial ministries of health may make this data available to local health authorities. With the exception of postal code, [names, addresses, telephone numbers and health numbers will be provided/names, addresses and telephone numbers will be provided].

ADM_Q035. These organizations have agreed to keep the data confidential and use it only for statistical purposes.

Do you agree to share the data provided?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

ADM_Q037. To reduce the number of questions in this questionnaire, Statistics Canada will use information from your tax forms submitted to the Canada Revenue Agency. With your consent Statistics Canada will disclose this information from your forms to [provincial and territorial ministries of health, the "Institut de la Statistique du Québec", Health Canada and the Public Health Agency of Canada/provincial and territorial ministries of health, Health Canada and the Public Health Agency of Canada]. These organizations have agreed to keep the information confidential and to use it only for statistical and research purposes.

Do you give Statistics Canada permission to disclose your tax information to [provincial and territorial ministries of health, the "Institut de la Statistique du Québec", Health Canada and the Public Health Agency of Canada/provincial and territorial ministries of health, Health Canada and the Public Health Agency of Canada]?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

ALCOHOL USE (ALC)

Now, some questions about your alcohol consumption. A 'drink' refers to: a bottle or small can of beer, cider or cooler with 5% alcohol content, or a small draft; a glass of wine with 12% alcohol content; a glass or cocktail containing 1½ oz. of a spirit with 40% alcohol content.

ALC_Q005. Have you ever had a drink in your lifetime?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

ALC_Q010. During the past 12 months, that is, from [CURRENTDATE-1] to yesterday, have you had a drink of beer, wine, liquor or any other alcoholic beverage?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

ALC_Q015. During the past 12 months, how often did you drink alcoholic beverages?

- 1: Less than once a month
- 2: Once a month
- 3: 2 to 3 times a month
- 4: Once a week
- 5: 2 to 3 times a week
- 6: 4 to 6 times a week
- 7: Every day
- 8: RF
- 9: DK

ALC_Q020. How often in the past 12 months have you had [5/4] or more drinks on one occasion?

- 1: Never
- 2: Less than once a month
- 3: Once a month
- 4: 2 to 3 times a month
- 5: Once a week
- 6: More than once a week

8: RF
9: DK

CHRONIC CONDITIONS (CCC)

The next question refers to your joints. Please do not include the back or neck.

CCC_Q005. During the past 30 days, have you had any symptoms of pain, aching, or stiffness in or around a joint?

1: Yes
2: No
8: RF
9: DK

CCC_Q010. Did your joint symptoms first begin more than 3 months ago?

1: Yes
2: No
8: RF
9: DK

CCC_R015. Now I'd like to ask about certain long-term health conditions which you may have. We are interested in "long-term conditions" which are expected to last or have already lasted 6 months or more and that have been diagnosed by a health professional. Do you have asthma?

1: Yes
2: No
8: RF
9: DK

CCC_Q020. Have you had any asthma symptoms or asthma attacks in the past 12 months?

1: Yes
2: No
8: RF
9: DK

CCC_Q025. In the past 12 months, have you taken any medicine for asthma such as inhalers (pumps), nebulizers, pills, liquids or injections?

1: Yes
2: No
8: RF
9: DK

CCC_Q030. Do you have chronic bronchitis, emphysema or chronic obstructive pulmonary disease or COPD?

1: Yes
2: No
8: RF
9: DK

CCC_Q035. Have you been told by a health professional that you have sleep apnea?

1: Yes
2: No
8: RF
9: DK

CCC_Q040. Do you have scoliosis?

1: Yes
2: No
8: RF
9: DK

CCC_R045. Do you have fibromyalgia?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q050. Do you have arthritis, for example osteoarthritis, rheumatoid arthritis, gout or any other type, excluding fibromyalgia?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q055. Do you have back problems, excluding scoliosis, fibromyalgia and arthritis?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q060. Do you have osteoporosis?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q065. Do you have high blood pressure?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q070. In the past month, have you taken any medicine for high blood pressure?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q075. Do you have high blood cholesterol or lipids?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q080. In the past month, have you taken any medicine for high blood cholesterol or lipids?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q085. Do you have heart disease?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q090. Do you suffer from the effects of a stroke?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q095. Do you have diabetes?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q100. How old were you when this was first diagnosed?

Min = 1; Max = 121

CCC_Q105. Were you pregnant when you were first diagnosed with diabetes?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q110. Other than during pregnancy, has a health professional ever told you that you have diabetes?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q115. When you were first diagnosed with diabetes, how long was it before you were started on insulin?

- 1: Less than 1 month
- 2: 1 month to less than 2 months
- 3: 2 months to less than 6 months
- 4: 6 months to less than 1 year
- 5: 1 year or more
- 6: Never
- 8: RF
- 9: DK

CCC_Q120. Do you currently take insulin for your diabetes?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q125. In the past month, did you take pills to control your blood sugar?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q130. Do you have cancer?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q135. Have you ever been diagnosed with cancer?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_R140. Do you have migraine headaches?

- 1: Yes

- 2: No
- 8: RF
- 9: DK

CCC_Q145. Do you have Alzheimer's Disease or any other dementia?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q185. Do you have chronic fatigue syndrome?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q190. Do you suffer from multiple chemical sensitivities?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q195. Do you have a mood disorder such as depression, bipolar disorder, mania or dysthymia?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CCC_Q200. Do you have an anxiety disorder such as a phobia, obsessive-compulsive disorder or a panic disorder?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

GENERAL HEALTH (GEN)

The next questions are about your health. By health, we mean not only the absence of disease or injury but also physical, mental and social well-being.

GEN_Q005. In general, would you say your health is... ?

- 1: Excellent
- 2: Very good
- 3: Good
- 4: Fair
- 5: Poor
- 8: RF
- 9: DK

GEN_Q010. Using a scale of 0 to 10, where 0 means "Very dissatisfied" and 10 means "Very satisfied", how do you feel about your life as a whole right now?

Min = 0; Max = 10

GEN_Q015. In general, would you say your mental health is...?

- 1: Excellent
- 2: Very good
- 3: Good
- 4: Fair
- 5: Poor
- 8: RF

9: DK

GEN_Q020. Thinking about the amount of stress in your life, would you say that most of your days are...?

- 1: Not at all stressful
- 2: Not very stressful
- 3: A bit stressful
- 4: Quite a bit stressful
- 5: Extremely stressful
- 8: RF
- 9: DK

The next question is about your main job or business in the past 12 months.

GEN_Q025. Would you say that most days at work were...?

- 1: Not at all stressful
- 2: Not very stressful
- 3: A bit stressful
- 4: Quite a bit stressful
- 5: Extremely stressful
- 8: RF
- 9: DK

GEN_Q030. How would you describe your sense of belonging to your local community? Would you say it is...?

- 1: Very strong
- 2: Somewhat strong
- 3: Somewhat weak
- 4: Very weak
- 8: RF
- 9: DK

INCOME (INC)

Although many health expenses are covered by health insurance, there is still an important relationship between health and income. Please be assured that, like all other information you have provided, these answers will be kept strictly confidential.

INC_Q005. Thinking about the total income for all household members, from which of the following sources did your household receive any income in the year ending December 31, [CURRENTYEAR [minus] 1]?

- 01: Wages and salaries
- 02: Income from self-employment
- 03: Dividends and interest (e.g., on bonds, savings)
- 04: Employment insurance
- 05: Workers' compensation
- 06: Benefits from Canada or Quebec Pension Plan
- 07: Job-related retirement pensions, superannuation and annuities
- 08: RRSP/RRIF (Registered Retirement Savings Plan/Registered Retirement Income Fund)
- 09: Old Age Security and Guaranteed Income Supplement
- 10: Provincial or municipal social assistance or welfare
- 11: Child Tax Benefit or family allowances
- 12: Child support
- 13: Alimony
- 14: Other (e.g., rental income, scholarships)
- 15: None
- 98: RF
- 99: DK

INC_Q010. Does this amount include a supplement for people with disabilities?

- 1: Yes
- 2: No
- 8: RF

9: DK

INC_Q015. What was the main source of household income?

- 01: Wages and salaries
- 02: Income from self-employment
- 03: Dividends and interest (e.g., on bonds, savings)
- 04: Employment insurance
- 05: Workers' compensation
- 06: Benefits from Canada or Quebec Pension Plan
- 07: Job-related retirement pensions, superannuation and annuities
- 08: RRSP/RRIF (Registered Retirement Savings Plan/Registered Retirement Income Fund)
- 09: Old Age Security and Guaranteed Income Supplement
- 10: Provincial or municipal social assistance or welfare
- 11: Child Tax Benefit or family allowances
- 12: Child support
- 13: Alimony
- 14: Other (e.g., rental income, scholarships)
- 15: None
- 98: RF
- 99: DK

INC_Q25. Now a question about your total household income.

What is your best estimate of your total household income received by all household members, from all sources, before taxes and deductions, during the year ending December 31, [CURRENTYEAR [minus] 1]]? Income can come from various sources such as from work, investments, pensions or government. Examples include Employment Insurance, Social Assistance, Child Tax Benefit and other income such as child support, spousal support (alimony) and rental income.

Min = -9000000; Max = 90000000

INC_Q30. Can you estimate in which of the following groups your household income falls? Was the total household income during the year ending December 31, [CURRENTYEAR [minus] 1]... ?

- 1: Less than \$50,000, including income loss
- 2: \$50,000 and more
- 8: RF
- 9: DK

INC_Q35. Please stop me when I have read the category which applies to your household. Was it... ?

- 1: Less than \$5,000
- 2: \$5,000 to less than \$10,000
- 3: \$10,000 to less than \$15,000
- 4: \$15,000 to less than \$20,000
- 5: \$20,000 to less than \$30,000
- 6: \$30,000 to less than \$40,000
- 7: \$40,000 to less than \$50,000
- 8: RF
- 9: DK

INC_Q40. Please stop me when I have read the category which applies to your household. Was it... ?

- 1: \$50,000 to less than \$60,000
- 2: \$60,000 to less than \$70,000
- 3: \$70,000 to less than \$80,000
- 4: \$80,000 to less than \$90,000
- 5: \$90,000 to less than \$100,000
- 6: \$100,000 to less than \$150,000
- 7: \$150,000 and over
- 8: RF
- 9: DK

LBF_Q005A. Many of the following questions concern [your] activities last week. By last week, I mean the week beginning on _____, and ending _____. Last week, did you work at a job or business? (regardless of the number of hours)

- 1: Yes
- 2: No
- 8: RF
- 9: DK

LBF_Q005B. Last week, did you have a job or business from which you were absent?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

LBF_Q005C. What was the main reason you were absent from work last week?

- 1: Own illness or disability
- 2: Caring for own children
- 3: Caring for elder relative (60 years of age or older)
- 4: Maternity or parental leave
- 5: Other personal or family responsibilities
- 6: Vacation
- 7: Labour dispute (strike or lockout) (Employees only)
- 8: Temporary layoff due to business conditions (Employees only)
- 9: Seasonal layoff (Employees only)
- 10: Casual job, no work available (Employees only)
- 11: Work schedule (e.g., shift work) (Employees only)
- 12: Self-employed, no work available (Self-employed only)
- 13: Seasonal business (Excluding employees)
- 14: Other - Specify
- 98: RF
- 99: DK

LBF_R010. The next questions are about your current job or business. If person currently holds more than one job, report on the job for which the number of hours worked per week is the greatest. Were you an employee or self-employed?

- 1: Employee
- 2: Self-employed
- 3: Working in a family business without pay
- 8: RF
- 9: DK

LBF_Q015A. What was the name of your business?

Long Answer Length = 50. Enter the full name of the business. If there is no business name, enter the respondent's full name.

LBF_Q015B. For whom did you work?

Long Answer Length = 50. Enter the full name of the company, business, government department or agency, or person.

LBF_Q015C. What kind of business, industry or service was this?

Long Answer Length = 50. Enter a detailed description. For example: new home construction, primary school, municipal police, wheat farm, retail shoe store, food wholesale, car parts factory, federal government

LBF_Q020A. What was your work or occupation?

Long Answer Length = 50. Enter a detailed description. For example: legal secretary, plumber, fishing guide, wood furniture assembler, secondary school teacher, computer programmer

LBF_Q020B. In this work, what were your main activities?

Long Answer Length = 50. Enter a detailed description. For example: prepared legal documents, installed residential plumbing, guided fishing parties, made wood furniture products, taught mathematics, developed software

LBF_Q025. On average, how many hours do you usually work per week?

Min = 0.0; Max = 168.0

LBF_Q030. Did you have more than one job or business last week?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

LBF_Q035. On average, how many hours do you usually work per week at your other job(s)?

Min = 1; Max = 168

MAIN ACTIVITY (MAC)

MAC_Q005. Last week, was your main activity working at a paid job or business, looking for paid work, going to school, caring for children, household work, retired or something else?

- 01: Working at a paid job or business
- 02: Vacation (from paid work)
- 03: Looking for paid work
- 04: Going to school (including vacation from school)
- 05: Caring for children
- 06: Household work
- 07: Retired
- 08: Maternity/paternity leave
- 09: Long term illness
- 10: Volunteering
- 11: Care-giving other than for children
- 12: Other
- 98: RF
- 99: DK

MAC_Q010. Have you worked at a job or business at any time in the past 12 months?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

MAC_Q015. Are you currently attending school, college, CEGEP or university?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

MAC_Q020. Are you enrolled as...?

- 1: A full-time student
- 2: A part-time student
- 3: Both full-time and part-time student
- 8: RF
- 9: DK

MAC_Q025. To better understand the information you will provide on your health it is important to know if you are pregnant. Are you pregnant?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PHYSICAL ACTIVITIES - adults 18 years and older (PAA)

Physical activities - adults 18 years and older (PAA) - Question identifier:**PAA_R001**

The following questions are about various types of physical activities done in the last 7 days. I want you to only think of activities you did for a minimum of 10 continuous minutes.

PAA_Q005. In the last 7 days, that is from last ^DT_DAYLASTWEEKE to yesterday, did you use active ways like walking or cycling to get to places such as work, school, the bus stop, the shopping centre or to visit friends?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PAA_Q010. In the last 7 days, on which days did you do these activities?

- 1: Monday
- 2: Tuesday
- 3: Wednesday
- 4: Thursday
- 5: Friday
- 6: Saturday
- 7: Sunday
- 8: RF
- 9: DK

PAA_Q015. How much time in total, in the last 7 days, did you spend doing these activities? Please only include activities that lasted a minimum of 10 continuous minutes.

Min = 0; Max = 168

PAA_N020 Enter number of minutes.

Min = 0; Max = 9995

PAA_Q030. [Not including activities you just reported, in] the last 7 days, did you do sports, fitness or recreational physical activities, organized or non-organized, that lasted a minimum of 10 continuous minutes?

Examples are walking, home or gym exercise, swimming, cycling, running, skiing, dancing and all team sports.

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PAA_Q035. Did any of these recreational physical activities make you sweat at least a little and breathe harder?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PAA_Q040. In the last 7 days, on which days did you do these recreational activities that made you sweat at least a little and breathe harder?

- 1: Monday
- 2: Tuesday
- 3: Wednesday
- 4: Thursday
- 5: Friday
- 6: Saturday
- 7: Sunday
- 8: RF
- 9: DK

PAA_Q045. In the last 7 days, how much time in total did you spend doing these activities that made you sweat at least a little and breathe harder?

Min = 0; Max = 168

PAA_N050 Enter number of minutes.

Min = 0; Max = 9995

PAA_Q060. In the last 7 days, did you do any other physical activities while at work, in or around your home or while volunteering? Examples are carrying heavy loads, shoveling, and household chores such as vacuuming or washing windows. Please remember to only include activities that lasted a minimum of 10 continuous minutes.

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PAA_Q065. Did any of these other physical activities make you sweat at least a little and breathe harder?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PAA_Q070. In the last 7 days, on which days did you do these other activities that made you sweat at least a little and breathe harder?

- 1: Monday
- 2: Tuesday
- 3: Wednesday
- 4: Thursday
- 5: Friday
- 6: Saturday
- 7: Sunday
- 8: RF
- 9: DK

PAA_Q075. In the last 7 days, how much time in total did you spend doing these activities that made you sweat at least a little and breathe harder?

Min = 0; Max = 168

PAA_N080. Enter number of minutes.

Min = 0; Max = 9995

PAA_Q095. You have reported a total of ^DV_PAATOTAL minutes of physical activity. Of these activities, were there any of vigorous intensity, meaning they caused you to be out of breath?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PAA_Q100. In the last 7 days, how much time in total did you spend doing vigorous activities that caused you to be out of breath?

Min = 0; Max = 168

PAA_N105. Enter number of minutes.

Min = 0; Max = 9995

PERCEIVED NEED FOR CARE (PNC) (THEMED CONTENT)

The following questions deal with the different kinds of help you received, or thought you needed, for problems with your emotions, mental health or use of alcohol or drugs.

PNC_Q01. During the past 12 months, did you receive the following kinds of help because of problems with your emotions, mental health or use of alcohol or drugs?

- 1: Information about these problems, treatments or available services
- 2: Medication
- 3: Counselling, therapy, or help for problems with personal relationships
- 4: Other type of help
- 5: None
- 8: RF
- 9: DK

PNC_Q02A. You mentioned that you received:

[information about these problems, treatments or available services/medication/counselling, therapy, or help for problems with personal relationships/other help]. Do you think you got as much of [each of these kinds/this kind] of help as you needed (during the past 12 months)?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PNC_Q02B. Which kind of help did you need more of (during the past 12 months)?

- 1: Information about these problems, treatments or available services
- 2: Medication
- 3: Counselling, therapy, or help for problems with personal relationships
- 4: Other
- 8: RF
- 9: DK

PNC_Q03. Why didn't you get [more information about these problems, treatments or available services/more medication/more counselling, therapy, or help for problems with personal relationships/more of the other kind of help you mentioned] (during the past 12 months)?

- 01: You preferred to manage yourself
- 02: You didn't know how or where to get this kind of help
- 03: You haven't gotten around to it (e.g., too busy)
- 04: Your job interfered (e.g., workload, hours of work or no cooperation from supervisor)
- 05: Help was not readily available
- 06: You didn't have confidence in health care system or social services
- 07: You couldn't afford to pay
- 08: Insurance did not cover
- 09: You were afraid of what others would think of you
- 10: Language problems
- 11: Help is ongoing
- 12: Other
- 98: RF
- 99: DK

PNC_Q04. Which of the following best describes why you preferred to manage yourself rather than seek help (during the past 12 months)?

- 01: You didn't think they knew how to help
- 02: You were uncomfortable talking about these problems
- 03: You relied on faith and spirituality
- 04: You relied on family and friends
- 05: You felt you'd be treated differently if people thought you had these problems
- 06: You didn't feel ready to seek help
- 07: You couldn't get this kind of help where you live
- 08: Other
- 98: RF
- 99: DK

PNC_Q05A. You mentioned that you did not receive:

[Information about these problems, treatments or available services/medication/counselling, therapy, or help for problems with personal relationships/other help]. Do you think you needed [this kind/any of these kinds] of help (during the past 12 months)?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PNC_Q05B. Which kind of help did you need (during the past 12 months)?

- 1: Information about these problems, treatments or available services
- 2: Medication
- 3: Counselling, therapy, or help for problems with personal relationships
- 8: RF
- 9: DK

PAIN RELIEF MEDICATION (PRM) (THEMED CONTENT)

The next series of questions are about your use of various pain relievers. By pain relievers, we mean products that contain opioids such as codeine or morphine, or related drugs. Most of these products require a prescription, although some codeine products are available without a prescription, for example, Tylenol #1 or 222s. We are not interested in pain relievers such as Aspirin, Advil, regular Tylenol, Celebrex, etc.

PRM_Q005. Have you ever used any such pain relieving products?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PRM_Q010. During the past 12 months, have you used any codeine products like Tylenol #3, Tylenol #1, 292s or 222s?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PRM_Q015. During the past 12 months, have you used any oxycodone products such as Percocet or OxyNeo?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PRM_Q020. During the past 12 months, have you used any fentanyl products?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PRM_Q025. (During the past 12 months,) have you used any other opioid products such as hydromorphone, Dilaudid, Hydromorph Contin, morphine, MS Contin, or Demerol?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PRM_Q030. (During the past 12 months,) how often did you use any such pain relievers? Would you say...?

- 01: Once or twice
- 02: 3 to 11 times a year
- 03: About once a month

- 04: 2 or 3 times a month
- 05: About once or twice a week
- 06: 3 or 4 times a week
- 07: Daily or almost daily
- 08: As needed, or following surgery
- 98: RF
- 99: DK

PRM_Q035. Thinking about all the pain relievers you have used during the past 12 months, were they prescribed for you?

- 1: No, none were prescribed
- 2: Yes, they all were prescribed
- 3: Some were prescribed and others were not
- 8: RF
- 9: DK

PRM_Q040. Sometimes people do not take their pills as directed by a physician or pharmacist. Thinking about all the pain relievers you have used during the past 12 months, did you ever take more pills, or take them more often than you were supposed to?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PRM_Q045. During the past 12 months, did you ever use pain relievers only for the experience, the feeling they caused or to get high?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PRM_Q050. During the past 12 months, did you ever use pain relievers for reasons other than pain relief, for example, to feel better (improve mood), to cope with stress or problems, or any other reason?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

PRM_Q055. (During the past 12 months,) did you ever tamper with a pain reliever product before taking it, [for example, by crushing tablets to swallow, snort or inject/not counting for ease of swallowing or to take a lower dose]?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

SEDENTARY BEHAVIOURS (SBE) (THEMED CONTENT)

The next questions are about the time you spent sitting in the last 7 days.

SBE_Q005. On a school or work day, how much of your free time did you spend watching television or a screen on any electronic device while sitting or lying down?

- 1: 2 hours or less per day
- 2: More than 2 hours but less than 4 hours
- 3: 4 hours to less than 6 hours
- 4: 6 hours to less than 8 hours
- 5: 8 hours or more per day
- 6: Was not at work or school
- 8: RF
- 9: DK

SBE_Q010. On a day that was not a school or workday, how much of your free time did you spend watching television or a screen on any electronic device while sitting or lying down?

- 1: 2 hours or less per day
- 2: More than 2 hours but less than 4 hours
- 3: 4 hours to less than 6 hours
- 4: 6 hours to less than 8 hours
- 5: 8 hours or more per day
- 8: RF
- 9: DK

SOCIO-DEMOGRAPHIC CHARACTERISTICS (SDC)

Now, some general background questions which will help us compare the health of people in Canada.

SDC_Q005. In what country were you born?

- 1: Search
- 3: Other - Specify
- 8: RF
- 9: DK

SDC_Q006. In which province or territory were you born?

- 10: Newfoundland and Labrador
- 11: Prince Edward Island
- 12: Nova Scotia
- 13: New Brunswick
- 24: Quebec
- 35: Ontario
- 46: Manitoba
- 47: Saskatchewan
- 48: Alberta
- 59: British Columbia
- 60: Yukon
- 61: Northwest Territories
- 62: Nunavut
- 98: RF
- 99: DK

SDC_Q007. Are you now, or have you ever been a landed immigrant in Canada?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

SDC_Q008. In what year did you first become a landed immigrant in Canada?

Min = 1870; Max = 2100

SDC_Q010. To which ethnic or cultural groups did your ancestors belong? (For example: French, Scottish, Chinese, East Indian)

- 1: Canadian
- 2: French
- 3: English
- 4: German
- 5: Scottish
- 6: Irish
- 7: Italian
- 8: Ukrainian
- 9: Dutch (Netherlands)
- 10: Chinese
- 11: Jewish
- 12: Polish

- 13: Portuguese
- 14: South Asian (e.g., East Indian, Pakistani, Sri Lankan)
- 15: Norwegian
- 16: Welsh
- 17: Swedish
- 18: First Nations (North American Indian)
- 19: Métis
- 20: Inuit
- 21: Other - Specify
- 98: RF
- 99: DK

SDC_Q015. Are you an Aboriginal person, that is, First Nations, Métis or Inuk (Inuit)? First Nations includes Status and Non-Status Indians.

- 1: Yes
- 2: No
- 8: RF
- 9: DK

SDC_Q016. Are you First Nations, Métis or Inuk (Inuit)?

- 1: First Nations (North American Indian)
- 2: Métis
- 3: Inuk (Inuit)
- 8: RF
- 9: DK

SDC_Q020. You may belong to one or more racial or cultural groups on the following list. Are you... ?

- 1: White
- 2: South Asian (e.g., East Indian, Pakistani, Sri Lankan)
- 3: Chinese
- 4: Black
- 5: Filipino
- 6: Latin American
- 7: Arab
- 8: Southeast Asian (e.g., Vietnamese, Cambodian, Malaysian, Laotian)
- 9: West Asian (e.g., Iranian, Afghan)
- 10: Korean
- 11: Japanese
- 12: Other - Specify
- 98: RF
- 99: DK

SDC_Q025. Of English or French, which language(s) do you speak well enough to conduct a conversation? Is it... ?

- 1: English only
- 2: French only
- 3: Both English and French
- 4: Neither English nor French
- 8: RF
- 9: DK

SDC_Q026. What language do you speak most often at home?

Long Answer Length = 80

SDC_Q027. What is the language that you first learned at home in childhood and still understand?

Long Answer Length = 80

SDC_R030. Now a question about the dwelling in which you live. Is this dwelling...?

- 1: Owned by you or a member of this household, even if it is still being paid for

2: Rented, even if no cash rent is paid

8: RF

9: DK

SDC_R035. Now, one additional background question which will help us compare the health of people in Canada. Socio-demographic characteristics (SDC). Do you consider yourself to be...?

1: Heterosexual (sexual relations with people of the opposite sex)

2: Homosexual, that is lesbian or gay (sexual relations with people of your own sex)

3: Bisexual (sexual relations with people of both sexes)

8: RF

9: DK

SMOKING (SMK)

The next questions are about cigarette smoking.

SMK_Q005. At the present time, do you smoke cigarettes every day, occasionally or not at all?

1: Daily

2: Occasionally

3: Not at all

8: RF

9: DK

SMK_Q010. In the past 30 days, did you smoke any cigarettes?

1: Yes

2: No

8: RF

9: DK

SMK_Q015. During the past 30 days, did you smoke every day?

1: Yes

2: No

8: RF

9: DK

SMK_Q020. Have you smoked more than 100 cigarettes (about 4 packs) in your life?

1: Yes

2: No

8: RF

9: DK

SMK_Q025. Have you ever smoked a whole cigarette?

1: Yes

2: No

8: RF

9: DK

SMK_Q030. Have you ever smoked cigarettes daily?

1: Yes

2: No

8: RF

9: DK

SMK_Q035. At what age did you smoke your first whole cigarette?

Min = 5; Max = 121

SMK_Q040. At what age did you begin to smoke cigarettes daily?

Min = 5; Max = 121

SMK_Q045. How many cigarettes do you smoke each day now?

Min = 1; Max = 99

SMK_Q050. On the days that you do smoke, how many cigarettes do you usually smoke?

Min = 1; Max = 99

SMK_Q055. In the past month, on how many days have you smoked one or more cigarettes?

Min = 0; Max = 31

SMK_Q060. When did you stop smoking? Was it...?

- 1: Less than one year ago
- 2: 1 year to less than 2 years ago
- 3: 2 years to less than 3 years ago
- 4: 3 or more years ago
- 8: RF
- 9: DK

SMK_Q065. In what month did you stop?

- 1: January
- 2: February
- 3: March
- 4: April
- 5: May
- 6: June
- 7: July
- 8: August
- 9: September
- 10: October
- 11: November
- 12: December
- 98: RF
- 99: DK

SMK_Q070. How many years ago was it?

Min = 3; Max = 121

SMK_Q075. When you smoked every day, how many cigarettes did you usually smoke each day?

Min = 1; Max = 99

SMK_Q080. When did you stop smoking daily? Was it...?

- 1: Less than one year ago
- 2: 1 year to less than 2 years ago
- 3: 2 years to less than 3 years ago
- 4: 3 or more years ago
- 8: RF
- 9: DK

SMK_Q085. In what month did you stop?

- 1: January
- 2: February
- 3: March
- 4: April
- 5: May
- 6: June
- 7: July
- 8: August
- 9: September
- 10: October

- 11: November
- 12: December
- 98: RF
- 99: DK

SMK_Q090. How many years ago was it?

Min = 3; Max = 121

SMK_Q095. Was that when you completely quit smoking?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

SMK_Q100. When did you stop smoking completely? Was it...?

- 1: Less than one year ago
- 2: 1 year to less than 2 years ago
- 3: 2 years to less than 3 years ago
- 4: 3 or more years ago
- 8: RF
- 9: DK

SMK_Q105. In what month did you stop?

- 1: January
- 2: February
- 3: March
- 4: April
- 5: May
- 6: June
- 7: July
- 8: August
- 9: September
- 10: October
- 11: November
- 12: December
- 98: RF
- 99: DK

SMK_Q110. How many years ago was it?

Min = 3; Max = 121

STRESS AND RELATIONSHIPS (STR) (THEMED CONTENT)

Now a few questions about stress and relationships.

STR_Q005. In general, how would you rate your ability to handle the day-to-day demands in your life, for example, handling work, family and volunteer responsibilities? Would you say your ability is...?

- 1: Excellent
- 2: Good
- 3: Fair
- 4: Poor
- 8: RF
- 9: DK

STR_Q010. Please indicate to what extent the following statement describes your current relationships with other people.

There are people I can depend on to help me if I really need it.

- 1: Strongly agree
- 2: Agree

- 3: Disagree
- 4: Strongly disagree
- 8: RF
- 9: DK

WASHINGTON GROUP – DISABILITY MEASURE (WDM) (THEMED CONTENT)

The next set of questions asks about your ability to do different activities.

WDM_Q005. Do you have difficulty seeing, even if wearing glasses? Would you say...?

- 1: No difficulty
- 2: Some difficulty
- 3: A lot of difficulty
- 4: Cannot do at all / Unable to do
- 8: RF
- 9: DK

WDM_Q010. Do you have difficulty hearing, even if using a hearing aid? Would you say...?

- 1: No difficulty
- 2: Some difficulty
- 3: A lot of difficulty
- 4: Cannot do at all / Unable to do
- 8: RF
- 9: DK

WDM_Q015. Do you have difficulty walking or climbing steps?

- 1: No difficulty
- 2: Some difficulty
- 3: A lot of difficulty
- 4: Cannot do at all / Unable to do
- 8: RF
- 9: DK

WDM_Q020. Do you have difficulty remembering or concentrating?

- 1: No difficulty
- 2: Some difficulty
- 3: A lot of difficulty
- 4: Cannot do at all / Unable to do
- 8: RF
- 9: DK

WDM_Q025. Do you have difficulty with self-care, such as washing all over or dressing? Would you say...?

- 1: No difficulty
- 2: Some difficulty
- 3: A lot of difficulty
- 4: Cannot do at all / Unable to do
- 8: RF
- 9: DK

WDM_Q030. Using your usual language, do you have difficulty communicating, for example understanding or being understood?

- 1: No difficulty
- 2: Some difficulty
- 3: A lot of difficulty
- 4: Cannot do at all / Unable to do
- 8: RF
- 9: DK

ALW_Q005. Thinking back over the past week, that is, from _____ to yesterday, did you have a drink of beer, wine, liquor or any other alcoholic beverage?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

ALW_Q010. Starting with yesterday, that is [DAY1_TEXT], how many drinks did you have?

Min = 0; Max = 99

ALW_Q015. How many drinks did you have: on [DAY2_TEXT]?

Min = 0; Max = 99

ALW_Q020. How many drinks did you have: on [DAY3_TEXT]?

Min = 0; Max = 99

ALW_Q025. How many drinks did you have: on [DAY4_TEXT]?

Min = 0; Max = 99

ALW_Q030. How many drinks did you have: on [DAY5_TEXT]?

Min = 0; Max = 99

ALW_Q035. How many drinks did you have: on [DAY6_TEXT]?

Min = 0; Max = 99

ALW_Q040. How many drinks did you have: on [DAY7_TEXT]?

Min = 0; Max = 99

CONSULTATIONS ABOUT MENTAL HEALTH (CMH): NL, NS, QC, NU

Now I would like to ask you some questions about mental and emotional well-being.

CMH_Q005. In the past 12 months, that is, from [CURRENTDATE - 1] to yesterday, have you seen or talked to a health professional about your emotional or mental health? Include both face to face and telephone contacts.

- 1: Yes
- 2: No
- 8: RF
- 9: DK

CMH_Q010. How many times (in the past 12 months)?

Min = 1; Max = 366

CMH_Q015. Whom did you see or talk to? Read categories to respondent. Mark all that apply.

- 1: Family doctor or general practitioner
- 2: Psychiatrist
- 3: Psychologist
- 4: Nurse
- 5: Social worker or counsellor
- 6: Other - Specify
- 8: RF
- 9: DK

DEPRESSION (DEP): PEI, NT

DEP_Q005. Over the last two weeks, how often have you had little interest or pleasure in doing things?

- 1: Not at all
- 2: Several days
- 3: More than half the days

4: Nearly every day

8: RF

9: DK

DEP_Q010. Over the last two weeks, how often have you felt down, depressed, or hopeless?

1: Not at all

2: Several days

3: More than half the days

4: Nearly every day

8: RF

9: DK

DEP_Q015. Over the last two weeks, how often have you had trouble falling or staying asleep, or sleeping too much?

1: Not at all

2: Several days

3: More than half the days

4: Nearly every day

8: RF

9: DK

DEP_Q020. Over the last two weeks, how often have you felt tired or had little energy?

1: Not at all

2: Several days

3: More than half the days

4: Nearly every day

8: RF

9: DK

DEP_Q025. Over the last two weeks, how often have you had poor appetite or overate?

1: Not at all

2: Several days

3: More than half the days

4: Nearly every day

8: RF

9: DK

DEP_Q030. Over the last two weeks, how often have you felt bad about yourself, or that you are a failure or have let yourself or your family down?

1: Not at all

2: Several days

3: More than half the days

4: Nearly every day

8: RF

9: DK

DEP_Q035. Over the last two weeks, how often have you had trouble concentrating on things, such as reading the newspaper or watching television?

1: Not at all

2: Several days

3: More than half the days

4: Nearly every day

8: RF

9: DK

DEP_Q040. Over the last two weeks, how often have you been moving or speaking so slowly that other people could have noticed? Or the opposite, being so fidgety or restless that you have been moving around a lot more than usual?

1: Not at all

2: Several days

- 3: More than half the days
- 4: Nearly every day
- 8: RF
- 9: DK

DEP_Q045. Over the last two weeks, how often have you had thoughts that you would be better off dead, or of hurting yourself?

- 1: Not at all
- 2: Several days
- 3: More than half the days
- 4: Nearly every day
- 8: RF
- 9: DK

DEP_Q050. How difficult have these problems made it for you to do your work, take care of things at home, or get along with other people?

- 1: Not difficult at all
- 2: Somewhat difficult
- 3: Very difficult
- 4: Extremely difficult
- 8: RF
- 9: DK

DISTRESS (DIS): YT, NT

The following questions deal with feelings you may have had during the past month.

DIS_Q005. During the past month, that is, from [CURRENTDATE-1] to yesterday, about how often did you feel: tired out for no good reason?

- 1: All of the time
- 2: Most of the time
- 3: Some of the time
- 4: A little of the time
- 5: None of the time
- 8: RF
- 9: DK

DIS_Q010. During the past month, that is, from [CURRENTDATE-1] to yesterday, about how often did you feel: nervous?

- 1: All of the time
- 2: Most of the time
- 3: Some of the time
- 4: A little of the time
- 5: None of the time
- 8: RF
- 9: DK

DIS_Q015. During the past month, that is, from [CURRENTDATE-1] to yesterday, about how often did you feel: so nervous that nothing could calm you down?

- 1: All of the time
- 2: Most of the time
- 3: Some of the time
- 4: A little of the time
- 5: None of the time
- 8: RF
- 9: DK

DIS_Q020. During the past month, that is, from [CURRENTDATE-1] to yesterday, about how often did you feel: hopeless?

- 1: All of the time

- 2: Most of the time
- 3: Some of the time
- 4: A little of the time
- 5: None of the time
- 8: RF
- 9: DK

DIS_Q025. During the past month, that is, from [CURRENTDATE-1] to yesterday, about how often did you feel: restless or fidgety?

- 1: All of the time
- 2: Most of the time
- 3: Some of the time
- 4: A little of the time
- 5: None of the time
- 8: RF
- 9: DK

DIS_Q030. During the past month, that is, from [CURRENTDATE-1] to yesterday, about how often did you feel: so restless you could not sit still?

- 1: All of the time
- 2: Most of the time
- 3: Some of the time
- 4: A little of the time
- 5: None of the time
- 8: RF
- 9: DK

DIS_Q035. During the past month, that is, from [CURRENTDATE-1] to yesterday, about how often did you feel: sad or depressed?

- 1: All of the time
- 2: Most of the time
- 3: Some of the time
- 4: A little of the time
- 5: None of the time
- 8: RF
- 9: DK

DIS_Q040. During the past month, that is, from [CURRENTDATE-1] to yesterday, about how often did you feel: so depressed that nothing could cheer you up?

- 1: All of the time
- 2: Most of the time
- 3: Some of the time
- 4: A little of the time
- 5: None of the time
- 8: RF
- 9: DK

DIS_Q045. During the past month, that is, from [CURRENTDATE-1] to yesterday, about how often did you feel: that everything was an effort?

- 1: All of the time
- 2: Most of the time
- 3: Some of the time
- 4: A little of the time
- 5: None of the time
- 8: RF
- 9: DK

DIS_Q050. During the past month, that is, from [CURRENTDATE-1] to yesterday, about how often did you feel: worthless?

- 1: All of the time
- 2: Most of the time
- 3: Some of the time
- 4: A little of the time
- 5: None of the time
- 8: RF
- 9: DK

DIS_Q055. We just talked about feelings that occurred to different degrees during the past month. Putting them all together, did these feelings occur more often in the past month than is usual for you, less often than usual or about the same as usual?

- 1: More often
- 2: Less often
- 3: About the same
- 4: Never have had any
- 8: RF
- 9: DK

DIS_Q060. Is that a lot more, somewhat more or only a little more often than usual?

- 1: A lot
- 2: Somewhat
- 3: A little
- 8: RF
- 9: DK

DIS_Q065. Is that a lot less, somewhat less or only a little less often than usual?

- 1: A lot
- 2: Somewhat
- 3: A little
- 8: RF
- 9: DK

DIS_Q070. During the past month, how much did these feelings usually interfere with your life or activities?

- 1: A lot
- 2: Some
- 3: A little
- 4: Not at all
- 8: RF
- 9: DK

DRUG USE (DRG): NB, ON, MB, YT, NT

I am now going to ask questions on your use of various drugs.

DRG_Q005. Have you ever used or tried marijuana or hashish?

- 1: Yes, just once
- 2: Yes, more than once
- 3: No
- 8: RF
- 9: DK

DRG_Q010. Was this in the past 12 months?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

DRG_Q015. How often did you use marijuana or hashish in the past 12 months?

- 1: Less than once a month
- 2: 1 to 3 times a month
- 3: Once a week
- 4: More than once a week
- 5: Every day
- 8: RF
- 9: DK

DRG_Q020. Have you ever used or tried cocaine in any form, including crack, freebase, powder or snow?

- 1: Yes, just once
- 2: Yes, more than once
- 3: No
- 8: RF
- 9: DK

DRG_Q025. Was this in the past 12 months?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

DRG_Q030. Have you ever used or tried amphetamines, speed, methamphetamines or crystal meth?

- 1: Yes, just once
- 2: Yes, more than once
- 3: No
- 8: RF
- 9: DK

DRG_Q035. Was this in the past 12 months?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

DRG_Q040. Have you ever used or tried ecstasy, also known as MDMA, E, Xtc, Adam or X?

- 1: Yes, just once
- 2: Yes, more than once
- 3: No
- 8: RF
- 9: DK

DRG_Q045. Was this in the past 12 months?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

DRG_Q050. Have you ever used or tried hallucinogens such as PCP, LSD, acid, magic mushrooms, mescaline or angel dust?

- 1: Yes, just once
- 2: Yes, more than once
- 3: No
- 8: RF
- 9: DK

DRG_Q055. Was this in the past 12 months?

- 1: Yes
- 2: No
- 8: RF

9: DK

DRG_Q060. Have you ever sniffed glue, gasoline or other solvents to get high?

- 1: Yes, just once
- 2: Yes, more than once
- 3: No
- 8: RF
- 9: DK

DRG_Q065. Was this in the past 12 months?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

DRG_Q070. Have you ever used a needle to inject or be injected with a drug not prescribed by a doctor?

- 1: Yes, just once
- 2: Yes, more than once
- 3: No
- 8: RF
- 9: DK

DRG_Q075. Was this in the past 12 months?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

DRG_Q080. Which of the following drugs have you injected using a needle?

- 1: Cocaine
- 2: Heroin or opium
- 3: Methamphetamine
- 4: Steroids
- 5: Other
- 6: I have never injected a drug using a needle
- 8: RF
- 9: DK

MEDICATION USE (MED): NT

The next series of questions are about various medications. The first series of questions are about your use of various pain relievers. By pain relievers, we mean products that contain opioids such as codeine or morphine, or related drugs. Most of these products require a prescription, although some codeine products are available without a prescription, for example, Tylenol #1 or 222s. We are not interested in pain relievers such as Aspirin, Advil, regular Tylenol, Celebrex, etc.

MED_Q005. During the past 12 months, have you used any codeine products like Tylenol #3, Tylenol #1, 292s or 222s?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

MED_Q010. During the past 12 months, have you used any oxycodone products such as Percocet or Percodan?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

MED_Q015. During the past 12 months, have you used any other opioid products such as hydromorphone, Dilaudid, Hydromorph Contin, morphine, MS Contin, or Demerol?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

MED_Q020. During the past 12 months, how often did you use any such pain relievers? Would you say...?

- 1: Once or twice
- 2: 3 to 11 times a year
- 3: About once a month
- 4: 2 or 3 times a month
- 5: About once or twice a week
- 6: 3 or 4 times a week
- 7: Daily or almost daily
- 8: As needed, or following surgery
- 98: RF
- 99: DK

MED_Q025. Thinking about all the pain relievers you have used during the past 12 months, were they prescribed for you?

- 1: No, none were prescribed
- 2: Yes, they all were prescribed
- 3: Some were prescribed and others were not
- 8: RF
- 9: DK

MED_Q030. Sometimes people do not take their pills as directed by a physician or pharmacist. Thinking about all the pain relievers you have used during the past 12 months, did you ever take more pills, or take them more often than you were supposed to?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

MED_Q035. During the past 12 months, did you ever use pain relievers only for the experience, the feeling they caused or to get high?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

MED_Q040. During the past 12 months, did you ever use pain relievers for reasons other than pain relief, for example, to feel better (improve mood), to cope with stress or problems, or any other reason?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

MED_Q045. During the past 12 months, did you ever tamper with a pain reliever product before taking it, [for example, by crushing tablets to swallow, snort or inject, not counting for ease of swallowing or to take a lower dose]?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

MED_R050. The next few questions are about your use of various stimulants. By stimulants, we mean products prescribed by a doctor to help people who have attention or concentration problems (such as ADHD). Examples of stimulants include Ritalin, Concerta, Adderall, Dexedrine or others. During the past 12 months, have you used any stimulants?

- 1: Yes

2: No
8: RF
9: DK

MED_Q055. During the past 12 months, how often did you use any stimulants? Would you say...?

1: Once or twice
2: 3 to 11 times a year
3: About once a month
4: 2 or 3 times a month
5: About once or twice a week
6: 3 or 4 times a week
7: Daily or almost daily
8: As needed, or following surgery
98: RF
99: DK

MED_Q060. Thinking about all the stimulants you used during the past 12 months, were they prescribed for you?

1: No, none were prescribed
2: Yes, they all were prescribed
3: Some were prescribed and others were not
8: RF
9: DK

MED_Q065. Sometimes people do not take their pills as directed by a physician or pharmacist. Thinking about all the stimulants you have used during the past 12 months, did you ever take more pills or take them more often than you were supposed to?

1: Yes
2: No
8: RF
9: DK

MED_Q070. During the past 12 months, did you ever use stimulants only for the experience, the feeling they caused or to get high?

1: Yes
2: No
8: RF
9: DK

MED_Q075. During the past 12 months, did you ever use stimulants for reasons other than why they were prescribed, for example, to study, to stay alert, to decrease your appetite or for any other reason?

1: Yes
2: No
8: RF
9: DK

MED_R080. The next few questions are about your use of various sedatives or anti-anxiety medications. By sedatives, we mean products that can be obtained from a doctor such as diazepam, Valium, lorazepam, Ativan, alprazolam, Xanax, clonazepam, Rivotril or others. Sedatives are sometimes prescribed to help people sleep, calm down, or to relax their muscles. During the past 12 months, have you used any sedatives?

1: Yes
2: No
8: RF
9: DK

MED_Q085. During the past 12 months, how often did you use any sedatives? Would you say...?

1: Once or twice
2: 3 to 11 times a year
3: About once a month
4: 2 or 3 times a month
5: About once or twice a week

- 6: 3 or 4 times a week
- 7: Daily or almost daily
- 8: As needed, or following surgery
- 98: RF
- 99: DK

MED_Q090. Thinking about all the sedatives you have used during the past 12 months, were they prescribed for you?

- 1: No, none were prescribed
- 2: Yes, they all were prescribed
- 3: Some were prescribed and others were not
- 8: RF
- 9: DK

MED_Q095. Sometimes people do not take their pills as directed by a physician or pharmacist. Thinking about all the sedatives you have used during the past 12 months, did you ever take more pills or take them more often than you were supposed to?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

MED_Q100. During the past 12 months, did you ever use sedatives only for the experience, the feeling they caused or to get high?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

SATISFACTION WITH LIFE (SWL): NS, QC, AB, YT

Now, I'd like to ask about your satisfaction with various aspects of your life. For each question, please tell me whether you are very satisfied, satisfied, neither satisfied nor dissatisfied, dissatisfied or very dissatisfied.

SWL_Q005. How satisfied are you with your job or main activity?

- 1: Very satisfied
- 2: Satisfied
- 3: Neither satisfied nor dissatisfied
- 4: Dissatisfied
- 5: Very dissatisfied
- 8: RF
- 9: DK

SWL_Q010. How satisfied are you with your leisure activities?

- 1: Very satisfied
- 2: Satisfied
- 3: Neither satisfied nor dissatisfied
- 4: Dissatisfied
- 5: Very dissatisfied
- 8: RF
- 9: DK

SWL_Q015. How satisfied are you with your financial situation?

- 1: Very satisfied
- 2: Satisfied
- 3: Neither satisfied nor dissatisfied
- 4: Dissatisfied
- 5: Very dissatisfied
- 8: RF
- 9: DK

SWL_Q020. How satisfied are you with yourself?

- 1: Very satisfied
- 2: Satisfied
- 3: Neither satisfied nor dissatisfied
- 4: Dissatisfied
- 5: Very dissatisfied
- 8: RF
- 9: DK

SWL_Q025. How satisfied are you with the way your body looks?

- 1: Very satisfied
- 2: Satisfied
- 3: Neither satisfied nor dissatisfied
- 4: Dissatisfied
- 5: Very dissatisfied
- 8: RF
- 9: DK

SWL_Q030. How satisfied are you with your relationships with family members?

- 1: Very satisfied
- 2: Satisfied
- 3: Neither satisfied nor dissatisfied
- 4: Dissatisfied
- 5: Very dissatisfied
- 8: RF
- 9: DK

SWL_Q035. How satisfied are you with your relationships with friends?

- 1: Very satisfied
- 2: Satisfied
- 3: Neither satisfied nor dissatisfied
- 4: Dissatisfied
- 5: Very dissatisfied
- 8: RF
- 9: DK

SWL_Q040. How satisfied are you with your housing?

- 1: Very satisfied
- 2: Satisfied
- 3: Neither satisfied nor dissatisfied
- 4: Dissatisfied
- 5: Very dissatisfied
- 8: RF
- 9: DK

SWL_Q045. How satisfied are you) with your neighbourhood?

- 1: Very satisfied
- 2: Satisfied
- 3: Neither satisfied nor dissatisfied
- 4: Dissatisfied
- 5: Very dissatisfied
- 8: RF
- 9: DK

SOCIAL PROVISIONS (SPS): NL, PEI, AB, BC

The next questions are about your current relationships with friends, family members, co-workers, community members, and so on. Please indicate to what extent each statement describes your current relationships with other people.

SPS_Q005. There are people I can depend on to help me if I really need it.

- 1: Strongly agree
- 2: Agree
- 3: Disagree
- 4: Strongly disagree
- 8: RF
- 9: DK

SPS_Q010. There are people who enjoy the same social activities I do.

- 1: Strongly agree
- 2: Agree
- 3: Disagree
- 4: Strongly disagree
- 8: RF
- 9: DK

SPS_Q015. I have close relationships that provide me with a sense of emotional security and wellbeing.

- 1: Strongly agree
- 2: Agree
- 3: Disagree
- 4: Strongly disagree
- 8: RF
- 9: DK

SPS_Q020. There is someone I could talk to about important decisions in my life.

- 1: Strongly agree
- 2: Agree
- 3: Disagree
- 4: Strongly disagree
- 8: RF
- 9: DK

SPS_Q025. I have relationships where my competence and skill are recognized.

- 1: Strongly agree
- 2: Agree
- 3: Disagree
- 4: Strongly disagree
- 8: RF
- 9: DK

SPS_Q030. There is a trustworthy person I could turn to for advice if I were having problems.

- 1: Strongly agree
- 2: Agree
- 3: Disagree
- 4: Strongly disagree
- 8: RF
- 9: DK

SPS_Q035. I feel part of a group of people who share my attitudes and beliefs.

- 1: Strongly agree
- 2: Agree
- 3: Disagree
- 4: Strongly disagree
- 8: RF
- 9: DK

SPS_Q040. I feel a strong emotional bond with at least one other person.

- 1: Strongly agree
- 2: Agree
- 3: Disagree
- 4: Strongly disagree
- 8: RF
- 9: DK

SPS_Q045. There are people who admire my talents and abilities.

- 1: Strongly agree
- 2: Agree
- 3: Disagree
- 4: Strongly disagree
- 8: RF
- 9: DK

SPS_Q050. There are people I can count on in an emergency.

- 1: Strongly agree
- 2: Agree
- 3: Disagree
- 4: Strongly disagree
- 8: RF
- 9: DK

SOURCES OF STRESS (STS): QC, AB, BC, NT

Now a few questions about the stress in your life.

STS_Q005. In general, how would you rate your ability to handle unexpected and difficult problems, for example, a family or personal crisis? Would you say your ability is...?

- 1: Excellent
- 2: Good
- 3: Fair
- 4: Poor
- 8: RF
- 9: DK

STS_Q010. In general, how would you rate your ability to handle the day-to-day demands in your life, for example, handling work, family and volunteer responsibilities? Would you say your ability is...?

- 1: Excellent
- 2: Good
- 3: Fair
- 4: Poor
- 8: RF
- 9: DK

STS_Q015. Thinking about stress in your day-to-day life, what would you say is the most important thing contributing to feelings of stress you may have?

- 1: Work
- 2: Financial concerns
- 3: Family
- 4: School work
- 5: Time pressures / not enough time
- 6: Health
- 7: Other - Specify
- 8: None
- 98: RF
- 99: DK

TOBACCO PRODUCT ALTERNATIVES (TAL): QC, ON, YT

Now, I would like to ask you a few questions about tobacco products, other than cigarettes.

TAL_Q005. In the past 30 days, did you smoke any little cigars or cigarillos?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

TAL_Q010. Were these (little cigars or cigarillos) plain, flavoured or both?

- 1: Plain
- 2: Flavoured
- 3: Both
- 8: RF
- 9: DK

TAL_Q015. In the past 30 days, did you smoke any cigars other than little cigars or cigarillos?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

TAL_Q020. In the past 30 days, did you use an electronic cigarette, also known as an 'e-cigarette'?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

TAL_Q025. In the past 30 days, did you smoke a pipe?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

TAL_Q030. In the past 30 days, did you use any chewing tobacco, pinch or snuff?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

TAL_Q035. In the past 30 days, did you smoke a tobacco water-pipe, also known as a hookah, shisha, nargeelay, hubble-bubble or gouza to smoke tobacco?

- 1: Yes
- 2: No
- 8: RF
- 9: DK

Appendix C: Baseline Online Panel Survey

LEGER QUESTIONS

Survey language

Préférez-vous répondre à ce questionnaire en anglais ou en français ? Would you prefer to complete the survey in English or French?

9: English

12: Français

Introvision

Thank you for taking the time to participate. We are currently conducting a very important academic study among many Canadians. Before you begin the study, you should be aware that there will be questions of a sensitive nature that arise. Do you wish to continue?

1: Yes

2: No, I would prefer not to participate

INT01 - ASK ALL

"I agree to answer the following survey questions truthfully and thoughtfully."

1: Yes

Not Eligible: No

PROV - ASK ALL

In which province or territory do you live?

BC: British Columbia

AB: Alberta

SK: Saskatchewan

MB: Manitoba

ON: Ontario

QC: Quebec

NB: New Brunswick

NS: Nova Scotia

PE: Prince Edward Island

NF: Newfoundland

NT: Northwest Territories

YK: Yukon

NU: Nunavut

QAB - ASK IF PROV=AB

In which region of Alberta do you live?

61: Calgary

62: Edmonton

63: Other regions of Alberta

QBC - ASK IF PROV=BC

In which region of British Columbia do you live?

70: Metro Vancouver

71: Other region in British Columbia

QON - ASK IF PROV=ON

In which region of Ontario do you live?

50: Hamilton - Niagara Peninsula

51: Kingston - Pembroke

52: Kitchener - Waterloo - Barrie

53: Greater London area

54: Muskoka - Kawarthas

55: Northeast

- 56: Northwest
- 57: Greater Ottawa area
- 58: Stratford - Bruce Peninsula
- 59: Greater Toronto area
- 60: Windsor - Sarnia

Q0QC - ASK ALL

In which region of Quebec do you live?

- 1: Bas-Saint-Laurent
- 2: Saguenay-Lac-Saint-Jean
- 3: Capitale-Nationale
- 4: Mauricie
- 5: Estrie
- 6: Montréal
- 7: Outaouais
- 8: Abitibi-Témiscamingue
- 9: Côte-Nord
- 10: Nord-du-Québec
- 11: Gaspésie/Îles-de-la-Madeleine
- 12: Chaudière-Appalaches
- 13: Laval
- 14: Lanaudière
- 15: Laurentides
- 16: Montérégie
- 17: Centre-du-Québec

Q0QCA - ASK IF Q0QC=14(Lanaudière)

Your city of residence may not appear on the list at the next question. For statistical processing reasons, only certain cities outside of the Island of Montreal are identified. If this is the case, please select the response "other city". In which city do you live?

- 1: L'Assomption
- 2: Charlemagne
- 3: L'Épiphanie
- 4: Lavaltrie
- 5: Mascouche
- 6: Repentigny
- 7: Saint-Sulpice
- 8: Terrebonne
- 96: Other Lanaudière city

Q0QCB - ASK IF Q0QC=15(Laurentides)

Your city of residence may not appear on the list at the next question. For statistical processing reasons, only certain cities outside of the Island of Montreal are identified. If this is the case, please select the response "other city". In which city do you live?

- 1: Blainville
- 2: Boisbriand
- 3: Bois-des-Filion
- 4: Deux-Montagnes
- 5: Gore
- 6: Kanesatake
- 7: Lorraine
- 8: Mirabel
- 9: Oka
- 10: Pointe-Calumet
- 11: Rosemère
- 12: Saint-Colomban
- 13: Sainte-Anne-des-Plaines
- 14: Saint-Lin-Laurentides
- 14: Sainte-Marthe-sur-le-Lac
- 15: Sainte-Thérèse

- 16: Saint-Eustache
- 17: Saint-Jérôme
- 18: Saint-Joseph-du-Lac
- 19: Saint-Placide
- 96: Other city of Laurentides

Q0QCC - ASK IF Q0QC=16(Montérégie)

Your city of residence may not appear on the list at the next question.

For statistical processing reasons, only certain cities outside of the Island of Montreal are identified. If this is the case, please select the response "other city".

In which city do you live?

- 1: Beauharnois
- 2: Beloeil
- 3: Boucherville
- 4: Brossard
- 5: Candiac
- 6: Carignan
- 7: Chambly
- 8: Châteauguay
- 9: Coteau-du-Lac
- 10: Delson
- 11: Hudson
- 12: Kahnawake
- 13: La Prairie
- 14: Léry
- 15: Les Cèdres
- 16: Les Coteaux
- 17: L'Île-Cadieux
- 18: L'Île-Perrot
- 19: Longueuil
- 20: McMasterville
- 21: Mercier
- 22: Mont-Saint-Hilaire
- 23: Notre-Dame-de-l'Île-Perrot
- 24: Otterburn Park
- 25: Pincourt
- 26: Pointe-des-Cascades
- 27: Richelieu
- 28: Saint-Amable
- 29: Saint-Basile-le-Grand
- 30: Saint-Bruno-de-Montarville
- 31: Saint-Constant
- 32: Sainte-Catherine
- 47: Saint-Jean-sur-Richelieu
- 33: Sainte-Julie
- 34: Saint-Isidore
- 35: Saint-Lambert
- 36: Saint-Lazare
- 37: Saint-Mathias-sur-Richelieu
- 37: Saint-Mathieu
- 38: Saint-Mathieu-de-Beloeil
- 39: Saint-Philippe
- 40: Saint-Zotique
- 41: Terrasse-Vaudreuil
- 42: Varennes
- 43: Vaudreuil-Dorion
- 44: Vaudreuil-sur-le-Lac
- 45: Verchères

96: Other city of Montérégie

Q0QCD - ASK IF Q0QC=3(Capitale-Nationale)

Your city of residence may not appear on the list at the next question. For statistical processing reasons, only certain cities on the outskirts of Québec City are identified. If this is the case, please select the response "other city". In which city do you live?

- 1: Ville de Québec
- 2: Boischatel
- 3: Château-Richer
- 4: Fossambault-sur-le-Lac
- 5: L'Ancienne-Lorette
- 6: L'Ange-Gardien
- 7: Lac-Beauport
- 8: Lac-Delage
- 9: Lac-Saint-Joseph
- 10: Neuville
- 11: Notre-Dame-des-Anges
- 12: Saint-Augustin-de-Desmaures
- 13: Saint-François-de-l'Île-d'Orléans
- 14: Saint-Gabriel-de-Valcartier
- 15: Saint-Jean-de-l'Île-d'Orléans
- 16: Saint-Laurent-de-l'Île-d'Orléans
- 17: Saint-Pierre-de-l'Île-d'Orléans
- 18: Sainte-Brigitte-de-Laval
- 19: Sainte-Catherine-de-la-Jacques-Cartier
- 20: Sainte-Famille
- 21: Sainte-Pétronille
- 22: Shannon
- 23: Stoneham-et-Tewkesbury
- 24: Wendake
- 96: Other city of Capitale-Nationale

Q0QCE - ASK IF Q0QC=12(Chaudière-Appalaches)

Your city of residence may not appear on the list at the next question. For statistical processing reasons, only certain cities on the outskirts of Québec City are identified. If this is the case, please select the response "other city". In which city do you live?

- 1: Ville de Lévis
- 2: Beaumont
- 3: Saint-Antoine-de-Tilly
- 4: Saint-Henri
- 5: Saint-Lambert-de-Lauzon
- 96: Other city of Chaudière-Appalaches

Q0QCF - ASK IF Q0QCD=1

Please indicate in which borough you live:

- 1: Borough of La Cité-Limoilou
- 2: Borough of Sainte-Foy-Sillery-Cap-Rouge
- 3: Borough of Les Rivières
- 4: Borough of Beauport
- 5: Borough of Charlesbourg
- 6: Borough of La Haute-St-Charles (Lac-Saint-Charles, Saint-Émile, Loretteville, Les Châtel, Val-Bélaïr)

Q0QCG - ASK IF Q0QCE=1

Please indicate in which borough you live:

- 1: Desjardins
- 2: Chutes-de-la-Chaudière-Est
- 3: Chutes-de-la-Chaudière-Ouest

SEXE - ASK ALL

Please indicate your sex:

BASELINE ONLINE PANEL SURVEY

Note: As indicated by Statistics Canada, transgender, transsexual, and intersex Canadians should indicate the sex (male or female) with which they most associate themselves.

- 1: Male
- 2: Female
- 3: Other

AGE - ASK ALL

How old are you?

- 0: Under 18
- 1: Between 18 and 24
- 2: Between 25 and 34
- 3: Between 35 and 44
- 4: Between 45 and 54
- 5: Between 55 and 64
- 6: Between 65 and 74
- 7: 75 or older
- 9: I prefer not to answer

INTRODUCTION & SCREEN

I understand that other researchers may have access to this data, and may use my words in publications, reports, web pages, and other research outputs, only if they agree to preserve the confidentiality of the information as requested in this form.

Please take as much time as needed to complete this questionnaire and try to answer the questions as accurately as you can. Many questions ask about the past 12 months, which would be from [specify month and year] to the present time.

SCREEN1. How often would you say you participate in any form of gambling? This would include buying lottery tickets or scratch games, visiting a casino, bingo, sports or horse betting as well as online betting.

- 1: Usually at least once a month
- 2: Once every 2-6 months (go to End)
- 3: Less often than every 6 months (go to End)
- 4: Never (go to End)

COMORBIDITIES (C)

C1a. During the past 12 months, how often did you use tobacco or e-cigarettes? (includes cigarettes, cigars, pipe tobacco, shisha tobacco, chewing tobacco, dipping tobacco, snuff)

- 0: Not at all
- 1: Less than once a month
- 2: Once a month
- 3: 2 to 3 times a month
- 4: Once a week
- 5: 2 to 3 times a week
- 6: 4 to 6 times a week
- 7: Every day

C2a. During the past 12 months, how often did you drink alcoholic beverages? (CCHS ALC_Q015)

- 0: Not at all (go to C3a)
- 1: Less than once a month
- 2: Once a month
- 3: 2 to 3 times a month
- 4: Once a week
- 5: 2 to 3 times a week
- 6: 4 to 6 times a week
- 7: Every day

C2b. When you consume alcohol, how often do you count the number of glasses you drink?

- 0: Never

- 1: Rarely
- 2: Only when I am going to drive
- 3: Every time

C3a. Have you heard of Low Risk Drinking Guidelines promoted by Canada and Quebec? (CCSA question) (for Quebec participants reference is made just to Quebec's Low Risk Guidelines)

- 0: No
- 1: Yes
- 2: Unsure

C3b. How many standard drinks in a day do you think is considered a low risk amount? (CCSA question)

A standard drink is one of the following:



Beer
341 ml (12 oz.)
5% alcohol
content

**Cider/
Cooler**
341 ml (12 oz.)
5% alcohol
content

Wine
142 ml (5 oz.)
12% alcohol
content

Distilled Alcohol
(rye, gin, rum, etc.)
43 ml (1.5 oz.)
40% alcohol content

Males _____ Females _____ (limit to numerals lower than 100)

C3c. How did you learn about low risk drinking limits? (check all that apply) (ask only if responded 'yes' to C3a) (CCSA question)

- 1: Television or radio advertisements
- 2: Newspaper or magazine advertisements
- 3: Information (poster, pamphlet) where I purchase alcohol
- 4: Information (poster, pamphlet) where I consume alcohol (e.g., Bar)
- 5: Other public awareness campaign
- 6: Health professional
- 7: Word of mouth
- 8: Internet
- 9: At school
- 10: At work
- 11: Do not remember

C4a. During the past 12 months, how often did you use marijuana, hashish, or any cannabis product? (modelled after CCHS DRG_Q005, DRG_Q010, DRG_Q015)

- 0: Not at all (go to C4d)
- 1: Less than once a month
- 2: Once a month
- 3: 2 to 3 times a month
- 4: Once a week
- 5: 2 to 3 times a week
- 6: 4 to 6 times a week
- 7: Every day

C4b. What methods did you use in the past 12 months to consume cannabis? Check all that apply.

- 1: Smoking joints
- 2: Smoking it in handheld pipes

- 3: Smoking it using a water pipe
- 4: Vaping
- 5: Dab smoking
- 6: Edibles (e.g. baked goods)
- 7: Drinking cannabis tea or some liquid containing cannabis
- 8: Tincture ('green dragon')
- 9: Topical application (e.g. cream, lotions)

Now we are thinking about the last 3 months

C4c. How much did you spend on cannabis in the past three months? (National Cannabis Survey CAN_Q35)

- 1: Nothing, got it free or traded something for it
- 2: Between \$1 and \$10
- 3: Between \$11 and \$25
- 4: Between \$26 and \$50
- 5: Between \$51 and \$100
- 6: Between \$101 and \$150
- 7: Between \$151 and \$250
- 8: Over \$250

C4d. How will the legalization of cannabis for recreational use impact your use of cannabis?

- 1: It will have no impact, as I'll never use it
- 2: I may try it for the first time
- 3: I'll use it less than I do now
- 4: No real impact, I'll use it about the same as I do now
- 5: I'll use it more often than I do now

C5a. During the past 12 months have you used cocaine, amphetamines, hallucinogens (such as LSD, mushrooms, or PCP), heroin, opium, fentanyl, or any other drugs not intended for medical use? "Non-medical" drug use means using it to get high or experience pleasurable effects, see what the effects are like, or use with friends.

- 0: No (go to C6a)
- 1: Yes

C5b. Which ones? (check all that apply)

- 1: Benzodiazepines (downers)
- 2: Amphetamines (methamphetamine, ice, uppers, crystal, speed)
- 3: Ecstasy/MDMA
- 4: Cocaine (coke, crack)
- 5: Opiates and Opioids (opium, morphine, codeine, Oxycontin, fentanyl, heroin, Demerol, Talwin, Percocet)
- 6: Hallucinogens (LSD, mushrooms, PCP, mescaline/peyote, ayahuasca)
- 7: Other (khat, bath salts, salvia)

C6a administered only if person has score of 3 or higher on C2a or C4a, or a score of 1 on C5a. Otherwise go to C6c.

C6a. In the past 12 months has your use of alcohol or other drugs been associated with any of the following (check all that apply) (DSM-5 criteria for Substance Use Disorder):

- 1: often taken in larger amounts or over a longer period than intended
- 2: a persistent desire or unsuccessful efforts to cut down or control use
- 3: a great deal of time spent in activities necessary to obtain the substance
- 4: strong cravings for the substance
- 5: recurrent use resulting in a failure to fulfill major role obligations at work, school, or home
- 6: continued use despite the substance causing or worsening social or interpersonal problems
- 7: continued use despite the substance causing or worsening a physical or psychological problem
- 8: important social, occupational, or recreational activities given up or reduced because of use
- 9: recurrent use in situations in which it was physically dangerous
- 10: tolerance to the substance (needing more of it to have the same effect)
- 11: withdrawal symptoms when not using the substance
- 97: no, none of the above

C6ATOTAL

SUD (0-1 = no SUDisorder; 2-3 = mild SUDisorder; 4-5 = moderate SUDisorder; 6+ = severe SUDisorder)

C6b administered only if person endorses 1 or more items from C6a.

C6b. During the past 12 months, have you sought professional help for your use of alcohol or drugs?

0: No

1: Yes

C6c. *Prior to the past 12 months*, have you had any significant problems with drug or alcohol use (i.e., difficulty controlling your use to the extent that it resulted in significant problems)? (this does not include tobacco)

0: No

1: Yes

C7a. In the past 12 months have you had any problems with overinvolvement in behavioural addictions such as overeating, sex or pornography, shopping, exercise, video games, the internet, or social media? What we mean is difficulties controlling your involvement in the behavior which has led to significant negative consequences for you or other people.

0: No (go to C7c)

1: Yes

C7b. Which specific activities have you had problems with? Check all that apply.

1: Overeating

2: Sex or pornography

3: Exercise

4: Shopping

5: Social media

6: Video games

7: Internet

8: Other

C7c. *Prior to the past 12 months*, have you had any significant problems with excessive involvement in overeating, sex or pornography, shopping, exercise, video games, the internet, or social media or other things?

0: No

1: Yes

C8. Thinking about the amount of stress in our life, would you say that In the past 12 months most of your days are..... (modelled after CCHS GEN_Q020)

1: Not at all stressful

2: Not very stressful

3: A bit stressful

4: Quite a bit stressful

5: Extremely stressful

C9. Did you experience significant physical, sexual, or emotional abuse or neglect as a child?

0: No

1: Yes

C10. Check off any events that have happened to you in the past 12 months. (Adaptation of the Life Events Questionnaire). Check all that apply.

work/school

1: started school

2: experienced significant difficulties at school

3: dropped out of school

4: started a new job

5: had a significant change in work hours, work demands, or work type

6: received an important promotion

7: had serious conflict(s) at work

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- 8: suffered a significant business loss or failure
- 9: had difficulty finding employment
- 10: was laid off or fired
- 11: retired

family and friends

- 12: moved to new location/house
- 13: became pregnant (or spouse became pregnant)
- 14: experienced a miscarriage or abortion
- 15: had a new addition to the family through birth or adoption
- 16: son or daughter left home
- 17: started a relationship with a new boyfriend/girlfriend
- 18: got married
- 19: had serious conflicts or difficulties with spouse or partner
- 20: broke up with boyfriend/girlfriend
- 21: separated or divorced
- 22: had serious conflicts with family member(s)
- 23: had serious conflicts with close friend(s)
- 24: had serious conflicts with neighbor(s)
- 25: had serious conflicts with ex-spouse
- 26: *death of spouse or partner*
- 27: *death of other close family member*
- 28: *death of close friend*
- 29: *serious illness or injury in family member or close friend*
- 30: death of important family pet

property and finances

- 31: suffered a significant financial loss
- 32: declared bankruptcy
- 33: went on social support or welfare
- 34: suffered a significant loss or damage of property
- 35: borrowed a significant amount of money (e.g., mortgage)
- 36: had a significant financial improvement

legal matters/crime

- 37: arrested or charged with a crime
- 38: placed in jail
- 39: became involved in lawsuit
- 40: *received serious threats or harassment*
- 41: *was assaulted*
- 42: *was robbed*
- 43: *was a victim of some other crime*
- 44: *caused a serious accident that injured or killed someone*

health

- 45: *witnessed a serious accident that injured or killed someone*
- 46: *suffered a serious injury as a result of an accident*
- 47: became seriously overweight or underweight
- 48: developed a serious physical illness
- 49: developed a serious mental illness
- 50: developed a drug or alcohol addiction
- 97: none of the above

C10TOTAL

NegTOTAL (total of the subset of just negative stressors/events: 2, 3, 7, 8, 9, 10, 14, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50)

ONLY ASK C11a FOR PEOPLE WHO ENDORSED 26, 27, 28, 29, 40, 41, 42, 43, 44, 45, or 46

C11a. Did any of the following symptoms occur for at least a month as a result of [specify the list of specific event(s) checked off in C10] (check all that apply) (DSM-5 criteria for PTSD):

- 1: recurrent intrusive distressing memories of the event

- 2: recurrent distressing dreams about the event
- 3: flashbacks, in which you felt you were reliving the event
- 4: intense psychological distress to reminders of the event
- 5: intense physical reactions to reminders of the event
- 97: no, none of these symptoms occurred

C11ATOTAL

Go to C12 if no symptoms checked off in C11a.

C11b. During the period you were experiencing the symptoms you just checked off, did you also (check all that apply)

- 1: make efforts to avoid distressing memories, thoughts, or feelings about the event
- 2: make efforts to avoid external reminders (people, places, etc.) of the event
- 0: no, I did not make any efforts to avoid distressing memories or external reminders

C11BTOTAL

Go to C12 if no symptoms checked off in C11b

C11c. During this period did you have any of the following symptoms (check all that apply)

- 1: inability to remember an important part of the event
- 2: persistent and exaggerated negative beliefs or expectations about oneself, others, or the world (e.g., "I am bad", "No one can be trusted", "The world is dangerous")
- 3: persistent, distorted beliefs about the cause or consequences of the event that has led you to blame yourself or others
- 4: persistent negative emotions (fear, horror, anger, guilt, shame)
- 5: markedly decreased interest or participation in activities
- 6: feelings of detachment from others
- 7: persistent inability to experience positive emotions
- 97: no, none of the above

C11CTOTAL

Go to C12 if less than 2 symptoms checked off in C11c

C11d. During this period did you have any of the following symptoms (check all that apply)

- 1: irritable behavior and angry outbursts
- 2: reckless or self-destructive behavior
- 3: over-vigilance or over-alertness
- 4: exaggerated startle response
- 5: difficulty concentrating
- 6: difficulty sleeping
- 97: no, none of the above

C11DTOTAL

PTSD (1= YES if C11ATOTAL > 0 & C11BTOTAL > 0 & C11CTOTAL > 1 & C11DTOTAL > 1; 0 = NO for all other cases)

C12. In the past 12 months, how would you rate your overall level of happiness?

- 1: Very high
- 2: High
- 3: Moderate
- 4: Low
- 5: Very low

C13a. In the past 12 months, was there ever a period of 2 weeks or longer where you had a depressed mood most of the day nearly every day and/or a loss of interest or pleasure in most activities? (DSM-5 criteria for Major Depressive Disorder)

- 0: No (go to C14a)
- 1: Yes

C13b. Check off any of the following that occurred during this time period: (DSM-5 criteria for Major Depressive Disorder)

- 1: significant weight loss or weight gain or an increase or decrease in appetite

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- 2: problems sleeping or excessive sleeping nearly every day
- 3: physical agitation or being slowed down nearly every day
- 4: fatigue or loss of energy nearly every day
- 5: feelings of worthlessness or excessive or inappropriate guilt
- 6: decreased ability to think or concentrate or indecisiveness nearly every day
- 7: recurrent thoughts of death or suicide
- 97: none of the above

C13bTOTAL

DEPRESSION (1=YES if C13bTOTAL >3; 0 = NO for all other cases)

C14a. Would you describe yourself as chronically anxious? (i.e., having difficulty controlling excessive anxiety and worry most days about a variety of things)? (DSM-5 criteria for Generalized Anxiety)

0: No (go to C15a)

1: Yes

C14b. Does this anxiety cause significant distress or impairment in your social functioning, employment, or other areas? (DSM-5 criteria for Generalized Anxiety)

0: No (go to C15a)

1: Yes

C14c. Do you also have any of the following symptoms? (check all that apply) (DSM-5 criteria for Generalized Anxiety)

- 1: restlessness or feeling keyed up or on edge
- 2: easily fatigued
- 3: difficulty concentrating or mind going blank
- 4: irritability
- 5: muscle tension
- 6: difficulty sleeping
- 97: no, none of the above

C14cTOTAL

GANXIETY (1=YES if C14cTOTAL > 2; 0=NO for all other cases)

C15a. In the past 12 months have you had recurrent unexpected panic attacks during which 4 or more of the following symptoms occur: pounding heart, sweating, trembling, shortness of breath, feelings of choking, chest pain, nausea, dizziness, chills or hot flashes, numbness, feelings of unreality, fear of losing control, fear of dying? (DSM-5 criteria for Panic Disorder)

0: No (go to C16a)

1: Yes

C15b. Have these attacks been followed by either a persistent worry about having additional attacks and/or avoidance of activities (e.g., exercise) or unfamiliar places? (DSM-5 criteria for Panic Disorder)

0: No

1: Yes

PANIC (1=YES if C15b = Yes; 0 = NO for all other cases)

C16a. In the past 12 months have you had *any other* significant mental health problem that has not been mentioned (e.g., bipolar disorder, schizophrenia, bulimia, obsessive-compulsive disorder, etc.)?

0: No (go to C17)

1: Yes

C16b. Which one?

- 1: Bipolar disorder
- 2: Schizophrenia
- 3: Bulimia
- 4: Obsessive-Compulsive Disorder

5: Other

C17. *Prior to the past 12 months*, do you have any significant history of mental health problems such as depression, post-traumatic stress, panic attacks, generalized anxiety, agoraphobia, obsessive-compulsive disorder, bipolar disorder, schizophrenia, bulimia, etc.)?

- 0: No
- 1: Yes

C18. Is there any significant history of mental health problems, drug or alcohol addictions, or behavioral addictions (overeating, sex or pornography, shopping, exercise, video games, the internet, or social media) in your parents, siblings, or children?

- 0: No
- 1: Yes
- 2: Unsure

MD (1=YES; 0=NO), any past year history of any major mental disorder (PTSD, DEPRESSION, GANXIETY, PANIC, Yes to C16a)

PERSONALITY (NEO)

NEO PI-R (Form S) for subfacet of Impulsivity (I) (Costa & McCrae, 1992).

| | Strongly Disagree | Disagree | Neutral | Agree | Strongly Agree |
|---|-------------------|----------|---------|-------|----------------|
| NEO-N-13 I have little difficulty resisting temptation. | 4 | 3 | 2 | 1 | 0 |
| NEO-N-11 I rarely overindulge in anything. | 4 | 3 | 2 | 1 | 0 |
| NEO-N-14 When I am having my favourite foods, I tend to eat too much. | 0 | 1 | 2 | 3 | 4 |
| NEO-N-15 I seldom give in to my impulses. | 4 | 3 | 2 | 1 | 0 |
| NEO-N-16 I sometimes eat myself sick. | 0 | 1 | 2 | 3 | 4 |
| NEO-N-12 I have trouble resisting my cravings. | 0 | 1 | 2 | 3 | 4 |
| NEO-N-17 Sometimes I do things on impulse that I later regret. | 0 | 1 | 2 | 3 | 4 |
| NEO-N-18 I am always able to keep my feelings under control. | 4 | 3 | 2 | 1 | 0 |

NEO-N-I-TOTAL

GAMBLING ATTITUDES (GA)

For the following questions, when we refer to “gambling” we are referring to participation in activities such as lottery and raffle tickets, instant lotteries, electronic gambling machines, casino table games, sports betting, betting on other games, bingo, keno, etc.

GA1. Which best describes your belief about the benefit or harm that gambling has for society?

- 1: The harm far outweighs the benefits
- 2: The harm somewhat outweighs the benefits
- 3: The benefits are about equal to the harm
- 4: The benefits somewhat outweigh the harm
- 5: The benefits far outweigh the harm

GA2. Which of the following best describes your opinion about legalized gambling?

- 1: All types of gambling should be legal
- 2: All types of gambling should be illegal
- 3: Some types of gambling should be legal and some should be illegal.

GA3. Which of the following best describes your opinion about gambling opportunities in your province?

- 1: Gambling is too widely available
- 2: The current availability of gambling is fine
- 3: Gambling is not available enough

GA4. Who do you believe receives the majority of gambling revenue in Canada? **Randomize order.**

- 1: Provincial governments
- 2: The federal government
- 3: Charity and nonprofit groups

- 4: Aboriginal groups
- 5: Casino companies

GA5. What is your opinion about charity involvement in gambling (i.e., both their provision of gambling and their receiving funding from gambling revenue)?

- 1: I support it
- 2: I am against it
- 3: I support them receiving funding from gambling revenue, but I do not think they should be providing any type of gambling
- 4: I am supportive of their involvement in raffles, lotteries, and bingo, but not their involvement in casinos or other types of gambling
- 5: I am neutral or have no opinion

GA6. What is your opinion about First Nations provision of gambling?

- 1: I support it
- 2: I am against it
- 3: I am supportive of their involvement in raffles, lotteries, and bingo, but not casinos or other types of gambling
- 4: I am neutral or have no opinion

GA7. Who do you think has the responsibility for minimizing the harm associated with gambling?

- 1: The gambler
- 2: The provider of gambling
- 3: It is a shared responsibility between the gambler and the provider, but the gambler has the primary responsibility
- 4: It is a shared responsibility between the gambler and the provider, but the provider has the primary responsibility
- 5: It is a shared responsibility with both the gambler and the provider having equal responsibility

GA8. How satisfied are you with the integrity and fairness of how gambling is provided in your province?

- 1: Very satisfied
- 2: Somewhat satisfied
- 3: Neutral
- 4: Somewhat dissatisfied
- 5: Very dissatisfied

GA9. How satisfied are you with government and gambling provider efforts to minimize the harm associated with gambling?

- 1: Very satisfied
- 2: Somewhat satisfied
- 3: Neutral
- 4: Somewhat dissatisfied
- 5: Very dissatisfied

GAMBLING PARTICIPATION (G)

(Gambling Participation Instrument; Online Administration Format; Canadian Version; adapted to align with the 2018 Statistics Canada Gambling Module)

The following questions are about various types of gambling activities. Please think about all forms of gambling done either in person or online, including lotteries, organised betting and casual wagers with friends. Many of these questions ask about the past 12 months, which would be from [specify month and year] to the present time.

Note: 'a' questions address frequency of gambling, 'b' questions address subtype of gambling, 'c' questions address location of play and/or means of access, 'd' questions address time spent gambling, and 'e' questions assess gambling expenditure.

G1a. In the past 12 months, how often have you purchased **lottery or raffle tickets**? This does not include instant lottery tickets, scratchcards, sports lottery tickets, or break-open tickets, but *does* include Lotto 6/49, Lotto Max, Daily Grand, provincial/regional lotteries, hospital lotteries, and 50-50 tickets.

- 0: Never (go to G2a)
- 1: Less than once a month
- 2: Once a month
- 3: Two to three times a month
- 4: Once a week

- 5: Several times a week
- 6: 4 or more times a week

G1b. What type of lottery or raffle did you participate in? (check all that apply)

- 1: A national lottery (e.g., Lotto 6/49, Lotto Max, Daily Grand) or provincial/regional lottery (e.g., names of popular provincial/regional lotteries) (BC=BC/49, Poker Lotto; AB,SK,MB,YK,NWT,NU= Western 649, Western Max, Poker Lotto; ON=Ontario 49, Lottario; QU=Quebec 49, Grande Vie, Lotto Poker; NB, NS, PE, NL=Atlantic 49, Poker Lotto)
- 2: A charity, hospital, or community group lottery or raffle
- 3: An out-of-country lottery

G1c. Where did you purchase these tickets? (check all that apply)

- 1: At a land-based store or outlet in [home province]
- 2: At a land-based store or outlet outside of [home province]
- 3: At an online website within [home province] [name of provincial website]. BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)
- 4: At an online website outside of [home province].

G1d. In the past 12 months, how many hours do you estimate you spent on lottery or raffle tickets in a typical month (this includes any time taken to purchase tickets, check results, and/or do research)? _____ (limit to numerals with a maximum value of 400)

G1e. In the past 12 months, how much money do you estimate you spent on lottery and raffle tickets in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number).

_\$_____

G2a. In the past 12 months, how often would you say you have purchased **instant lottery tickets**, such as scratchcards, break-open tickets, or pull-tabs or played **online instant games** for money?

- 0: Never (go to G3a)
- 1: Less than once a month
- 2: Once a month
- 3: Two to three times a month
- 4: Once a week
- 5: Several times a week
- 6: 4 or more times a week

G2c. Where did you purchase these tickets or play these games? (check all that apply)

- 1: At a land-based store or outlet in [home province]
- 2: At a land-based store or outlet outside of [home province]
- 3: At an online website within [home province] [name of provincial website]. BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)
- 4: At an online website outside of [home province].

G2d. In the past 12 months, how many hours do you estimate you spent on instant lottery tickets or instant games in a typical month? _____ (limit to numerals with a maximum value of 400)

G2e. In the past 12 months, how much money do you estimate you spent on instant lottery tickets or instant games in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). _\$_____ (limit to numerals)

G3a. In the past 12 months, how often have you bet or spent money on **electronic gambling machines**, such as slot machines, ALV French VLTs, electronic blackjack, electronic roulette, or video poker either in person or online? This refers to stand-alone machines and also includes electronic bingo machines, electronic craps, electronic keno machines, and electronic racing machines.

- 0: Never (go to G4a)
- 1: Less than once a month
- 2: Once a month
- 3: Two to three times a month
- 4: Once a week

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- 5: Several times a week
- 6: 4 or more times a week

G3b. What type of electronic gambling machine did you play (check all that apply)

1: Traditional machine with fruits/symbols/pictures and paylines



2: Electronic machine offering virtual casino table games such as poker, blackjack, baccarat, roulette, craps, big wheel, or virtual bingo, keno, etc.



3: Other type of machine (e.g., skill-based video gambling machine)

G3c. Where did you play these machines (check all that apply)

- 1: At a land-based casino, racetrack, or bingo hall in [home province]
- 2: At a land-based casino, racetrack, bingo hall or other gambling venue outside of [home province].
- 3: In a bar or lounge in [home province]
- 4: In a bar, hotel, restaurant, retail shop, airport, etc. outside of [home province].
- 5: At an online gambling website in [home province] [name of provincial website]. BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)
- 6: At an online gambling website outside of [home province].
- 7: At an underground/illegal casino or some other underground/illegal location in [home province]
- 8: On a ship in international waters

G3d. In the past 12 months, how many hours do you estimate you spent playing electronic gambling machines in a typical month? _____ (limit to numerals with a maximum value of 400)

G3e. In the past 12 months, how much money do you estimate you spent on electronic gambling machines in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). Do not include money spent on transportation, food, drinks, or parking. _\$ _____ (limit to numerals)

G4a. Excluding electronic machine versions, how often in the past 12 months have you bet or spent money on casino table games like poker, blackjack, baccarat or roulette? Please include any location, whether at a casino, a private residence, online, or anywhere else. This also includes craps, mah-jong, sic bo, and pai gow.

- 0: Never (go to G5a or G4f if person scored 1-6 on G3a)
- 1: Less than once a month
- 2: Once a month
- 3: Two to three times a month
- 4: Once a week
- 5: Several times a week
- 6: 4 or more times a week

G4b. What casino table games did you play (check all that apply)?

- 1: Poker
- 2: Blackjack
- 3: Baccarat
- 4: Roulette
- 5: Craps
- 6: Mahjong
- 7: Sic Bo
- 8: Pai Gow
- 9: Big Wheel (Wheel of Fortune; Big Six)

10: Other

G4c. Where did you play these table games (check all that apply)

- 1: At a land-based casino in [home province]
- 2: At a land-based gambling venue (casino, card room, Mahjong house, etc.) outside of [home province].
- 3: At a bar or lounge outside of [home province].
- 4: At an online gambling website in [home province] [name of provincial website]. BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)
- 5: At an online gambling website outside of [home province].
- 6: At a land-based underground/illegal casino, card room, or other venue in [home province]
- 7: At a private residence or workplace
- 8: On a ship in international waters

G4d. In the past 12 months, how many hours do you estimate you spent playing casino table games in a typical month? _____ (limit to numerals with a maximum value of 400)

G4e. In the past 12 months, how much money do you estimate you spent on casino table games in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). Do not include money you spent on transportation, food, drinks, or parking. _\$ _____ (limit to numerals)

G4f to G4i only asked for people who scored 1-6 on G3a or G4a

G4f. Are you a member of any gambling rewards or loyalty program?

- 0: No
- 1: Yes

G4g. In the past 12 months how often have you accessed additional money from automatic teller machines or other cash machines when you go gambling?

- 0: Never
- 1: Occasionally
- 2: Most times that I go

G4h. In the past 12 months how often have you borrowed money or played on credit when you gambled?

- 0: Never
- 1: Occasionally
- 2: Most times that I go

G4i. Have you gambled at a casino between the hours of 3am – 9am in the past 12 months?

- 0: No
- 1: Yes

G5a. In the past 12 months, how often have you **bet money on sports** either in person or online? This includes betting on professional sports such as hockey, football, basketball, and horse racing; sports lottery tickets and sports pools; betting on e-sports (professional video game competitions); fantasy sports (point totals from a 'fantasy team' composed of players selected from different teams); virtual sports (computer generated competitions); and sports you participate in yourself such as pool, bowling, golf, or darts.

- 0: Never (go to G6a)
- 1: Less than once a month
- 2: Once a month
- 3: Two to three times a month
- 4: Once a week
- 5: Several times a week
- 6: 4 or more times a week

G5b. What type of sports betting did you engage in? (check all that apply)

- 1: Betting on professional sporting events (i.e., hockey, football, basketball, baseball, boxing, mixed martial arts, motor racing, horse racing, e-sports (professional video game competitions). Which ones(s) _____

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- 2: Sports pools/lotteries (i.e., betting on the outcomes of several different professional sporting matches)
- 3: Fantasy Sports betting
- 4: Virtual Sports betting (i.e., betting on computer-generated sporting competitions)
- 5: Betting on sports that you participated in yourself (e.g., golf, pool, bowling, darts, foosball)

G5c. Where and how did you bet on sports? (indicate all that apply)

- 1: Purchased sports lottery tickets (e.g., Proline, Sports Select, Mise-O-Jeu) from a local land-based retailer
- 2: Placed bets at an online sports betting site in [home province] [name of provincial website: BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)]
- 3: Placed bets at an online sports betting site outside of [home province].
- 4: Made bets with other people at a private residence, your place of work, or some other non-commercial location
- 5: Placed bets at an illegal/underground land-based sports betting shop or bookmaker

G5d. In the past 12 months, how many hours do you estimate you spent on sports betting in a typical month? (this includes any time taken to do research and calculate odds)? _____ (limit to numerals with a maximum value of 400)

G5e. In the past 12 months, how much money do you estimate you spent on sports betting in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). _\$_____ (limit to numerals)

G6a. In the past 12 months, how often have you bet or spent money playing **bingo**? This includes bingo played while the numbers are drawn, such as at a bingo hall, or an online bingo hall, but excludes instant bingo games like scratch tickets or electronic machines versions.

- 0: Never (go to G7a)
- 1: Less than once a month
- 2: Once a month
- 3: Two to three times a month
- 4: Once a week
- 5: Several times a week
- 6: 4 or more times a week

G6c. Where did you play bingo (check all that apply)

- 1: At a land-based bingo hall in [home province]
- 2: At a land-based bingo hall outside of [home province]
- 3: At an online website within [home province] [name of provincial website]. BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)
- 4: At an online website outside of [home province].

G6d. In the past 12 months, how many hours do you estimate you spent playing bingo in a typical month? _____ (limit to numerals with a maximum value of 400)

G6e. In the past 12 months, how much money do you estimate you spent playing bingo in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). _\$_____ (limit to numerals)

G7a. In the past 12 months, how often have you bet or spent money on **other types of gambling** that have not yet been mentioned? Examples includes keno, cock fights, dog racing, dog fights, non-casino card or dice games (e.g., rummy, backgammon), video games, board games, television events (e.g., reality show winners), political events, or anything else.

- 0: Never (go to G8a)
- 1: Less than once a month
- 2: Once a month
- 3: Two to three times a month
- 4: Once a week
- 5: Several times a week
- 6: 4 or more times a week

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G7b. What are these other types of gambling you bet money on? (check all that apply)

- 1: Keno
- 2: Bingo
- 3: Kinzo
- 4: Cock fights
- 5: Dog racing
- 6: Dog fights
- 7: Other animal contests
- 8: Non-casino card games (e.g., rummy, euchre, [hanafuda](#) (hwatu))
- 9: Non-casino dice games (e.g., backgammon, Yahtzee)
- 10: Video games (i.e., other than electronic video gambling machines in casinos and e-sport competitions)
- 11: Board games
- 12: Televised entertainment events
- 13: Political events
- 14: Other _____ [specify] (do not include financial index wagering in this list)

G7c. Where did you make these bets? (check all that apply)

- 1: At a land-based gambling venue (casino, bingo hall, racetrack) in [home province]
- 2: At a land-based gambling venue (casino, bingo hall, racetrack) outside of [home province].
- 3: At a bar/lounge/club/hotel in [home province]
- 4: At a bar/lounge/club/hotel outside of [home province].
- 5: At an online gambling website in [home province] [name of provincial website]. (BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NS,PE,NL=Atlantic Lottery Corporation online games)
- 6: At an online gambling website outside of [home province].
- 7: At a land-based underground/illegal casino, card room, or other venue in [home province]
- 8: At my place of work, a private residence, or some other non-commercial location
- 9: On a ship in international waters

G7d. In the past 12 months, how many hours do you estimate you spent on these other types of gambling in a typical month? _____ (limit to numerals with a maximum value of 400)

G7e. In the past 12 months, how much money do you estimate you spent on these other types of gambling in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number).
_ \$ _____ (limit to numerals)

G8a. In the past 12 months, how often have you engaged in any **speculative financial market activities**? This refers to things such as day trading, penny stocks, shorting, options, currency futures, or placing a wager on the direction or future value of a financial index (e.g., composite index such as TSX, Dow Jones, currency value)?

- 0: Never (go to G9)
- 1: Less than once a month
- 2: Once a month
- 3: Two to three times a month
- 4: Once a week
- 5: Several times a week
- 6: 4 or more times a week

G8b. Which specific activities did you engage in? (check all that apply)

- 1: Day trading
- 2: Penny stocks
- 3: Shorting stocks
- 4: Options
- 5: Futures
- 6: Financial index betting
- 7: Other _____ [specify]

G8d. In the past 12 months, how many hours do you estimate you spent on speculative financial market activities in a typical month? (this includes time taken to do research and check prices) _____ (limit to numerals with a maximum value of 400)

G8e. In the past 12 months, how much money do you estimate you spent on these speculative financial market activities in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). _\$_____ (limit to numerals)

Go to next Section if there has been no participation in any type of gambling in the past 12 months.

G9. You said that you engaged in (list types of gambling reported earlier) in the past year. In a typical month, how many days do you engage in at least one form of gambling, including buying lottery tickets_____ (limit to numbers from 0 to 30) (CCSA question)

G10. Has your frequency of gambling over the past 12 months been steady and regular or more variable and irregular?

- 1: Very regular and steady
- 2: Fairly regular and steady
- 3: Fairly variable and irregular
- 4: Very variable and irregular

G11a. In the past 12 months, what is the largest amount of money you have lost to gambling in a single day?

- 0: \$0
- 1: \$1-\$199
- 2: \$200-\$499
- 3: \$500-\$999
- 4: \$1000-\$1999
- 5: \$2000-\$4999
- 6: \$5000-\$9999
- 7: \$10000 or more

G11b. In the past 12 months, what is the largest amount of money you have won from gambling in a single day?

- 0: \$0
- 1: \$1-\$199
- 2: \$200-\$499
- 3: \$500-\$999
- 4: \$1000-\$1999
- 5: \$2000-\$4999
- 6: \$5000-\$9999
- 7: \$10000 or more

G12 is only asked of people who participated in online gambling in the past 12 months (i.e., scored either 2 on G1c; 2 on G2c; 5 or 6 on G3c; 4 or 5 on G4c; 2 or 3 on G5c; 2 on G6c; or 5 or 6 on G7c)

G12. How did you pay for your online gambling?

- 1: Regular currency (credit card, debit card, bank wire transfer, PayPal, cheque)
- 2: Digital or cryptocurrency (e.g., Bitcoin)
- 3: Both regular currency and digital currency

GAMBLER. Any past year gambling on G1 to G8.

ONLINEGAMBLING. Any past year online gambling on G1 to G8.

GTYPES. Total number of different types of gambling engaged in within past 12 months (G1 – G8)

GFREQ. Total combined frequency reported on all types of gambling in past 12 months (range of 0 to 48).

GMAXFREQ. Maximum frequency reported on any type of gambling in past 12 months.

GTIME. Total 'typical month' time reported on all types of gambling in past 12 months. All values of 500 and higher reset to 499.

GNETLOSS. Total 'typical month' net loss/win on all types of gambling in past 12 months.

GTOTALLOSS. Only totalling losses reported on each type. Net wins for each type are reset to -1.

Ge (Expenditure) Data Cleaning: For all Ge questions, any value above +\$50,000 or below -\$50,000 is individually examined. The number is deleted if an anomalous value greater than \$50,000 is also reported on additional types of gambling and if these expenditures are inconsistent with the person's reported frequency or time spent gambling, the person's reported household income, and the person's problem gambling status. Otherwise, the number is reset to \$49,999.

GAMBLING MOTIVATION (GM)

Do not ask GM1 to anyone who has not participated in any type of gambling in the past 12 months.

GM1a. What would you say are the main reasons that you gamble? (check all that apply)

- 1: Excitement/enjoyment/fun
- 2: To win money
- 3: To develop my skills
- 4: To compete or for the challenge
- 5: To socialize
- 6: To support worthy causes
- 7: To escape, relax, or relieve stress
- 8: It makes me feel good about myself
- 9: Other _____ [specify]

GM1b. What would you say is the primary reason that you gamble? (**only accept one response**)

- 1: Excitement/enjoyment/fun
- 2: To win money
- 3: To develop my skills
- 4: To compete or for the challenge
- 5: To socialize
- 6: To support worthy causes
- 7: To escape, relax, or relieve stress
- 8: It makes me feel good about myself
- 9: Other _____ [specify]
- 97: I don't have a primary reason.

GM2. How important to you is gambling as a leisure or recreational activity?

- 0: Not at all important
- 1: Somewhat important
- 2: Quite important
- 3: Very important

GM3. How important is money to you?

- 0: Not at all important
- 1: Somewhat important
- 2: Quite important
- 3: Very important

GAMBLING CONTEXT (GC)

The following questions are not asked of non-gamblers and people who only purchase lottery/raffle or instant lottery tickets.

GC1. In the past 12 months have you typically gambled alone or with friends/family?

- 1: Always alone
- 2: Mostly alone
- 3: Sometimes alone and sometimes with friends/family
- 4: Mostly with friends/family
- 5: Always with friends/family

GC2. In the past 12 months how often did you drink alcohol when you gambled?

- 1: Always
- 2: Often
- 3: Sometimes
- 4: Rarely
- 0: Never

GC3. In the past 12 months how often did you smoke or use tobacco when you gambled?

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- 1: Always
- 2: Often
- 3: Sometimes
- 4: Rarely
- 0: Never

GC4. In the past 12 months how often did you use cannabis when you gambled?

- 1: Always
- 2: Often
- 3: Sometimes
- 4: Rarely
- 0: Never

GC5. In the past 12 months how often did you use stimulants (e.g., cocaine, amphetamine), opiates or opioids (e.g., morphine, codeine, fentanyl, heroin), tranquilizers, ecstasy, or other drugs when you gambled?

- 1: Always
- 2: Often
- 3: Sometimes
- 4: Rarely
- 0: Never

GAMBLING SOCIAL EXPOSURE (GE)

GE1. Did you ever gamble with your parents, grandparents, brothers, or sisters when you were growing up (i.e., prior to age 18)?

- 0: No
- 1: Yes, occasionally
- 2: Yes, regularly

GE2. In the past 12 months, how many of the people that you regularly spend time with have been regular gamblers?

- 0: None
- 1: One
- 2: A few of them
- 3: Many of them
- 4: All of them
- 5: Unsure

GE3. In the past 12 months, how many of the people that you regularly socialize with have had gambling problems? Someone is a 'problem gambler' if they have impaired control over their gambling that has caused a significant problem for them or someone in their immediate social network.

- 0: None
- 1: One
- 2: A few of them
- 3: Many of them
- 4: All of them
- 5: Unsure

GE4. How available are opportunities to gamble at your workplace or school (past 12 months)?

- 1: Not available
- 2: Available on occasion
- 3: Readily available if you seek them out
- 4: Readily available
- 5: Unsure or not applicable

GAMBLING FALLACIES (GF)

(Gambling Fallacies Measure; Leonard, Williams & Vokey, 2015)

GF1. Which of the following set of lottery numbers has the greatest probability of being selected as the winning combination?

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0: 1, 2, 3, 4, 5, 6

0: 8, 18, 3, 55, 32, 28

1: Each of the above have an equal probability of being selected

GF2. Which gives you the best chance of winning the jackpot on a slot machine?

0: Playing a slot machine that has not had a jackpot in over a month.

0: Playing a slot machine that had a jackpot an hour ago.

1: Your chances of winning the jackpot are the same on both machines.

GF3. How lucky are you? If 10 people's names were put into a hat and one name drawn for a prize, how likely is it that your name would be chosen?

1: About the same likelihood as everyone else

0: Less likely than other people

0: More likely than other people

GF4. If you were to buy a lottery ticket, which would be the best place to buy it from?

0: A place that has sold many previous winning tickets

0: A place that has sold few previous winning tickets

1: One place is as good as another

GF5. A positive attitude or doing good deeds increases your likelihood of winning money when gambling.

1: Disagree

0: Agree

GF6. A gambler goes to the casino and wins 75% of the time. How many times has he or she likely gone to the casino?

1: 4 times

0: 100 times

0: It is just as likely that he has gone either 4 or 100 times

GF7. You go to a casino with \$100 hoping to double your money. Which strategy gives you the best chance of doing this?

1: Betting all your money on a single bet

0: Betting small amounts of money on several different bets

0: Either strategy gives you an equal chance of doubling your money

GF8. Which game can you consistently win money at if you use the right strategy?

0: Slot machines

0: Roulette

0: Bingo

1: None of the above

GF9. Your chances of winning a lottery are better if you are able to choose your own numbers.

1: Disagree

0: Agree

GF10. You have flipped a coin and correctly guessed 'heads' 5 times in a row. What are the odds that heads will come up on the next flip. Would you say...

1: 50%

0: More than 50%

0: Or less than 50%

GFTOTAL

HARM MINIMIZATION (GHM) & RESPONSIBLE GAMBLING

GHM1a. In the past 12 months have you seen or heard any media or public awareness campaigns to prevent problem gambling in your province (e.g., on television, posters, radio, social media, billboards, etc.)?

0: No (go to GHM2a)

1: Yes

GHM1b. What impact have these messages had on your gambling expenditure?

- 0: No impact
- 1: Caused me to decrease my spending
- 2: Caused me to Increase my spending

GHM2 questions only asked of past year gamblers.

GHM2a. Do you generally keep track of **how much money** you gamble? (CCSA question)

- 0: No (go to GHM3a)
- 1: Yes

GHM2b. in what ways (check all that apply) (CCSA question)

- 1: daily basis
- 2: weekly basis
- 3: monthly basis
- 4: annual basis

GHM3a. Do you generally keep track of **how often** you gamble? (CCSA question)

- 0: No (go to GHM4a)
- 1: Yes

GHM3b. in what ways (check all that apply) (CCSA question)

- 1: daily basis
- 2: weekly basis
- 3: monthly basis
- 4: annual basis

GHM4a. Do you generally keep track of how **much time you spend** each time you gamble? (CCSA question)

- 0: No (go to GHM5a)
- 1: Yes

GHM4b. in what ways (check all that apply) (CCSA question)

- 1: daily basis
- 2: weekly basis
- 3: monthly basis
- 4: annual basis

GHM5a. In the past 12 months, how often did you limit the amount of time playing to control your gambling? (CCSA question)

- 0: never (go to GHM6a)
- 1: rarely (go to GHM6a)
- 2: sometimes
- 3: usually
- 4: always

GHM5b. What time limit do you typically use? _____ hours _____ minutes per session/day (CCSA question)

GHM5c. How helpful is setting a time limit in helping you to control your gambling? (CCSA question)

- 0: not at all helpful
- 1: mildly helpful
- 2: somewhat helpful
- 3: very helpful

GHM6a. In the past 12 months, how often did you limit **how often you play** to control your gambling? (CCSA question)

- 0: never (go to GHM7a)
- 1: rarely (go to GHM7a)
- 2: sometimes
- 3: usually

4: always

GHM6b. What frequency limit do you typically use? _____ times per week/month (CCSA question)

GHM6c. How helpful is setting a frequency limit in helping you to control your gambling? (CCSA question)

0: not at all helpful

1: mildly helpful

2: somewhat helpful

3: very helpful

GHM7a. In the past 12 months, how often did you set a predetermined **spending limit** in advance of how much you would spend gambling? (CCSA question)

0: never (go to GHM8a)

1: rarely (go to GHM8a)

2: sometimes

3: usually

4: always

GHM7b. What spending limit do you typically use? _\$_____ per week/month (CCSA question)

GHM7c. How helpful is setting a spending limit in helping you to control your gambling? (CCSA question)

0: not at all helpful

1: mildly helpful

2: somewhat helpful

3: very helpful

GHM8a. In the past 12 months, how often did you **keep track of the money you spend** in controlling your gambling? (CCSA question)

0: never (go to GHM9a)

1: rarely (go to GHM9a)

2: sometimes

3: usually

4: always

GHM8b. How helpful is keeping track of the money you spend in controlling your gambling? (CCSA question)

0: not at all helpful

1: mildly helpful

2: somewhat helpful

3: very helpful

GHM9a. In the past 12 months, how often did you **limit the amount of alcohol you consume** while gambling to control your gambling? (CCSA question) (only asked if C2a>0)

0: never (go to GHM10a)

1: rarely (go to GHM10a)

2: sometimes

3: usually

4: always

GHM9b. How helpful is limiting the amount of alcohol you consume in controlling your gambling? (CCSA question)

0: not at all helpful

1: mildly helpful

2: somewhat helpful

3: very helpful

GHM10a. In the past 12 months, how often did you limit the **amount of cannabis you consume** while gambling to control your gambling? (CCSA question)

0: never (go to GHM10a)

1: rarely (go to GHM10a)

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- 2: sometimes
- 3: usually
- 4: always

GHM10b. How helpful is limiting the amount of cannabis you consume in controlling your gambling? (CCSA question)

- 0: not at all helpful
- 1: mildly helpful
- 2: somewhat helpful
- 3: very helpful

GHM11a. In the past 12 months, how often did you **think about the negative consequences of excessive gambling** to control your gambling? (CCSA question)

- 0: never (go to GHM11a)
- 1: rarely (go to GHM11a)
- 2: sometimes
- 3: usually
- 4: always

GHM11b. How helpful is thinking about the negative consequences in controlling your gambling? (CCSA question)

- 0: not at all helpful
- 1: mildly helpful
- 2: somewhat helpful
- 3: very helpful

GHM12a. In the past 12 months, how often did you **restrict access to additional cash** (i.e., leaving bank cards at home) to control your gambling? (CCSA question)

- 0: never (go to GHM13a)
- 1: rarely (go to GHM13a)
- 2: sometimes
- 3: usually
- 4: always

GHM12b. How helpful is restricting access to additional cash in controlling your gambling? (CCSA question)

- 0: not at all helpful
- 1: mildly helpful
- 2: somewhat helpful
- 3: very helpful

GHM13a. In the past 12 months, how often did you **play with friends and/or family present** to control your gambling? (CCSA question)

- 0: never (go to GHM14a)
- 1: rarely (go to GHM14a)
- 2: sometimes
- 3: usually
- 4: always

GHM13b. How helpful is playing with friends and/or family present in controlling your gambling? (CCSA question)

- 0: not at all helpful
- 1: mildly helpful
- 2: somewhat helpful
- 3: very helpful

Do not ask GHM14 questions unless person scored 1-6 on G3a (i.e., has played EGMs in the past year).

| | | |
|---|-------|-----------|
| GHM14a. Are you aware of the following things which are often found in Canadian casinos? | Aware | Not Aware |
| 1: 'Responsible gambling information terminals' and/or 'gambling information centres' staffed by advisors (e.g., 'GameSense') | | |

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| | | |
|--|--|--|
| 2: limits on casino hours of operation (i.e., closed in early morning hours) | | |
| 3: prohibition of casino employees from gambling at the casino | | |
| 4: smoking bans | | |
| 5: prohibition of gambling while intoxicated | | |
| 6: ability to receive statements of gambling spending and frequency for reward/loyalty card members | | |
| 7: limits on cash payouts for winnings (i.e., receiving a cash voucher or cheque instead) | | |
| 8: a limit on the maximum bet on electronic gambling machines (i.e., slots, VLTs, electronic blackjack, video poker, etc.) | | |
| 9: a limit on the maximum number of betting lines on slots or VLTs | | |
| 10: ability to put preset limits on time, money or frequency of slot or VLT play | | |
| 11: clocks on electronic gambling machines | | |
| 12: responsible gambling messaging on electronic gambling machines | | |
| 13: casino self-exclusion (ability to ban yourself from the casino) | | |
| 14: Other _____ (specify) | | |

Provide a list of everything checked off in GHM14a and randomize order:

| GHM14b. What impact have these things had on your spending on electronic gambling machines? (i.e., slots, VLTs, electronic blackjack, video poker, etc.) | Decreased spending | Increased spending | No impact |
|---|--------------------|--------------------|-----------|
| 1: 'Responsible gambling information terminals' and/or 'gambling information centres' staffed by advisors (e.g., 'GameSense') | | | |
| 2: limits on casino hours of operation (i.e., closed in early morning hours) | | | |
| 3: prohibition of casino employees from gambling at the casino | | | |
| 4: smoking bans | | | |
| 5: prohibition of gambling while intoxicated | | | |
| 6: ability to receive statements of gambling spending and frequency for reward/loyalty card members | | | |
| 7: limits on cash payouts for winnings (i.e., receiving a cash voucher or cheque instead) | | | |
| 8: a limit on the maximum bet on electronic gambling machines (i.e., slots, VLTs, electronic blackjack, video poker, etc.) | | | |
| 9: a limit on the maximum number of betting lines on slots or VLTs | | | |
| 10: ability to put preset limits on time, money or frequency of slot or VLT play | | | |
| 11: clocks on electronic gambling machines | | | |
| 12: responsible gambling messaging on electronic gambling machines | | | |
| 13: casino self-exclusion (ability to ban yourself from the casino) | | | |
| 14: Other _____ (specify) | | | |

Provide a list of everything checked off in GHM14a and randomize order:

| GHM14c. What impact have these things had on your enjoyment of electronic gambling machines? (i.e., slots, VLTs, electronic blackjack, video poker, etc.) | Decreased enjoyment | Increased enjoyment | No impact |
|--|---------------------|---------------------|-----------|
| 1: 'Responsible gambling information terminals' and/or 'gambling information centres' staffed by advisors (e.g., 'GameSense') | | | |
| 2: limits on casino hours of operation (i.e., closed in early morning hours) | | | |
| 3: prohibition of casino employees from gambling at the casino | | | |
| 4: smoking bans | | | |
| 5: prohibition of gambling while intoxicated | | | |
| 6: ability to receive statements of gambling spending and frequency for reward/loyalty card members | | | |
| 7: limits on cash payouts for winnings (i.e., receiving a cash voucher or cheque instead) | | | |
| 8: a limit on the maximum bet on electronic gambling machines (i.e., slots, VLTs, electronic blackjack, video poker, etc.) | | | |
| 9: a limit on the maximum number of betting lines on slots or VLTs | | | |
| 10: ability to put preset limits on time, money or frequency of slot or VLT play | | | |
| 11: clocks on electronic gambling machines | | | |
| 12: responsible gambling messaging on electronic gambling machines | | | |
| 13: casino self-exclusion (ability to ban yourself from the casino) | | | |
| 14: Other _____ (specify) | | | |

Do not ask GHM15 questions unless person has participated in online gambling in the past 12 months

GHM15a. For online gambling, have you used any of the responsible gambling tools available on the website that allow you to set time, frequency, or spending limits or temporarily suspend your account?

0: No (go to next section)

1: Yes

GHM15b. What impact have these things had on your online spending?

0: No impact

1: Decreased spending

2: Increased spending

FAMILY HISTORY OF PROBLEM GAMBLING (GFH)

GFH1a. Have you or anyone in your immediate family ever had a gambling problem? (i.e., had difficulty controlling their gambling to the extent that it caused significant problems)?

0: No (go to next section)

1: Yes

2: Unsure

GFH1b. Who was that? (indicate all that apply)

1: Myself

1a. Was that in the past 12 months or prior to that? (check all that apply)

1: Past 12 months

2: Prior to that

3: Both

2: father

2a. Was this your

1: biological father

2: stepfather, or

3: adopted father

3: mother

3a. Was this your

1: biological mother

2: stepmother, or

3: adopted mother

4: brother(s)

4a. Was this your

1: biological brother

2: stepbrother, or

3: twin brother

4b. Was this your

1: Identical twin brother or

2: non-identical twin brother

5: sister(s)

5a. Was this your

1: biological sister

2: stepsister, or

3: twin sister

5b. Was this your

1: Identical twin sister or

2: non-identical twin sister

6: child or children

6a. Was this your

1: biological child

2: stepchild, or

3: adopted child

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7: spouse

8: other (grandparent, cousin, nephew, niece, grandchild, etc.)

GAMBLING PROBLEMS/HARM (GP)

GO TO GP1 if there has been any past year gambling. Note: this threshold is different from the CCHS Statistics Canada Survey where it is gambling once a month or more on any type. The present survey will investigate whether the Statistics Canada criteria are too stringent by adding questions that inquire about discrepancies between high levels of gambling involvement and no harm and reports of significant harm in the absence of significant gambling involvement.

Please answer all of the following questions, even if you think they do not apply to you.

| In the past 12 months, how often... | Never (0) | Sometimes (1) | Most of the time (2) | Almost always (3) |
|---|-----------|---------------|----------------------|-------------------|
| GP1. PGSI1. have you bet more than you could really afford to lose? | | | | |
| GP2. PGSI2/PPGM14. have you needed to gamble with larger amounts of money to get the same feeling of excitement? | | | | |
| GP3. PGSI3/PPGM9. when you gambled, did you go back another day to try to win back the money you lost? | | | | |
| GP4. PGSI4/PPGM1a. have you borrowed money or sold anything to get money to gamble? | | | | |
| GP5. PGSI8/PPGM1b. has your gambling caused any financial problems for you or your household? | | | | |
| GP6. PGSI5. have you felt that you might have a problem with gambling? | | | | |
| GP7. PGSI6/PPGM4. has your gambling caused you any health problems, including stress or anxiety? | | | | |
| GP8. PGSI7/PPGM7. have people criticized your betting or told you that you had a gambling problem, regardless of whether or not you thought it was true? | | | | |
| GP9. PGSI9. have you felt guilty about the way you gamble or what happens when you gamble? | | | | |

| In the past 12 months..... | No (0) | Yes (1) |
|--|--------------|---------|
| GP10. PPGM2. Has your involvement in gambling caused significant mental stress in the form of guilt, anxiety, or depression for you or someone close to you in the past 12 months? | | |
| GP11. PPGM3a. Has your involvement in gambling caused significant problems in your relationship with your spouse/partner or important friends or family in the past 12 months? | | |
| GP12. PPGM3b. In the past 12 months, has your involvement in gambling caused you to repeatedly neglect your children or family? | | |
| GP13. PPGM5. Has your involvement in gambling caused significant work or school problems for you or someone close to you in the past 12 months or caused you to miss a significant amount of time off work or school? | | |
| GP14. PPGM6. In the past 12 months, has your involvement in gambling caused you or someone close to you to write bad cheques, take money that didn't belong to you or commit other illegal acts to support your gambling? | | |
| GP15. PPGM8. In the past 12 months, have you often gambled longer, with more money or more frequently than you intended to? | | |
| GP16. PPGM10a. In the past 12 months, have you made attempts to either cut down, control or stop gambling? | (go to GP18) | |
| GP17. PPGM10b. Were you successful in these attempts to cut down, control or stop gambling? | | |
| GP18. PPGM11. In the past 12 months, is there anyone else who would say that you had difficulty controlling your gambling, regardless of whether you agreed with them or not? | | |
| GP19. PPGM12. In the past 12 months, would you say you have been preoccupied with gambling? | | |
| GP20. PPGM13. In the past 12 months, when you did try cutting down or stopping did you find you were very restless or irritable or that you had strong cravings for it? | | |

PGSITOTAL. Sum of PGSI1 to PGSI9.

PGSI5PLUS. Scoring 5 or higher on PGSITOTAL.

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PGSI8PLUS. Scoring 8 or higher on PGSITOTAL

PPGMHARM. Sum of (PPGM1a & PPGM1b; maximum score of 1 for both) + PPGM2 + (PPGM3a + PPGM3b; maximum score of 1 for both) + PPGM4 + PPGM5 + PPGM6 + PPGM7

PPGMCONTROL. Sum of PPGM8, PPGM9, PPGM10b, PPGM11

PPGMOTHER. Sum of PPGM12, PPGM13, PPGM14

PPGMTOTAL

PPGMCATEGORY (Non-Gambler, Recreational Gambler, At-Risk Gambler, Problem Gambler, Pathological Gambler)

Ask GP22a if PPGMHARM is 1 or higher and GMAXFREQ is <3 and GTIME is < 2 and GNETLOSS is < \$75

GP22a. You report significant past year problems from gambling, and yet your past year involvement in gambling and losses are very low. Do you think you may have made a mistake in some of your answers? _____

Ask GP22b if PPGMHARM is 0 and GMAXFREQ = 6 or GTIME is > 40 or GNETLOSS is > \$1000

GP22b. You report significant past year involvement in gambling as well as gambling losses, and yet you report no significant harm from your gambling. Do you think you may have made a mistake in some of your answers? _____

IF PGSITOTAL < 5, GO TO DEMOGRAPHICS

GP23. Are there particular types of gambling that have contributed to your problems more than others?

0: No (go to GP25)

1: Yes

GP24a. Which types of gambling have contributed to your problems? (check all that apply)

1: Lottery or raffle tickets

2: Instant lottery tickets or online instant games

3: Electronic gambling machines (i.e., slot machines, video lottery terminals, electronic roulette, electronic baccarat, electronic blackjack, electronic bingo, electronic keno machines, electronic racing machines)

4: Poker

5: Other casino table games (i.e., poker, blackjack, baccarat, roulette, craps, etc.) (live or online)

6: Sports betting

7: Speculative high-risk stocks, options, futures, or day trading

8: Other (keno, bingo, cock fights, dog racing, dog fights, non-casino card or dice games (e.g., rummy, backgammon), video games, board games, television events (e.g., reality show winners), political events, or anything else)

GP24b. Are your problems most with land-based gambling or online gambling?

1: Land-based

2: Online

3: Both

GP25. What do you believe are the causes of your gambling problems? _____

GP26x. Are you aware of the problem gambling treatment services in your area?

0: No

1: Yes

If person scores 0 on GP16 then go to Demographics Section.

GP26. When you tried to cut back or stop your gambling in the past year, did you do this primarily on your own or with help from other people?

1: Primarily on my own

2: Primarily with help from others (go to GP29)

GP27. What are the reason(s) you chose to do this on your own rather than seek help? (check all that apply)

1: I did not believe I would need help

2: I was unaware of where to get help

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- For your information, the problem gambling helpline for your province is [BC 1-888-795-6111; AB 1-866-332-2322; SK 1-800-306-6789; MB 1-800-463-1554; ON 1-888-230-3505; QU: 1-800-461-0140; NB 1-800-461-1234; NS 1-888-347-8888; PEI 1-855-255-4255; NF 1-888-899-4357; YK 1-866-456-3838; NU 1-800-265-3333; NWT: 1-800-661-0830]

3: I felt too ashamed to seek help

4: I did not believe that treatment would work for me

GP28. How successful were you in reducing or stopping your gambling?

0: Not at all successful

1: Somewhat successful

2: Quite successful

3: Very successful

GP29. What sort of help did you seek? (check all that apply)

1: Support and/or counselling from friends and/or family

2: In-person counselling from counselor, psychologist, or psychiatrist

3: In-person counselling from family doctor

4: In-person counselling from pastor, minister, priest, or other religious figure

5: Group therapy or support (e.g., Gamblers Anonymous)

6: Online or telephone counselling

7: Medication from family doctor or psychiatrist

8: Self-help materials from books or online

9: Casino or online self-exclusion

10: Residential or in-patient treatment

11: Other _____

GP30. How helpful was this assistance in reducing or stopping your gambling?

0: Not at all helpful

1: Somewhat helpful

2: Quite helpful

3: Very helpful

DEMOGRAPHICS

D1. Please indicate your sex

1: Male

2: Female

3: Other

D2. In what year were you born? _____

9999: I prefer not to say

D3. What is your current marital status?

1: Single (never married and not living in a common-law relationship)

2: Married or living in a common-law relationship

3: Separated, but still legally married

4: Divorced

5: Widowed

9: I prefer not to answer

D4. Do you consider yourself to be.. (CCHS SDC_R035)

1: Heterosexual (sexual relations with people of the opposite sex)

2: Homosexual, that is lesbian or gay (sexual relations with people of your own sex)

3: Bisexual (sexual relations with people of both sexes)

9: I prefer not to answer

D5a. Do you have any children (biological, stepchildren, or adopted)?

1: Yes

2: No (go to D6)

9: I prefer not to answer

D5b. How many?

1: 1

2: 2

3: 3

4: 4

5: 5

6: More than 5

9: I prefer not to answer

D5c. How many currently live with you?

0: 0

1: 1

2: 2

3: 3

4: 4

5: 5

6: More than 5

9: I prefer not to answer

D6. What is the highest level of education you have achieved?¹⁹

1: Primary level

2: Some Secondary schooling

3: Completion of Secondary school

4: Some Vocational training

5: Completion of Vocational training

6: Some Post-Secondary schooling at college, university or other post-secondary institute

7: A post-secondary certificate, diploma, or degree below a bachelor's degree

8: Bachelor's degree or equivalent

9: Professional degree (e.g., law, medicine) requiring additional education beyond standard bachelor degree

10: Master's or doctorate degree

99: I prefer not to answer

D7a. Which category best describes your current employment situation?

1: Employed full-time

2: Employed part-time (includes people who may also be retired, or a homemaker, or fulltime student)

3: Sick leave, maternity leave, on strike, on disability

4: Homemaker and not working for money (go to D8)

5: Unemployed (go to D8)

6: Full-time student and not working for money (go to D8)

7: Retired and not working for money (go to D8)

99: I prefer not to answer

D7b. What is your current occupation? _____

D8. What is your best estimate of your total household income received by all household members, from all sources, before taxes and deductions in the last calendar year. This includes wages, investments, pensions, support payments, rental income, employment insurance, etc. (modelled after CCHS ADM_Q020B)

1: Less than \$20,000

2: \$20,000 – \$39,000

3: \$40,000 – \$59,000

4: \$60,000 - \$79,000

5: \$80,000 - \$99,000

6: \$100,000 - \$119,000

7: \$120,000 - \$139,000

¹⁹ Based on the [International Standard Classification of Education](#)

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- 8: >\$140,000
- 98: uncertain
- 99: prefer not to answer

D9. What do you estimate your current household debt to be? This would include mortgages, credit cards, loans, car payments, etc.?

- 1: No debt
- 2: Less than \$39,000
- 3: \$40,000 – \$79,000
- 4: \$80,000 - \$119,000
- 5: \$120,000 - \$159,000
- 6: \$160,000 - \$199,000
- 7: \$200,000 - \$239,000
- 8: \$240,000 - \$299,000
- 9: >\$300,000
- 98: uncertain
- 99: I prefer not to answer

D10a. Were you born in Canada? (modelled after CCHS SDC_Q005)

- 0: No
- 1: Yes (go to D11)
- 99: I prefer not to answer

D10b. What country were you born in? _____

- 999: I prefer not to answer

D11. What language do you speak most often at home? (modelled after CCHS SDC_Q026)

- 1: English
- 2: French
- 3: Other
- 9: Prefer not to answer

D12. What are the main ethnic or cultural origins of your ancestors? (check as many as apply) (modelled after CCHS SDC_Q010) and research on ethnocultural groupings and their geospatial locations)

- 1: Western and Northern European (*Austria, Belgium, England, France, Iceland, Ireland, Germany, Holland, Scandinavian countries, Scotland, Slovenia, Switzerland*)
- 2: Eastern European (*Albania, Belarus, Bosnia & Herzegovina, Bulgaria, Croatia, Czech Republic, Estonia, Greece, Hungary, Latvia, Lithuania, Macedonia, Moldova, Poland, Romania, Western Russia, Serbia, Slovakia, Ukraine*)
- 3: Southern European (*Greece, Italy, Portugal, Spain*)
- 4: Middle Eastern and Arab (*Algeria, Bahrain, Egypt, Iraq, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Qatar, Saudi Arabia, Syria, Tunisia, UAE, Yemen*)
- 5: Central and Northern Asian (*Afghanistan, Eastern Russia, Iran, Kazakhstan, Mongolia, Tajikistan, Turkmenistan, Turkey, Uzbekistan*)
- 6: Chinese
- 7: South Asian (*i.e., India, Pakistan, Sri Lanka, Bangladesh*)
- 8: South-East Asian (*i.e., Vietnam, Cambodia, Malaysia, Laos, Thailand, Singapore, Philippines, Indonesia*)
- 9: East Asian (*i.e., Korea, Japan*)
- 10: Latin American (*i.e., Mexico, all Central American countries, all South American countries*)
- 11: African
- 12: Indigenous North American (First Nations, Inuk/Inuit, Métis)

12a. Check which one applies:

- 1: First Nations
- 2: Inuk/Inuit
- 3: Métis
- 9: I prefer not to answer

13: Other _____ [specify]

- 14: Unsure
- 99: Prefer not to answer

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POSTAL. What is your postal code ____ ____ ____ ____ ____? (limit to Letter, Number, Letter, Number, Letter, Number)

99: Don't know/Prefer not to answer

RECONTACT. Thank you for your time! In one year from now we will contact you again to see whether you would be willing to re-take a shorter version of this same survey and receive \$10 in addition to your regular compensation from LegerWeb.

In addition to the survey one year from now we may have other paid gambling-related research available. Would you be interested in being contacted for this research? (CCSA question; for people who indicated 'yes', CCSA will provide a list of ID numbers of individuals it potentially wishes to interview to AGRI who will forward this list to LegerWeb → LegerWeb will contact these people to ask permission to share their contact info with CCSA → LegerWeb will then send a file to AGRI who will forward this contact info to CCSA).

0: No

1: Yes

Thank you, you have completed the survey.

End

Please click on the following arrow to receive your reward(s). Legerweb.com would like to thank you for answering this survey.

Appendix C: Follow-Up Online Panel Survey

Note: yellow highlighting indicates a change from the Baseline Online Panel Survey

LEGER QUESTIONS

Survey language

Préférez-vous répondre à ce questionnaire en anglais ou en français ? Would you prefer to complete the survey in English or French?

9: English

12: Français

Introvision

Thank you for taking the time to participate. We are currently conducting a very important academic study among many Canadians. Before you begin the study, you should be aware that there will be questions of a sensitive nature that arise. Do you wish to continue?

1: Yes

2: No, I would prefer not to participate

INT01 - ASK ALL

"I agree to answer the following survey questions truthfully and thoughtfully."

1: Yes

Not Eligible: No

PROV - ASK ALL

In which province or territory do you live?

BC: British Columbia

AB: Alberta

SK: Saskatchewan

MB: Manitoba

ON: Ontario

QC: Quebec

NB: New Brunswick

NS: Nova Scotia

PE: Prince Edward Island

NF: Newfoundland

NT: Northwest Territories

YK: Yukon

NU: Nunavut

QAB - ASK IF PROV=AB

In which region of Alberta do you live?

61: Calgary

62: Edmonton

63: Other regions of Alberta

QBC - ASK IF PROV=BC

In which region of British Columbia do you live?

70: Metro Vancouver

71: Other region in British Columbia

QON - ASK IF PROV=ON

In which region of Ontario do you live?

50: Hamilton - Niagara Peninsula

51: Kingston - Pembroke

52: Kitchener - Waterloo - Barrie

53: Greater London area

54: Muskoka - Kawarthas

- 55: Northeast
- 56: Northwest
- 57: Greater Ottawa area
- 58: Stratford - Bruce Peninsula
- 59: Greater Toronto area
- 60: Windsor - Sarnia

Q0QC - ASK ALL

In which region of Quebec do you live?

- 1: Bas-Saint-Laurent
- 2: Saguenay-Lac-Saint-Jean
- 3: Capitale-Nationale
- 4: Mauricie
- 5: Estrie
- 6: Montréal
- 7: Outaouais
- 8: Abitibi-Témiscamingue
- 9: Côte-Nord
- 10: Nord-du-Québec
- 11: Gaspésie/Îles-de-la-Madeleine
- 12: Chaudière-Appalaches
- 13: Laval
- 14: Lanaudière
- 15: Laurentides
- 16: Montérégie
- 17: Centre-du-Québec

Q0QCA - ASK IF Q0QC=14(Lanaudière)

Your city of residence may not appear on the list at the next question. For statistical processing reasons, only certain cities outside of the Island of Montreal are identified. If this is the case, please select the response "other city". In which city do you live?

- 1: L'Assomption
- 2: Charlemagne
- 3: L'Épiphanie
- 4: Lavaltrie
- 5: Mascouche
- 6: Repentigny
- 7: Saint-Sulpice
- 8: Terrebonne
- 96: Other Lanaudière city

Q0QCB - ASK IF Q0QC=15(Laurentides)

Your city of residence may not appear on the list at the next question. For statistical processing reasons, only certain cities outside of the Island of Montreal are identified. If this is the case, please select the response "other city". In which city do you live?

- 1: Blainville
- 2: Boisbriand
- 3: Bois-des-Filion
- 4: Deux-Montagnes
- 5: Gore
- 6: Kanesatake
- 7: Lorraine
- 8: Mirabel
- 9: Oka
- 10: Pointe-Calumet
- 11: Rosemère
- 12: Saint-Colomban
- 13: Sainte-Anne-des-Plaines
- 14: Saint-Lin-Laurentides
- 14: Sainte-Marthe-sur-le-Lac

- 15: Sainte-Thérèse
- 16: Saint-Eustache
- 17: Saint-Jérôme
- 18: Saint-Joseph-du-Lac
- 19: Saint-Placide
- 96: Other city of Laurentides

Q0QCC - ASK IF Q0QC=16(Montérégie)

Your city of residence may not appear on the list at the next question.

For statistical processing reasons, only certain cities outside of the Island of Montreal are identified. If this is the case, please select the response "other city".

In which city do you live?

- 1: Beauharnois
- 2: Beloeil
- 3: Boucherville
- 4: Brossard
- 5: Candiac
- 6: Carignan
- 7: Chambly
- 8: Châteauguay
- 9: Coteau-du-Lac
- 10: Delson
- 11: Hudson
- 12: Kahnawake
- 13: La Prairie
- 14: Léry
- 15: Les Cèdres
- 16: Les Coteaux
- 17: L'Île-Cadieux
- 18: L'Île-Perrot
- 19: Longueuil
- 20: McMasterville
- 21: Mercier
- 22: Mont-Saint-Hilaire
- 23: Notre-Dame-de-l'Île-Perrot
- 24: Otterburn Park
- 25: Pincourt
- 26: Pointe-des-Cascades
- 27: Richelieu
- 28: Saint-Amable
- 29: Saint-Basile-le-Grand
- 30: Saint-Bruno-de-Montarville
- 31: Saint-Constant
- 32: Sainte-Catherine
- 47: Saint-Jean-sur-Richelieu
- 33: Sainte-Julie
- 34: Saint-Isidore
- 35: Saint-Lambert
- 36: Saint-Lazare
- 37: Saint-Mathias-sur-Richelieu
- 37: Saint-Mathieu
- 38: Saint-Mathieu-de-Beloeil
- 39: Saint-Philippe
- 40: Saint-Zotique
- 41: Terrasse-Vaudreuil
- 42: Varennes
- 43: Vaudreuil-Dorion
- 44: Vaudreuil-sur-le-Lac

45: Verchères

96: Other city of Montérégie

Q0QCD - ASK IF Q0QC=3(Capitale-Nationale)

Your city of residence may not appear on the list at the next question. For statistical processing reasons, only certain cities on the outskirts of Québec City are identified. If this is the case, please select the response "other city". In which city do you live?

1: Ville de Québec

2: Boischatel

3: Château-Richer

4: Fossambault-sur-le-Lac

5: L'Ancienne-Lorette

6: L'Ange-Gardien

7: Lac-Beauport

8: Lac-Delage

9: Lac-Saint-Joseph

10: Neuville

11: Notre-Dame-des-Anges

12: Saint-Augustin-de-Desmaures

13: Saint-François-de-l'Île-d'Orléans

14: Saint-Gabriel-de-Valcartier

15: Saint-Jean-de-l'Île-d'Orléans

16: Saint-Laurent-de-l'Île-d'Orléans

17: Saint-Pierre-de-l'Île-d'Orléans

18: Sainte-Brigitte-de-Laval

19: Sainte-Catherine-de-la-Jacques-Cartier

20: Sainte-Famille

21: Sainte-Pétronille

22: Shannon

23: Stoneham-et-Tewkesbury

24: Wendake

96: Other city of Capitale-Nationale

Q0QCE - ASK IF Q0QC=12(Chaudière-Appalaches)

Your city of residence may not appear on the list at the next question. For statistical processing reasons, only certain cities on the outskirts of Québec City are identified. If this is the case, please select the response "other city". In which city do you live?

1: Ville de Lévis

2: Beaumont

3: Saint-Antoine-de-Tilly

4: Saint-Henri

5: Saint-Lambert-de-Lauzon

96: Other city of Chaudière-Appalaches

Q0QCF - ASK IF Q0QCD=1

Please indicate in which borough you live:

1: Borough of La Cité-Limoilou

2: Borough of Sainte-Foy-Sillery-Cap-Rouge

3: Borough of Les Rivières

4: Borough of Beauport

5: Borough of Charlesbourg

6: Borough of La Haute-St-Charles (Lac-Saint-Charles, Saint-Émile, Loretteville, Les Châtels, Val-Bélair)

Q0QCG - ASK IF Q0QCE=1

Please indicate in which borough you live:

1: Desjardins

2: Chutes-de-la-Chaudière-Est

3: Chutes-de-la-Chaudière-Ouest

SEXE - ASK ALL

Please indicate your sex:

Note: As indicated by Statistics Canada, transgender, transsexual, and intersex Canadians should indicate the sex (male or female) with which they most associate themselves.

- 1: Male
- 2: Female
- 3: Other

AGE - ASK ALL

How old are you?

- 0: Under 18
- 1: Between 18 and 24
- 2: Between 25 and 34
- 3: Between 35 and 44
- 4: Between 45 and 54
- 5: Between 55 and 64
- 6: Between 65 and 74
- 7: 75 or older
- 9: I prefer not to answer

INTRODUCTION

I understand that other researchers may have access to this data, and may use my words in publications, reports, web pages, and other research outputs, only if they agree to preserve the confidentiality of the information as requested in this form.

Please take as much time as needed to complete this questionnaire and try to answer the questions as accurately as you can. Many questions ask about the past 12 months, which would be from [specify month and year] to the present time.

COMORBIDITIES (C)

C1a. During the past 12 months, how often did you use tobacco or e-cigarettes? (includes cigarettes, cigars, pipe tobacco, shisha tobacco, chewing tobacco, dipping tobacco, snuff)

- 0: Not at all
- 1: Less than once a month
- 2: Once a month
- 3: 2 to 3 times a month
- 4: Once a week
- 5: 2 to 3 times a week
- 6: 4 to 6 times a week
- 7: Every day

C2a. During the past 12 months, how often did you drink alcoholic beverages? (CCHS ALC_Q015)

- 0: Not at all (go to C3a)
- 1: Less than once a month
- 2: Once a month
- 3: 2 to 3 times a month
- 4: Once a week
- 5: 2 to 3 times a week
- 6: 4 to 6 times a week
- 7: Every day

C3a. Eliminated

C3b. Eliminated

C3c. Eliminated

C4a. During the past 12 months, how often did you use marijuana, hashish, or any cannabis product? (modelled after CCHS DRG_Q005, DRG_Q010, DRG_Q015)

- 0: Not at all (go to C5a)
- 1: Less than once a month
- 2: Once a month
- 3: 2 to 3 times a month
- 4: Once a week
- 5: 2 to 3 times a week
- 6: 4 to 6 times a week
- 7: Every day

C4b. What methods did you use in the past 12 months to consume cannabis? Check all that apply.

- 1: Smoking joints
- 2: Smoking it in handheld pipes
- 3: Smoking it using a water pipe
- 4: Vaping
- 5: Dab smoking
- 6: Edibles (e.g. baked goods)
- 7: Drinking cannabis tea or some liquid containing cannabis
- 8: Tincture ('green dragon')
- 9: Topical application (e.g. cream, lotions)

Now we are thinking about the last 3 months

C4c. How much did you spend on cannabis in the past three months? (National Cannabis Survey CAN_Q35)

- 1: Nothing, got it free or traded something for it
- 2: Between \$1 and \$10
- 3: Between \$11 and \$25
- 4: Between \$26 and \$50
- 5: Between \$51 and \$100
- 6: Between \$101 and \$150
- 7: Between \$151 and \$250
- 8: Over \$250

C4d. Eliminated

C5a. During the past 12 months have you used cocaine, amphetamines, hallucinogens (such as LSD, mushrooms, or PCP), heroin, opium, fentanyl, or any other drugs not intended for medical use? "Non-medical" drug use means using it to get high or experience pleasurable effects, see what the effects are like, or use with friends.

- 0: No (go to C6a)
- 1: Yes

C5b. Which ones?

- 1: Benzodiazepines (downers)
- 2: Amphetamines (methamphetamine, ice, uppers, crystal, speed)
- 3: Ecstasy/MDMA
- 4: Cocaine (coke, crack)
- 5: Opiates and Opioids (opium, morphine, codeine, Oxycontin, fentanyl, heroin, Demerol, Talwin, Percocet)
- 6: Hallucinogens (LSD, mushrooms, PCP, mescaline/peyote, ayahuasca)
- 7: Other (khat, bath salts, salvia)

C6a administered only if person has score of 3 or higher on C2 or C3a, or a score of 1 on C5a. Otherwise go to C7.

C6a. In the past 12 months has your use of alcohol, cannabis or other drugs been associated with any of the following (check all that apply) (DSM-5 criteria for Substance Use Disorder):

- 1: often taken in larger amounts or over a longer period than intended
- 2: a persistent desire or unsuccessful efforts to cut down or control use
- 3: a great deal of time spent in activities necessary to obtain the substance

- 4: strong cravings for the substance
- 5: recurrent use resulting in a failure to fulfill major role obligations at work, school, or home
- 6: continued use despite the substance causing or worsening social or interpersonal problems
- 7: continued use despite the substance causing or worsening a physical or psychological problem
- 8: important social, occupational, or recreational activities given up or reduced because of use
- 9: recurrent use in situations in which it was physically dangerous
- 10: tolerance to the substance (needing more of it to have the same effect)
- 11: withdrawal symptoms when not using the substance
- 97: no, none of the above

C6ATOTAL

SUD (0-1 = no SUDisorder; 2-3 = mild SUDisorder; 4-5 = moderate SUDisorder; 6+ = severe SUDisorder (reabeled from C6ACATEGOREIS))

C6b administered only if person endorses 1 or more items from C6a.

C6b. During the past 12 months, have you sought professional help for your use of alcohol or drugs?

- 0: No
- 1: Yes

C7a. In the past 12 months have you had any problems with overinvolvement in behavioural addictions such as overeating, sex or pornography, shopping, exercise, video games, the internet, or social media? What we mean is difficulties controlling your involvement in the behavior which has led to significant negative consequences for you or other people.

- 0: No (go to C7c)
- 1: Yes

C7b. Which specific activities have you had problems with? Check all that apply.

- 1: Overeating
- 2: Sex or pornography
- 3: Exercise
- 4: Shopping
- 5: Social media
- 6: Video games
- 7: Internet
- 8: Other

C7c. Eliminated

C8. Thinking about the amount of stress in our life, would you say that In the past 12 months most of your days are..... (modelled after CCHS GEN_Q020)

- 1: Not at all stressful
- 2: Not very stressful
- 3: A bit stressful
- 4: Quite a bit stressful
- 5: Extremely stressful

C9. Eliminated

C10. Check off any events that have happened to you in the past 12 months. (Adaptation of the Life Events Questionnaire). Check all that apply.

work/school

- 1: started school
- 2: experienced significant difficulties at school
- 3: dropped out of school
- 4: started a new job
- 5: had a significant change in work hours, work demands, or work type
- 6: received an important promotion
- 7: had serious conflict(s) at work

FOLLOW-UP ONLINE PANEL SURVEY

- 8: suffered a significant business loss or failure
- 9: had difficulty finding employment
- 10: was laid off or fired
- 11: retired
- family and friends
- 12: moved to new location/house
- 13: became pregnant (or spouse became pregnant)
- 14: experienced a miscarriage or abortion
- 15: had a new addition to the family through birth or adoption
- 16: son or daughter left home
- 17: started a relationship with a new boyfriend/girlfriend
- 18: got married
- 19: had serious conflicts or difficulties with spouse or partner
- 20: broke up with boyfriend/girlfriend
- 21: separated or divorced
- 22: had serious conflicts with family member(s)
- 23: had serious conflicts with close friend(s)
- 24: had serious conflicts with neighbor(s)
- 25: had serious conflicts with ex-spouse
- 26: death of spouse or partner
- 27: death of other close family member
- 28: death of close friend
- 29: serious illness or injury in family member or close friend
- 30: death of important family pet

property and finances

- 31: suffered a significant financial loss
- 32: declared bankruptcy
- 33: went on social support or welfare
- 34: suffered a significant loss or damage of property
- 35: borrowed a significant amount of money (e.g., mortgage)
- 36: had a significant financial improvement

legal matters/crime

- 37: arrested or charged with a crime
- 38: placed in jail
- 39: became involved in lawsuit
- 40: received serious threats or harassment
- 41: was assaulted
- 42: was robbed
- 43: was a victim of some other crime
- 44: caused a serious accident that injured or killed someone

health

- 45: witnessed a serious accident that injured or killed someone
- 46: suffered a serious injury as a result of an accident
- 47: became seriously overweight or underweight
- 48: developed a serious physical illness
- 49: developed a serious mental illness
- 50: developed a drug or alcohol addiction
- 97: none of the above

C10TOTAL

NegTOTAL (total of the subset of just negative stressors/events: 2, 3, 7, 8, 9, 10, 14, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50)

ONLY ASK C11a FOR PEOPLE WHO ENDORSED 26, 27, 28, 29, 40, 41, 42, 43, 44, 45, or 46

C11a. Did any of the following symptoms occur for at least a month as a result of [specify the specific event(s) checked off in C12] (check all that apply) (DSM-5 criteria for PTSD):

- 1: recurrent intrusive distressing memories of the event

- 2: recurrent distressing dreams about the event
- 3: flashbacks, in which you felt you were reliving the event
- 4: intense psychological distress to reminders of the event
- 5: intense physical reactions to reminders of the event
- 97: no, none of these symptoms occurred

C11ATOTAL

Go to C12 if no symptoms checked off in C11a.

C11b. During the period you were experiencing the symptoms you just checked off, did you also (check all that apply)

- 1: make efforts to avoid distressing memories, thoughts, or feelings about the event
- 2: make efforts to avoid external reminders (people, places, etc.) of the event
- 0: no, I did not make any efforts to avoid distressing memories or external reminders

C11BTOTAL

Go to C12 if no symptoms checked off in C11b

C11c. During this period did you have any of the following symptoms (check all that apply)

- 1: inability to remember an important part of the event
- 2: persistent and exaggerated negative beliefs or expectations about oneself, others, or the world (e.g., "I am bad", "No one can be trusted", "The world is dangerous")
- 3: persistent, distorted beliefs about the cause or consequences of the event that has led you to blame yourself or others
- 4: persistent negative emotions (fear, horror, anger, guilt, shame)
- 5: markedly decreased interest or participation in activities
- 6: feelings of detachment from others
- 7: persistent inability to experience positive emotions
- 97: none of the above

C11CTOTAL

Go to C12 if less than 2 symptoms checked off in C11c

C11d. During this period did you have any of the following symptoms (check all that apply)

- 1: irritable behavior and angry outbursts
- 2: reckless or self-destructive behavior
- 3: over-vigilance or over-alertness
- 4: exaggerated startle response
- 5: difficulty concentrating
- 6: difficulty sleeping
- 97: no, none of the above

C11DTOTAL

PTSD (1= YES if C10ATOTAL > 0 & C11BTOTAL > 0 & C11CTOTAL > 1 & C11DTOTAL > 1; 0 = NO for all other cases)

C12. In the past 12 months, how would you rate your overall level of happiness?

- 1: Very high
- 2: High
- 3: Moderate
- 4: Low
- 5: Very low

C13a. In the past 12 months, was there ever a period of 2 weeks or longer where you had a depressed mood most of the day nearly every day and/or a loss of interest or pleasure in most activities? (DSM-5 criteria for Major Depressive Disorder)

- 0: No (go to C14a)
- 1: Yes

C13b. Check off any of the following that occurred during this time period: (DSM-5 criteria for Major Depressive Disorder)

- 1: significant weight loss or weight gain or an increase or decrease in appetite

- 2: problems sleeping or excessive sleeping nearly every day
- 3: physical agitation or being slowed down nearly every day
- 4: fatigue or loss of energy nearly every day
- 5: feelings of worthlessness or excessive or inappropriate guilt
- 6: decreased ability to think or concentrate or indecisiveness nearly every day
- 7: recurrent thoughts of death or suicide
- 97: none of the above

C13bTOTAL

DEPRESSION (1=YES if C13bTOTAL >3; 0 = NO for all other cases)

C14a. Would you describe yourself as chronically anxious? (i.e., having difficulty controlling excessive anxiety and worry most days about a variety of things)? **(DSM-5 criteria for Generalized Anxiety)**

0: No **(go to C15a)**

1: Yes

C14b. Does this anxiety cause significant distress or impairment in your social functioning, employment, or other areas? **(DSM-5 criteria for Generalized Anxiety)**

0: No **(go to C15a)**

1: Yes

C14c. Do you also have any of the following symptoms? (check all that apply) **(DSM-5 criteria for Generalized Anxiety)**

- 1: restlessness or feeling keyed up or on edge
- 2: easily fatigued
- 3: difficulty concentrating or mind going blank
- 4: irritability
- 5: muscle tension
- 6: difficulty sleeping
- 97: no, none of the above

C14cTOTAL

GANXIETY (1=YES if C14cTOTAL > 2; 0=NO for all other cases)

C15a. In the past 12 months have you had recurrent unexpected panic attacks during which 4 or more of the following symptoms occur: pounding heart, sweating, trembling, shortness of breath, feelings of choking, chest pain, nausea, dizziness, chills or hot flashes, numbness, feelings of unreality, fear of losing control, fear of dying? **(DSM-5 criteria for Panic Disorder)**

0: No **(go to C16a)**

1: Yes

C15b. Have these attacks been followed by either a persistent worry about having additional attacks and/or avoidance of activities (e.g., exercise) or unfamiliar places? **(DSM-5 criteria for Panic Disorder)**

0: No

1: Yes

PANIC (1=YES if C15b = Yes; 0 = NO for all other cases)

C16a. In the past 12 months have you had *any other* significant mental health problem that has not been mentioned (e.g., bipolar disorder, schizophrenia, bulimia, obsessive-compulsive disorder, etc.)?

0: No **(go to C17)**

1: Yes

C16b. Which one?

- 1: Bipolar disorder
- 2: Schizophrenia
- 3: Bulimia
- 4: Obsessive-Compulsive Disorder

5: Other

C17. Eliminated

C18. Eliminated

MD (1=YES; 0=NO), any past year history of any major mental disorder (PTSD, DEPRESSION, GANXIETY, PANIC, Yes to C16a)

PERSONALITY (NEO)

Eliminated all 8 questions in this section

GAMBLING ATTITUDES (GA)

Eliminated all 9 questions in this section

GAMBLING PARTICIPATION (G)

(*Gambling Participation Instrument; Online Administration Format; Canadian Version; adapted to align with the 2018 Statistics Canada Gambling Module*)

The following questions are about various types of gambling activities. Please think about all forms of gambling done either in person or online, including lotteries, organised betting and casual wagers with friends. Many of these questions ask about the past 12 months, which would be from [specify month and year] to the present time.

Note: 'a' questions address frequency of gambling, 'b' questions address subtype of gambling, 'c' questions address location of play and/or means of access, 'd' questions address time spent gambling, and 'e' questions assess gambling expenditure.

G1a. In the past 12 months, how often have you purchased **lottery or raffle tickets**? This does not include instant lottery tickets, scratchcards, sports lottery tickets, or break-open tickets, but *does* include Lotto 6/49, Lotto Max, Daily Grand, provincial/regional lotteries, hospital lotteries, and 50-50 tickets.

0: Never (go to G2a)

1: Less than once a month

2: Once a month

3: Two to three times a month

4: Once a week

5: Several times a week

6: 4 or more times a week

G1b. What type of lottery or raffle did you participate in? (check all that apply)

1: A national lottery (e.g., Lotto 6/49, Lotto Max, Daily Grand) or provincial/regional lottery (e.g., names of 2 provincial/regional lotteries) (BC=BC/49, Poker Lotto; AB,SK,MB,YK,NWT,NU= Western 649, Western Max, Poker Lotto; ON=Ontario 49, Lottario; QU=Quebec 49, Grande Vie, Lotto Poker; NB, NS, PE, NL=Atlantic 49, Poker Lotto)

2: A charity, hospital, or community group lottery or raffle

3: An out-of-country lottery.

G1c. Where did you purchase these tickets? (check all that apply)

1: At a land-based store or outlet in [home province]

2: At a land-based store or outlet outside of [home province]

3: At an online website within [home province] [name of provincial website]. BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)

4: At an online website outside of [home province].

G1d. In the past 12 months, how many hours do you estimate you spent on lottery or raffle tickets in a typical month (this includes any time taken to purchase tickets, check results, and/or do research)? _____ (limit to numerals with a maximum value of 400)

FOLLOW-UP ONLINE PANEL SURVEY

G1e. In the past 12 months, how much money do you estimate you spent on lottery and raffle tickets in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number).

_\$_____ (limit to numerals)

G2a. In the past 12 months, how often would you say you have purchased **instant lottery tickets**, such as scratchcards, break-open tickets, or pull-tabs or played **online instant games** for money?

0: Never (go to G3a)

1: Less than once a month

2: Once a month

3: Two to three times a month

4: Once a week

5: Several times a week

6: 4 or more times a week

G2c. Where did you purchase these tickets or play these games? (check all that apply)

1: At a land-based store or outlet in [home province]

2: At a land-based store or outlet outside of [home province]

3: At an online website within [home province] [name of provincial website]. BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)

4: At an online website outside of [home province].

G2d. In the past 12 months, how many hours do you estimate you spent on instant lottery tickets or instant games in a typical month? _____ (limit to numerals with a maximum value of 400)

G2e. In the past 12 months, how much money do you estimate you spent on instant lottery tickets or instant games in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). _\$_____ (limit to numerals)

G3a. In the past 12 months, how often have you bet or spent money on **electronic gambling machines**, such as slot machines, VLTs, electronic blackjack, electronic roulette, or video poker either in person or online? This refers to stand-alone machines and also includes electronic bingo machines, electronic craps, electronic keno machines, and electronic racing machines.

0: Never (go to G4a)

1: Less than once a month

2: Once a month

3: Two to three times a month

4: Once a week

5: Several times a week

6: 4 or more times a week

G3b. What type of electronic gambling machine did you play (check all that apply)

1: Traditional machine with fruits/symbols/pictures and paylines



2: Electronic machine offering virtual casino table games such as poker, blackjack, baccarat, roulette, craps, big wheel, or virtual bingo, keno, etc.



3: Other type of machine (e.g., skill-based video gambling machine)

G3c. Where did you play these machines (check all that apply)

1: At a land-based casino, racetrack, or bingo hall in [home province]

2: At a land-based casino, racetrack, bingo hall or other gambling venue outside of [home province].

FOLLOW-UP ONLINE PANEL SURVEY

3: In a bar or lounge in [home province]

4: In a bar, hotel, restaurant, retail shop, airport, etc. outside of [home province].

5: At an online gambling website in [home province] [name of provincial website]. BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)

6: At an online gambling website outside of [home province].

7: At an underground/illegal casino or some other underground/illegal location in [home province]

8: On a ship in international waters

G3d. In the past 12 months, how many hours do you estimate you spent playing electronic gambling machines in a typical month? _____ (limit to numerals with a maximum value of 400)

G3e. In the past 12 months, how much money do you estimate you spent on electronic gambling machines in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). Do not include money spent on transportation, food, drinks, or parking. _\$ _____ (limit to numerals)

G4a. Excluding electronic machine versions, how often in the past 12 months have you bet or spent money on casino table games like poker, blackjack, baccarat or roulette? Please include any location, whether at a casino, a private residence, online, or anywhere else. This also includes craps, mah-jong, sic bo, and pai gow.

0: Never (go to G5a or G4f if person scored 1-6 on G3a)

1: Less than once a month

2: Once a month

3: Two to three times a month

4: Once a week

5: Several times a week

6: 4 or more times a week

G4b. What casino table games did you play (check all that apply)?

1: Poker

2: Blackjack

3: Baccarat

4: Roulette

5: Craps

6: Mahjong

7: Sic Bo

8: Pai Gow

9: Big Wheel (Wheel of Fortune; Big Six)

10: Other

G4c. Where did you play these table games (check all that apply)

1: At a land-based casino in [home province]

2: At a land-based gambling venue (casino, card room, Mahjong house, etc.) outside of [home province].

3: At a bar or lounge outside of [home province].

4: At an online gambling website in [home province] [name of provincial website]. BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)

5: At an online gambling website outside of [home province].

6: At a land-based underground/illegal casino, card room, or other venue in [home province]

7: At a private residence or workplace

8: On a ship in international waters

G4d. In the past 12 months, how many hours do you estimate you spent playing casino table games in a typical month? _____ (limit to numerals with a maximum value of 400)

G4e. In the past 12 months, how much money do you estimate you spent on casino table games in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). Do not include money you spent on transportation, food, drinks, or parking. _\$ _____ (limit to numerals)

G4f to G4i only asked for people who scored 1-6 on G3a or G4a

G4f. Are you a member of any gambling rewards or loyalty program?

- 0: No
- 1: Yes

G4g. In the past 12 months how often have you accessed additional money from automatic teller machines or other cash machines when you go gambling?

- 0: Never
- 1: Occasionally
- 2: Most times that I go

G4h. In the past 12 months how often have you borrowed money or played on credit when you gambled?

- 0: Never
- 1: Occasionally
- 2: Most times that I go

G4i. Have you gambled at a casino between the hours of 3am – 9am in the past 12 months?

- 0: No
- 1: Yes

G5a. In the past 12 months, how often have you **bet money on sports** either in person or online? This includes betting on professional sports such as hockey, football, basketball, or horse racing; sports lottery tickets and sports pools; betting on e-sports (professional video game competitions); fantasy sports (point totals from a 'fantasy team' composed of players selected from different teams); virtual sports (computer generated competitions); and sports you participate in yourself such as pool, bowling, golf, or darts.

- 0: Never (go to G6a)
- 1: Less than once a month
- 2: Once a month
- 3: Two to three times a month
- 4: Once a week
- 5: Several times a week
- 6: 4 or more times a week

G5b. What type of sports betting did you engage in? (check all that apply)

- 1: Betting on professional sporting events (i.e., hockey, football, basketball, baseball, boxing, mixed martial arts, motor racing, horse racing, e-sports (professional video game competitions). Which ones(s) _____
- 2: Sports pools/lotteries (i.e., betting on the outcomes of several different professional sporting matches)
- 3: Fantasy Sports betting
- 4: Virtual Sports betting (i.e., betting on computer-generated sporting competitions)
- 5: Betting on sports that you participated in yourself (e.g., golf, pool, bowling, darts, foosball)

G5c. Where and how did you bet on sports? (indicate all that apply)

- 1: Purchased sports lottery tickets (e.g., Proline, Sports Select, Mise-O-Jeu) from a local land-based retailer
- 2: Placed bets at an online sports betting site in [home province] [i.e., name of provincial website] BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)
- 3: Placed bets at an online sports betting site outside of [home province].
- 4: Made bets with other people at a private residence, your place of work, or some other non-commercial location
- 5: Placed bets at an illegal/underground land-based sports betting shop or bookmaker
- 6: Placed bets at a land-based horse race track or teletheatre

G5d. In the past 12 months, how many hours do you estimate you spent on sports betting in a typical month? (this includes any time taken to do research and calculate odds)? _____ (limit to numerals with a maximum value of 400)

G5e. In the past 12 months, how much money do you estimate you spent on sports betting in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). _\$ _____ (limit to numerals)

G6a. In the past 12 months, how often have you bet or spent money playing **bingo**? This includes bingo played while the numbers are drawn, such as at a bingo hall, or an online bingo hall, but excludes instant bingo games like scratch tickets or electronic machines versions.

- 0: Never (go to G7a)
- 1: Less than once a month
- 2: Once a month
- 3: Two to three times a month
- 4: Once a week
- 5: Several times a week
- 6: 4 or more times a week

G6c. Where did you play bingo (check all that apply)

- 1: At a land-based bingo hall in [home province]
- 2: At a land-based bingo hall outside of [home province]
- 3: At an online website within [home province] [name of provincial website]. BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)
- 4: At an online website outside of [home province].

G6d. In the past 12 months, how many hours do you estimate you spent playing bingo in a typical month? _____ (limit to numerals with a maximum value of 400)

G6e. In the past 12 months, how much money do you estimate you spent playing bingo in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). _\$_____ (limit to numerals)

G7a. In the past 12 months, how often have you bet or spent money on **other types of gambling** that have not yet been mentioned? Examples includes keno, cock fights, dog racing, dog fights, non-casino card or dice games (e.g., rummy, backgammon), video games, board games, television events (e.g., reality show winners), political events, or anything else.

- 0: Never (go to G8a)
- 1: Less than once a month
- 2: Once a month
- 3: Two to three times a month
- 4: Once a week
- 5: Several times a week
- 6: 4 or more times a week

G7b. What are these other types of gambling you bet money on? (check all that apply)

- 1: Keno
- 2: Bingo
- 3: Kinzo
- 4: Cock fights
- 5: Dog racing
- 6: Dog fights
- 7: Other animal contests
- 8: Non-casino card games (e.g., rummy, euchre, [hanafuda](#) (hwatu))
- 9: Non-casino dice games (e.g., backgammon, Yahtzee)
- 10: Video games (i.e., other than electronic video gambling machines in casinos and e-sport competitions)
- 11: Board games
- 12: Televised entertainment events
- 13: Political events
- 14: Other _____ [specify] (record financial index wagering in G8)

G7c. Where did you make these bets? (check all that apply)

- 1: At a land-based gambling venue (casino, bingo hall, racetrack) in [home province]
- 2: At a land-based gambling venue (casino, bingo hall, racetrack) outside of [home province].
- 3: At a bar/lounge/club/hotel in [home province]

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4: At a bar/lounge/club/hotel outside of [home province].

5: At an online gambling website in [home province] [name of provincial website]. BC=BCLC PlayNow; MB=Manitoba Liquor & Lotteries PlayNow; ON=PlayOLG; QU=Loto-Quebec jeux en ligne; NB,NS,PE,NL=Atlantic Lottery Corporation online games (this option not presented to AB,SK,YK,NU,NWT)

6: At an online gambling website outside of [home province].

7: At a land-based underground/illegal casino, card room, or other venue in [home province]

8: At my place of work, a private residence, or some other non-commercial location

9: On a ship in international waters

G7d. In the past 12 months, how many hours do you estimate you spent on these other types of gambling in a typical month? _____ (limit to numerals with a maximum value of 400)

G7e. In the past 12 months, how much money do you estimate you spent on these other types of gambling in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). _\$ _____ (limit to numerals)

G8a. In the past 12 months, how often have you engaged in any **speculative financial market activities**? This refers to things such as day trading, penny stocks, shorting, options, currency futures, or placing a wager on the direction or future value of a financial index (e.g., composite index such as TSX, Dow Jones, currency value)?

0: Never (go to G9)

1: Less than once a month

2: Once a month

3: Two to three times a month

4: Once a week

5: Several times a week

6: 4 or more times a week

G8b. Which specific activities did you engage in? (check all that apply)

1: Day trading

2: Penny stocks

3: Shorting stocks

4: Options

5: Futures

6: Financial index betting.

7: Other _____ [specify]

G8d. In the past 12 months, how many hours do you estimate you spent on speculative financial market activities in a typical month? (this includes time taken to do research and check prices) _____ (limit to numerals with a maximum value of 400)

G8e. In the past 12 months, how much money do you estimate you spent on these speculative financial market activities in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). _\$ _____ (limit to numerals)

Go to next Section if there has been no participation in any type of gambling in the past 12 months.

G9. You said that you engaged in (list types of gambling reported earlier) in the past year. In a typical month, how many days do you engage in at least one form of gambling, including buying lottery tickets _____ (limit to numbers from 0 to 30) (CCSA question)

G10. Has your frequency of gambling over the past 12 months been steady and regular or more variable and irregular?

1: Very regular and steady

2: Fairly regular and steady

3: Fairly variable and irregular

4: Very variable and irregular

G11a. In the past 12 months, what is the largest amount of money you have lost to gambling in a single day?

0: \$0

1: \$1-\$199

2: \$200-\$499

- 3: \$500-\$999
- 4: \$1000-\$1999
- 5: \$2000-\$4999
- 6: \$5000-\$9999
- 7: \$10000 or more

G11b. In the past 12 months, what is the largest amount of money you have won from gambling in a single day?

- 0: \$0
- 1: \$1-\$199
- 2: \$200-\$499
- 3: \$500-\$999
- 4: \$1000-\$1999
- 5: \$2000-\$4999
- 6: \$5000-\$9999
- 7: \$10000 or more

G12 is only asked of people who participated in online gambling in the past 12 months (i.e., scored either 2 on G1c; 2 on G2c; 5 or 6 on G3c; 4 or 5 on G4c; 2 or 3 on G5c; 2 on G6c; or 5 or 6 on G7c)

G12. How did you pay for your online gambling?

- 1: Regular currency (credit card, debit card, bank wire transfer, PayPal, cheque)
- 2: Digital or cryptocurrency (e.g., Bitcoin)
- 3: Both regular currency and digital currency

GAMBLER. Any past year gambling on G1 to G8.

ONLINEGAMBLING. Any past year online gambling on G1 to G8.

GTYPES. Total number of different types of gambling engaged in within past 12 months (G1 – G8). All values greater than 499 reset to 499.

GFREQ. Total combined frequency reported on all types of gambling in past 12 months (range of 0 to 48).

GMAXFREQ. Maximum frequency reported on any type of gambling in past 12 months.

GTIME. Total 'typical month' time reported on all types of gambling in past 12 months.

GNETLOSS. Total 'typical month' net loss/win on all types of gambling in past 12 months.

GTOTALLOSS. Only totalling losses reported on each type. Net wins for each type are reset to -1.

GAMBLING MOTIVATION (GM)

Do not ask GM1 to anyone who has not participated in any type of gambling in the past 12 months.

GM1a. What would you say are the main reasons that you gamble? (check all that apply) (go to GM2 if only one reason is indicated)

- 1: Excitement/enjoyment/fun
- 2: To win money
- 3: To develop my skills
- 4: To compete or for the challenge
- 5: To socialize
- 6: To support worthy causes
- 7: To escape, relax, or relieve stress
- 8: It makes me feel good about myself
- 9: Other _____ [specify]

GM1b. What would you say is the primary reason that you gamble? (only accept one response)

- 1: Excitement/enjoyment/fun
- 2: To win money
- 3: To develop my skills
- 4: To compete or for the challenge
- 5: To socialize
- 6: To support worthy causes
- 7: To escape, relax, or relieve stress
- 8: It makes me feel good about myself

9: Other _____ [specify]

10. I don't have a primary reason.

GM2. How important to you is gambling as a leisure or recreational activity?

- 0: Not at all important
- 1: Somewhat important
- 2: Quite important
- 3: Very important

GM3. How important is money to you?

- 0: Not at all important
- 1: Somewhat important
- 2: Quite important
- 3: Very important

RELATIVE DEPRIVATION (new section)

Revised Personal Relative Deprivation Scale

RD1. I feel deprived when I think about what I have compared to what other people like me have

- 1: Strongly disagree
- 2: Disagree
- 3: Slightly disagree
- 4: Neutral
- 5: Slightly agree
- 6: Agree
- 7: Strongly agree

RD2. I feel privileged compared to other people like me. (reverse scored)

- 7: Strongly disagree
- 8: Disagree
- 5: Slightly disagree
- 4: Neutral
- 3: Slightly agree
- 2: Agree
- 1: Strongly agree

RD3. I feel resentful when I see how prosperous other people like me seem to be.

- 1: Strongly disagree
- 2: Disagree
- 3: Slightly disagree
- 4: Neutral
- 5: Slightly agree
- 6: Agree
- 7: Strongly agree

RD4. When I compare what I have with what others like me have, I realize that I am quite well off. (reverse scored)

- 7: Strongly disagree
- 8: Disagree
- 5: Slightly disagree
- 4: Neutral
- 3: Slightly agree
- 2: Agree
- 1: Strongly agree

RD5. I feel dissatisfied with what I have compared to what other people like me have.

- 1: Strongly disagree
- 2: Disagree
- 3: Slightly disagree

- 4: Neutral
- 5: Slightly agree
- 6: Agree
- 7: Strongly agree

RDTOTAL. Sum of RD1 to RD5.

GAMBLING CONTEXT (GC)

The following questions are not asked of non-gamblers and people who only purchase lottery/raffle or instant lottery tickets.

GC1. In the past 12 months have you typically gambled alone or with friends/family?

- 1: Always alone
- 2: Mostly alone
- 3: Sometimes alone and sometimes with friends/family
- 4: Mostly with friends/family
- 5: Always with friends/family

GC2. In the past 12 months how often did you drink alcohol when you gambled?

- 1: Always
- 2: Often
- 3: Sometimes
- 4: Rarely
- 0: Never

GC3. In the past 12 months how often did you smoke or use tobacco when you gambled?

- 1: Always
- 2: Often
- 3: Sometimes
- 4: Rarely
- 0: Never

GC4. In the past 12 months how often did you use cannabis when you gambled?

- 1: Always
- 2: Often
- 3: Sometimes
- 4: Rarely
- 0: Never

GC5. In the past 12 months how often did you use stimulants (e.g., cocaine, amphetamine), opiates or opioids (e.g., morphine, codeine, fentanyl, heroin), tranquilizers, ecstasy, or other drugs when you gambled?

- 1: Always
- 2: Often
- 3: Sometimes
- 4: Rarely
- 0: Never

GAMBLING SOCIAL EXPOSURE (GE)

GE1. Eliminated

GE2. In the past 12 months, how many of the people that you regularly spend time with have been regular gamblers?

- 0: None
- 1: One
- 2: A few of them
- 3: Many of them
- 4: All of them
- 5: Unsure

GE3. In the past 12 months, how many of the people that you regularly socialize with have had gambling problems? Someone is a 'problem gambler' if they have impaired control over their gambling that has caused a significant problem for them or someone in their immediate social network.

- 0: None
- 1: One
- 2: A few of them
- 3: Many of them
- 4: All of them
- 5: Unsure

GE4. How available are opportunities to gamble at your workplace or school (past 12 months)?

- 1: Not available
- 2: Available on occasion
- 3: Readily available if you seek them out
- 4: Readily available
- 5: Unsure or not applicable

GAMBLING FALLACIES (GF)

(Gambling Fallacies Measure; Leonard, Williams & Vokey, 2015)

GF1. Which of the following set of lottery numbers has the greatest probability of being selected as the winning combination?

- 0: 1, 2, 3, 4, 5, 6
- 0: 8, 18, 3, 55, 32, 28
- 1: Each of the above have an equal probability of being selected

GF2. Which gives you the best chance of winning the jackpot on a slot machine?

- 0: Playing a slot machine that has not had a jackpot in over a month.
- 0: Playing a slot machine that had a jackpot an hour ago.
- 1: Your chances of winning the jackpot are the same on both machines.

GF3. How lucky are you? If 10 people's names were put into a hat and one name drawn for a prize, how likely is it that your name would be chosen?

- 1: About the same likelihood as everyone else
- 0: Less likely than other people
- 0: More likely than other people

GF4. If you were to buy a lottery ticket, which would be the best place to buy it from?

- 0: A place that has sold many previous winning tickets
- 0: A place that has sold few previous winning tickets
- 1: One place is as good as another

GF5. A positive attitude or doing good deeds increases your likelihood of winning money when gambling.

- 1: Disagree
- 0: Agree

GF6. A gambler goes to the casino and wins 75% of the time. How many times has he or she likely gone to the casino?

- 1: 4 times
- 0: 100 times
- 0: It is just as likely that he has gone either 4 or 100 times

GF7. You go to a casino with \$100 hoping to double your money. Which strategy gives you the best chance of doing this?

- 1: Betting all your money on a single bet
- 0: Betting small amounts of money on several different bets
- 0: Either strategy gives you an equal chance of doubling your money

GF8. Which game can you consistently win money at if you use the right strategy?

- 0: Slot machines
- 0: Roulette
- 0: Bingo
- 1: None of the above

GF9. Your chances of winning a lottery are better if you are able to choose your own numbers.

- 1: Disagree
- 0: Agree

GF10. You have flipped a coin and correctly guessed 'heads' 5 times in a row. What are the odds that heads will come up on the next flip. Would you say...

- 1: 50%
- 0: More than 50%
- 0: Or less than 50%

GFTOTAL

HARM MINIMIZATION (GHM) & RESPONSIBLE GAMBLING

GHM1a. In the past 12 months have you seen or heard any media or public awareness campaigns to prevent problem gambling in your province (e.g., on television, posters, radio, social media, billboards, etc.)?

- 0: No (go to GHM2a)
- 1: Yes

GHM1b. What impact have these messages had on your gambling expenditure?

- 0: No impact
- 1: Caused me to decrease my spending
- 2: Caused me to Increase my spending

GHM2a to GHM15 eliminated and replaced with the following questions:

The Canadian Centre for Substance Abuse is developing a set of guidelines for people that will help them avoid experiencing problems related to gambling. We want your feedback on a few examples.

Example 1: Lower Risk Gambling Guidelines Risk Bar 1

Gambling can cause financial, relationship, emotional, health, and other problems.

| Risk of problems | Gambling days per month | | | | | | | | |
|------------------|-------------------------|-------|--------|--------|--------|--------|--------|--------|----------------|
| | 0 days | 1 day | 2 days | 3 days | 4 days | 5 days | 6 days | 7 days | 8 days or more |
| | | | | | | | | | |

GHM16. Based on Example 1, if you want to reduce your risk of gambling-related problems, you should gamble no more than _____ days per month.

- 0,1,2,3,4,5,6,7,8

Example 2: Lower Risk Gambling Guidelines Risk Bar 2

| Risk of problems | Percentage of household income gambled per month* | | | | | | | | |
|------------------|---|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-----------------------------------|
| | 0.00% (\$ 0) | 0.25% (\$ 15) | 0.50% (\$ 30) | 0.75% (\$ 45) | 1.00% (\$ 60) | 1.25% (\$ 75) | 1.50% (\$ 90) | 1.75% (\$ 105) | 2.00% or more (\$ 120 or more) |
| | | | | | | | | | |

* Dollar figures are based on the Statistics Canada 2016 Census of Population, household median income of \$70,336 per year, rounded up to the nearest 5\$ increment.

GHM17. Based on Example 2, if you want to reduce your risk of gambling-related problems, you should gamble no more than _____

percent of your household income per month.

- 0.00%, 0.25%, 0.50%, 0.75%, 1.00%, 1.25%, 1.50%, 1.75%, 2.00%

**** PROGRAMMING NOTE: Examples X and Y should be presented in random order.**

Example X

Gambling can cause financial, relationship, emotional, health, and other problems. To reduce your risk of experiencing these problems:

- Gamble no more than **4 days per month**

AND

- Gamble no more than **1% of your household income** (\$ 60 per month for most Canadians). Consult the chart to the right to see what this means for you.

| Yearly Household Income | Suggested Monthly Amount |
|-------------------------|--------------------------|
| \$ 20,000 | \$ 20 |
| \$ 40,000 | \$ 35 |
| \$ 70,000 | \$ 60 |
| \$ 80,000 | \$ 70 |
| \$ 100,000 | \$ 85 |

After reading Example X, please answer the following questions:

GHM18. As general advice, does the message of gambling **no more than 4 days per month** seem too high, too low or just right for most people who gamble?

- 1: Very much too high
- 2: A little too high
- 3: Just right
- 4: A little too low
- 5: Very much too low
- 6: Message is not clear. Why? _____

GHM19. As general advice, does the **suggested spending limit (1% of household income)** seem too high, too low or just right for most people who gamble?

- 1: Very much too high
- 2: A little too high
- 3: Just right
- 4: A little too low
- 5: Very much too low
- 6: Message is not clear. Why? _____

GHM20. Taken together (i.e., no more than 4 days and 1% of your income), I would use these guidelines to make decisions about how much I gamble.

- 1: Strongly agree
- 2: Agree
- 3: Undecided
- 4: Disagree
- 5: Strongly disagree

GHM21. What aspects of Example X do you find confusing or vague? _____

GHM22. Do you have advice on how to improve this message? _____

Example Y

Gambling can cause financial, relationship, emotional, health, and other problems. To reduce your risk of experiencing these problems:

- Gamble no more than **6 days per month**

AND

- Gamble no more than **1.5% of your household income** (\$ 90 per month for most Canadians). Consult the chart to the right to see what this means for you.

| Yearly Household Income | Suggested Monthly Amount |
|-------------------------|--------------------------|
| \$ 20,000 | \$ 25 |
| \$ 40,000 | \$ 50 |
| \$ 70,000 | \$ 90 |
| \$ 80,000 | \$ 100 |
| \$ 100,000 | \$ 125 |

After reading Example Y, please answer the following questions:

GHM23. As general advice, does the message of gambling no more than **6 days per month** seem too high, too low or just right for most people who gamble?

1: Very much too high

2: A little too high

3: Just right

4: A little too low

5: Very much too low

6: Message is not clear. Why? _____

GHM24. As general advice, does the **suggested spending limit (1.5% of household income)** above seem too high, too low or just right for most people who gamble?

1: Very much too high

2: A little too high

3: Just right

4: A little too low

5: Very much too low

6: Message is not clear. Why? _____

GHM25. Taken together (i.e., no more than 6 days and 1.5% of your income), I would use these guidelines to make decisions about how much I gamble.

1: Strongly agree

2: Agree

3: Undecided

4: Disagree

5: Strongly disagree

GHM26. What aspects of Example Y do you find confusing or vague? _____

GHM27. Do you have advice on how to improve this message? _____

GHM28a. Between Example X and Example Y, which set of guidelines do you think would be more effective in helping people reduce their risk of gambling problems?

1: Example X

2: Example Y

3: Both would be effective

4: Neither would be effective

GHM28b. Why? _____

GHM29a. Between Example X and Example Y, which set of guidelines would you be most likely to use?

1: Example X

2: Example Y

3: Both

4: Neither

GHM29b. Why?

FAMILY HISTORY OF PROBLEM GAMBLING (GFH)

All questions in this section eliminated

GAMBLING PROBLEMS/HARM (GP)

GO TO GP1 if there has been any past year gambling. Note: this threshold is different from the CCHS Statistics Canada Survey where it is gambling once a month or more on any type. The present survey will investigate whether the Statistics Canada criteria are too stringent by adding questions that inquire about discrepancies between high levels of gambling involvement and no harm and reports of significant harm in the absence of significant gambling involvement.

Please answer all of the following questions, even if you think they do not apply to you.

Please answer all of the following questions, even if you think they do not apply to you. In the past 12 months, how often

| | Never (0) | Sometimes (1) | Most of the time (2) | Almost always (3) |
|---|--------------|------------------|-------------------------|----------------------|
| GP1. PGSI1. have you bet more than you could really afford to lose? | | | | |
| GP2. PGSI2/PPGM14. have you needed to gamble with larger amounts of money to get the same feeling of excitement? | | | | |
| GP3. PGSI3/PPGM9. when you gambled, did you go back another day to try to win back the money you lost? | | | | |
| GP4. PGSI4/PPGM1a. have you borrowed money or sold anything to get money to gamble? | | | | |
| GP5. PGSI8/PPGM1b. has your gambling caused any financial problems for you or your household? | | | | |
| GP6. PGSI5. have you felt that you might have a problem with gambling? | | | | |
| GP7. PGSI6/PPGM4. has your gambling caused you any health problems, including stress or anxiety? | | | | |
| GP8. PGSI7/PPGM7. have people criticized your betting or told you that you had a gambling problem, regardless of whether or not you thought it was true? | | | | |
| GP9. PGSI9. have you felt guilty about the way you gamble or what happens when you gamble? | | | | |

| In the past 12 months..... | No (0) | Yes (1) |
|--|-----------------|---------|
| GP10. PPGM2. Has your involvement in gambling caused significant mental stress in the form of guilt, anxiety, or depression for you or someone close to you in the past 12 months? | | |
| GP11. PPGM3a. Has your involvement in gambling caused significant problems in your relationship with your spouse/partner or important friends or family in the past 12 months? | | |
| GP12. PPGM3b. In the past 12 months, has your involvement in gambling caused you to repeatedly neglect your children or family? | | |
| GP13. PPGM5. Has your involvement in gambling caused significant work or school problems for you or someone close to you in the past 12 months or caused you to miss a significant amount of time off work or school? | | |
| GP14. PPGM6. In the past 12 months, has your involvement in gambling caused you or someone close to you to write bad cheques, take money that didn't belong to you or commit other illegal acts to support your gambling? | | |
| GP15. PPGM8. In the past 12 months, have you often gambled longer, with more money or more frequently than you intended to? | | |
| GP16. PPGM10a. In the past 12 months, have you made attempts to either cut down, control or stop gambling? | (go to GP18) | |
| GP17. PPGM10b. Were you successful in these attempts to cut down, control or stop gambling? | | |
| GP18. PPGM11. In the past 12 months, is there anyone else who would say that you had difficulty | | |

FOLLOW-UP ONLINE PANEL SURVEY

| | | |
|---|--|--|
| controlling your gambling, regardless of whether you agreed with them or not? | | |
| GP19. PPGM12 . In the past 12 months, would you say you have been preoccupied with gambling? | | |
| GP20. PPGM13 . In the past 12 months, when you did try cutting down or stopping did you find you were very restless or irritable or that you had strong cravings for it? | | |

PGSITOTAL. Sum of PGSI1 to PGSI9.

PGSI5PLUS. Scoring 5 or higher on PGSITOTAL.

PGSI8PLUS. Scoring 8 or higher on PGSITOTAL.

PPGMHARM. Sum of (PPGM1a & PPGM1b; maximum score of 1 for both) + PPGM2 + (PPGM3a + PPGM3b; maximum score of 1 for both) + PPGM4 + PPGM5 + PPGM6 + PPGM7

PPGMCONTROL. Sum of PPGM8, PPGM9, PPGM10b, PPGM11

PPGMOTHER. Sum of PPGM12, PPGM13, PPGM14

PPGMTOTAL

PPGMCATEGORY (Non-Gambler, Recreational Gambler, At-Risk Gambler, Problem Gambler, Pathological Gambler)

Ask GP22a if PPGMHARMTOTAL is 1 or higher and GMAXFREQ is <3 and GTIME is < 2 and GNETLOSS is < \$75

GP22a. You report significant past year problems from gambling, and yet your past year involvement in gambling and losses are very low. Do you think you may have made a mistake in some of your answers? _____

Ask GP22b if PPGMHARMTOTAL is 0 and GMAXFREQ =6 or GTIME is > 40 or GNETLOSS is > \$1000

GP22b. You report significant past year involvement in gambling as well as gambling losses, and yet you report no significant harm from your gambling. Do you think you may have made a mistake in some of your answers? _____

IF PGSITOTAL < 5, GO TO DEMOGRAPHICS

GP23. Are there particular types of gambling that have contributed to your problems more than others?

0: No (go to GP25)

1: Yes

GP24a. Which types of gambling have contributed to your problems? (check all that apply)

1: Lottery or raffle tickets

2: Instant lottery tickets or online instant games

3: Electronic gambling machines (i.e., slot machines, video lottery terminals, electronic roulette, electronic baccarat, electronic blackjack, electronic bingo, electronic keno machines, electronic racing machines)

4: Poker

5: Other casino table games (i.e., poker, blackjack, baccarat, roulette, craps, etc.) (live or online)

6: Sports betting

7: Speculative high-risk stocks, options, futures, or day trading

8: Other (keno, bingo, cock fights, dog racing, dog fights, non-casino card or dice games (e.g., rummy, backgammon), video games, board games, television events (e.g., reality show winners), political events, or anything else)

GP24b. Are your problems most with land-based gambling or online gambling?

1: Land-based

2: Online

3: Both

GP25. What do you believe are the causes of your gambling problems? _____

GP26x. Are you aware of the problem gambling treatment services in your area?

0: No

1: Yes

If person scores 0 on GP16 then go to Demographics Section.

GP26. When you tried to cut back or stop your gambling in the past year, did you do this primarily on your own or with help from other people?

1: Primarily on my own

2: Primarily with help from others (go to GP29) this filter did not work in the Baseline Online Panel Survey

GP27. What are the reason(s) you choose to do this on your own rather than seek help? (check all that apply)

1: I did not believe I would need help

2: I was unaware of where to get help

- For your information, the problem gambling helpline for your province is [BC 1-888-795-6111; AB 1-866-332-2322; SK 1-800-306-6789; MB 1-800-463-1554; ON 1-888-230-3505; NB 1-800-461-1234; NS 1-888-347-8888; PEI 1-855-255-4255; NF 1-888-899-4357; YK 1-867-9061; NU 1-800-265-3333]

3: I felt too ashamed to seek help

4: I did not believe that treatment would work for me

GP28. How successful were you in reducing or stopping your gambling?

0: Not at all successful

1: Somewhat successful

2: Quite successful

3: Very successful

GP29. What sort of help did you seek? (check all that apply)

1: Support and/or counselling from friends and/or family

2: In-person counselling from counselor, psychologist, or psychiatrist

3: In-person counselling from family doctor

4: In-person counselling from pastor, minister, priest, or other religious figure

5: Group therapy or support (e.g., Gamblers Anonymous)

6: Online or telephone counselling

7: Medication from family doctor or psychiatrist

8: Self-help materials from books or online

9: Casino or online self-exclusion

10: Residential or in-patient treatment

11: Other _____

GP29a needs to be asked for each type checked off in GP29.

GP29a. How helpful was this assistance in reducing or stopping your gambling?

0: Not at all helpful

1: Somewhat helpful

2: Quite helpful

3: Very helpful

GP29b. Do you remember how you found out about this service (skip if treatment was option 1)?

1: I looked for information on the web.

2: A family member or friend found the information

3: I got the information at a gambling venue

4: I saw a media announcement about this.

5: I called a helpline

6: I spoke to a health professional (e.g., doctor).

7: Other _____

8: Do not remember

GP29c. For treatment(s) rated as most helpful - 2,3 above), How was/were [.....] helpful? _____

GP29d needs to be asked of everyone answering this section (i.e., GP 16 = 1)

GP29d. Before the last year, what types of help have you ever accessed? (check all that apply, whether or not it was helpful to you)

1: Support and/or counselling from friends and/or family

2: In-person counselling from counselor, psychologist, or psychiatrist

3: In-person counselling from family doctor

4: In-person counselling from pastor, minister, priest, or other religious figure

5: Gamblers Anonymous

6: Group therapy or support (lead by a professional)

- 7: Online or telephone counselling
- 8: Medication from family doctor or psychiatrist
- 9: Self-help materials from books or online
- 10: Casino or online self-exclusion
- 11: Residential or in-patient treatment
- 12: Other _____

What age did you first get (for each one checked)?

GP30. How helpful was this assistance in reducing or stopping your gambling? (for each one checked)

- 0: Not at all helpful
- 1: Somewhat helpful
- 2: Quite helpful
- 3: Very helpful

DEMOGRAPHICS

D1. Please indicate your sex

- 1: Male
- 2: Female
- 3: Other

D2. In what year were you born? _____

97: prefer not to say

D3. What is your current marital status?

- 1: Single (never married and not living in a common-law relationship)
- 2: Married or living in a common-law relationship
- 3: Separated, but still legally married
- 4: Divorced
- 5: Widowed

D4. Eliminated

D5a. Eliminated

D5b. Eliminated

D5c. Eliminated

D6. Eliminated

D7a. Which category best describes your current employment situation?

- 1: Employed full-time
- 2: Employed part-time (includes people who may also be retired, or a homemaker, or fulltime student)
- 3: Sick leave, maternity leave, on strike, on disability
- 4: Homemaker and not working for money (go to D8)
- 5: Unemployed (go to D8)
- 6: Full-time student and not working for money (go to D8)
- 7: Retired and not working for money (go to D8)

D7b. Eliminated

D8. What is your best estimate of your total household income received by all household members, from all sources, before taxes and deductions in the last calendar year. This includes wages, investments, pensions, support payments, rental income, employment insurance, etc. (modelled after CCHS ADM_Q020B)

- 1: Less than \$20,000
- 2: \$20,000 – \$39,000

FOLLOW-UP ONLINE PANEL SURVEY

- 3: \$40,000 – \$59,000
- 4: \$60,000 - \$79,000
- 5: \$80,000 - \$99,000
- 6: \$100,000 - \$119,000
- 7: \$120,000 - \$139,000
- 8: >\$140,000

D9. What do you estimate your current household debt to be? This would include mortgages, credit cards, loans, car payments, etc.?

- 1: No debt
- 2: Less than \$39,000
- 3: \$40,000 – \$79,000
- 4: \$80,000 - \$119,000
- 5: \$120,000 - \$159,000
- 6: \$160,000 - \$199,000
- 7: \$200,000 - \$239,000
- 8: \$240,000 - \$299,000
- 9: >\$300,000

D10a. Eliminated

D10b. Eliminated

D11. Eliminated

D12. Eliminated

POSTAL. What is your postal code ____ ____ ____ ____ ____? (limit to Letter, Number, Letter, Number, Letter, Number)

RECONTACT. Eliminated

End

Thank you, you have completed the survey. Please click on the following arrow to receive your reward(s).

Appendix D: Key Informant Survey of Major Provincial Stakeholders

Email Invitation & Consent

Dear [specify name],

We would like you to participate in a **5-minute survey** designed to assess the opinions of Canada's major gambling stakeholders on a range of gambling-related issues. In compensation for your valuable time we will donate \$100 to the charity of your choosing.

This survey is being conducted as part of the [Canadian National Study of Gambling](#) funded by the Alberta Gambling Research Institute, Canadian Consortium of Gambling Research, Canadian Centre for Substance Abuse, and Gambling Research Exchange Ontario. The overarching purpose of this national investigation is to improve our understanding of gambling in Canada, with details about the specific research objectives being available on our [website](#).

The present survey is one element of a multi-faceted investigation that includes a recently completed survey of 28,000 Canadians by Statistics Canada as well as a more in-depth survey of 10,000 online panelists. The purpose of the present survey is to understand the opinions of the major provincial stakeholders on things such as the benefits versus harms of gambling; charity involvement in gambling; responsible gambling; integrity with which gambling is provided, etc. For each province we have sent this survey link to the Regulator; CEO of the Provincial Gambling Operator; Provincial Directors of Responsible Gambling; a Casino Owner or General Manager; and a Problem Gambling Treatment Administrator.

The 10-member Research Team from the universities of Alberta, Calgary, and Lethbridge is led by Dr. Robert Williams, Professor, Faculty of Health Sciences, University of Lethbridge. For more information about this study you can contact myself (carrie.leonard@uleth.ca). Questions regarding your rights as a participant in this research may be addressed to the Office of Research Ethics, University of Lethbridge (403-329-2747 or research.services@uleth.ca).

Thank you for your participation and for the valuable insights you can provide!

Dr. Carrie Leonard
Project Manager
Canadian National Study
Carrie.leonard@uleth.ca

Follow this link to the Survey:

[Take the Survey](#)

Or copy and paste the URL below into your internet browser:

https://uleth.qualtrics.com/jfe/form/SV_aavVp89QcmMniNn?Q_DL=bDTNAQ4GEWrDUDX_aavVp89QcmMniNn_MLRP_OdjK5ziWdY6JVSf&Q_CHL=email

Week1: personal email

Week2: personal email reminder

Week3: personal email reminder "we understand that you are a busy individual and may not have the time or desire to participate. If this is the case, please let us know and will be respectively indicate this in our Final Report."

Week4: personal email reminder "final reminder.... personal email reminder "we understand that you are a busy individual and may not have the time or desire to participate. If this is the case, please let us know and will be respectively indicate this in our Final Report."

Week5: start same procedure with back-up Key Informant

Consent Form

Thank you for agreeing to be surveyed. Please read the following letter of information before beginning the survey:

What is this study about?

The present survey is one element of a multi-faceted investigation that includes a recently completed survey of 28,000 Canadians by Statistics Canada as well as a more in-depth survey of 10,000 online panelists. The purpose of the present survey is to understand the opinions of the major provincial stakeholders on a range of gambling-related issues. For each province we have sent this survey link to the Regulator; CEO of the Provincial Gambling Operator; Provincial Directors of Responsible Gambling; a Casino Owner or Operator; and a Problem Gambling Treatment Administrator.

What is expected of you?

The survey length varies but will take an average of 5 minutes to complete. You will be asked to respond to statements on the benefits versus harms of gambling; charity involvement in gambling; responsible gambling; integrity with which gambling is provided, etc.

What are the anticipated uses of the data collected?

The responses to the survey will be aggregated with the nine other people in your category to ensure anonymity. Although individual responses may be quoted, they will never be ascribed to any individual. Further, the aggregated data from the present survey will never be reported on its own, but rather combined with data from other research arms of the overall national investigation and published in a Final Report, as well as academic publications and conference presentations.

What are the risks and benefits of participating?

There are no anticipated risks from participating. You may find some questions sensitive in nature, and you are free to not answer certain questions. The main benefit of participating is the ability to contribute to this comprehensive investigation whose ultimate aim is to improve our understanding of gambling in Canada so as to further maximize the benefits and minimize the harms. In recognition of your valuable time, we will also contribute \$100 to the charity of your choosing.

How will your confidentiality and anonymity be protected?

Your responses will not be identified with you personally as the survey collects no identifying information. However, as with any electronic online survey, anonymity and confidentiality can never be completely guaranteed. The responses to this survey will be kept on a password-protected computer with restricted access. The privacy policy for Survey Monkey can be viewed at: <https://www.surveymonkey.com/mp/legal/privacy-policy/>.

How can a participant withdraw?

Your participation is completely voluntary and you may withdraw your participation at any time by simply closing your browser before you submit your responses. If you wish to withdraw from the study after you submit your responses then contact carrie.leonard@uleth.ca to have your data deleted.

Who is conducting this research?

The 10 member Research Team is led by Dr. Robert Williams, Professor, Faculty of Health Sciences, University of Lethbridge. For more information about this study you can contact myself (carrie.leonard@uleth.ca). Questions regarding your rights as a participant in this research may be addressed to the Office of Research Ethics, University of Lethbridge (403-329-2747 or research.services@uleth.ca). This research study has been reviewed for ethical acceptability and approved by the University of Lethbridge Human Subject Research Committee. The overall findings of this investigation will be contained in a Final Report available on our website in mid to late 2020.

Consent. If you consent to participate in the survey, please click 'Next' and proceed to the survey questions now. Submission of your responses will be accepted as implied consent to participate. Thank you in advance for your participation.

Next

KEY INFORMANT SURVEY QUESTIONS FOR MAJOR PROVINCIAL STAKEHOLDERS

- 1a. Which best describes your belief about the benefit or harm that gambling has for society?
- 5: The benefits far outweigh the harm
 - 4: The benefits somewhat outweigh the harm
 - 3: The benefits are about equal to the harm
 - 2: The harm somewhat outweighs the benefits
 - 1: The harm far outweighs the benefits
- 1b. What do you believe are the main benefits? _____
- 1c. What do you believe are the main harms? _____
2. Which of the following best describes your opinion about legalized gambling?
- 1: All types of gambling should be legal
 - 2: All types of gambling should be illegal
 - 3: Some types of gambling should be legal and some should be illegal. Specify ones that should be illegal _____
3. Which of the following best describes your opinion about legal gambling opportunities in your province?
- 1: Gambling is too widely available
 - 2: The current availability of gambling is fine
 - 3: Gambling is not available enough
4. What is your opinion about charity involvement in gambling (i.e., either their provision of gambling and/or receiving funding from gambling)?
- 1: I support it
 - 2: I am against it
 - 3: I am supportive of their involvement in raffles, lotteries, and bingo, but not casinos or other types of gambling
 - 4: I am neutral or have no opinion on the topic
 - 5: Other _____
5. What is your opinion about First Nations provision of gambling?
- 1: I support it
 - 2: I am against it
 - 3: I am supportive of their involvement in raffles, lotteries, and bingo, but not casinos or other types of gambling
 - 4: I am neutral or have no opinion on the topic
 - 5: Other _____
6. Who do you think has the responsibility for minimizing the harm associated with gambling?
- 1: The gambler has the responsibility
 - 2: The provider of gambling has the responsibility
 - 3: It is a shared responsibility between the gambler and the provider, but with the gambler having the primary responsibility
 - 4: It is a shared responsibility between the gambler and the provider, but with the provider having the primary responsibility
 - 5: It is a shared responsibility with both the gambler and the provider having equal responsibility
7. How satisfied are you with the integrity and fairness with which legal gambling is provided in Canada?
- 1: Very satisfied
 - 2: Somewhat satisfied
 - 3: Neutral
 - 4: Somewhat dissatisfied
 - 5: Very dissatisfied
- 8a. How satisfied are you with the enforcement of gambling laws in your province?
- 1: Very satisfied
 - 2: Somewhat satisfied
 - 3: Neutral
 - 4: Somewhat dissatisfied
 - 5: Very dissatisfied

KEY INFORMANT SURVEY QUESTIONS FOR MAJOR PROVINCIAL STAKEHOLDERS

8b. What is your opinion concerning money laundering within casinos?

- 1: it is a very minor problem that is being well controlled
- 2: It is a very minor problem that is not being well controlled
- 3: It is a problem of moderate significance that is being well controlled
- 4: It is a problem of moderate significance that is not being well controlled
- 5: It is a serious problem that is being well controlled
- 6: It is a serious problem that is not being well controlled

9. How satisfied are you with government and gambling provider efforts to minimize the harm associated with gambling?

- 1: Very satisfied
- 2: Somewhat satisfied
- 3: Neutral
- 4: Somewhat dissatisfied
- 5: Very dissatisfied

10a. The Canadian Centre for Substance Abuse is leading an effort to establish safe gambling limits. In your own estimation, what would you estimate to be a safe maximum frequency of gambling (number of times gambling per month) that is unlikely to lead to any significant harm? Provide a number between 0 and 30: _____

10b. What would you estimate is a safe maximum amount of spending on gambling per month that is unlikely to lead to any significant harm? \$ _____

10c. What would you estimate is a safe maximum percent of monthly income that could be spent on gambling that is unlikely to lead to any significant harm? _____%

11. The large majority of Canadians gamble recreationally without experiencing any harm. However, a small percentage can be classified as problem gamblers. What percentage of the Canadian adult population would you estimate are problem gamblers? Provide a number between 1 and 100: _____%

12. What percentage of gambling revenue would you estimate comes from problem gamblers? Provide a number between 1 and 100: _____%

13. Do you believe that public consultations are necessary before introducing new legal forms of gambling?

- 0: No
- 1: Yes
- 2: Unsure

14. What, if anything, can be done to improve the provision and regulation of legalized gambling so as to better maximize the benefits and minimize the harms? _____

15. Please indicate which province you reside in.

- 1: British Columbia
- 2: Alberta
- 3: Saskatchewan
- 4: Manitoba
- 5: Ontario
- 6: Quebec
- 7: Newfoundland and Labrador
- 8: New Brunswick
- 9: Prince Edward Island
- 10: Nova Scotia

16. Please indicate which category of Key Informant you are.

- 1: Provincial regulator
- 2: CEO or Board Chair of provincial operator
- 3: Provincial director of responsible gambling (employed by the provincial operator)
- 4: Casino owner/manager
- 5: Problem gambling prevention/treatment administrator

KEY INFORMANT SURVEY QUESTIONS FOR MAJOR PROVINCIAL STAKEHOLDERS

6: Gambling research &/or knowledge exchange entity

17. Which charity would you like us to make a \$100 donation to in your name? _____

Appendix E: Casino Patron Survey

Methodology

- Surveys administered by Project Manager (PM) and Research Assistant (RA) in venues (close to exit) during a weekend (both in evenings and during days).
- The surveys will be given to patrons in print and self-administered but PM & RA will clarify and explain some of the questions where required to ensure quality of responses as well as ensure that hand-writing is legible. In cases where the participant is unable to write legibly, the PM & RA may transcribe oral responses and in cases where the participant is visually impaired, they will read out the questions and assist with written responses where required.
- Aspire to obtain 250 per venue

ANP CASINO PATRON SURVEY

Please read the following letter of information carefully before beginning the survey:

Principal Investigators: Darren R. Christensen, Associate Professor, Faculty of Health Sciences, University of Lethbridge, Fiona Nicoll, Chair in Gambling, Alberta Gambling Research Institute, Associate Professor, Faculty of Arts, University of Alberta

What is this study about?

You are invited to participate in an anonymous survey of casino patrons. This is a research study that examines the perceptions of casino patrons about gambling, responsible gambling, and their experiences of casinos. Through your participation, we hope to better understand the gambling experience relating to responsible gambling measures in casinos. This invitation to participate is being extended to casino patrons at select casinos across Canada.

What is expected of you?

The survey contains 57 brief questions and will take approximately five to ten minutes to complete. These questions ask you for information about your gambling and your gambling experiences. You may choose to skip any question you prefer not to answer.

What are the anticipated uses of the data collected?

The responses to the survey will be aggregated and presented in a report to the Alberta Gambling Research Institute. The aggregated findings may also be published in scholarly presentations and publications.

What are the risks and benefits of participating?

There are no anticipated risks from participating in this study. The main direct benefit of you participating is receiving a \$10 gift card. Results of this research may be used by governments and gambling providers to improve the experience of casino patrons and access to effective responsible gambling resources over time.

How will your confidentiality and anonymity be protected?

Participation is voluntary, and your responses will not be identified with you personally as the survey collects no identifying information.

The completed surveys will be held in secure locked locations. Only the study team will have access to the data. The responses to this survey will be kept on password-protected computers on secure servers with restricted access.

How can a participant withdraw?

You may withdraw your participation at any time without penalty. To withdraw simply retain the survey or indicate that you wish to withdraw from the survey to the survey administrator. If you indicate you wish to withdraw the survey administrator will destroy your survey data immediately. If you choose to discontinue participation after you have submitted your responses and do not immediately indicate your withdrawal, it will not be possible to withdraw your responses because they will not have identifying information linked to them.

Who is conducting this research?

For more information on this study or for a summary of the findings you may contact the Principle Investigators Darren Christensen at darren.christensen@uleth.ca or 403-329-5124, or Fiona Nicoll at fnicoll@ualberta.ca or 780-240-7430. Questions regarding your rights as a participant in this research may be addressed to the Office of Research Ethics, University of Lethbridge (Phone: 403-329-2747 or Email: research.services@uleth.ca).

This research study has been reviewed and approved by the University of Lethbridge Human Subject Research Committee.

Compensation

You will receive a \$10 gift-card after completing the survey.

Eligibility

You must be 18 years or older to participate in this survey.

Consent

By completing and returning the survey (paper copy or tablet) you are indicating consent to be a participant in this study.

Next

Quit

KEY INFORMANT INTERVIEW OF KEY INDIGENOUS LEADERS

Date _____ Venue _____ (completed by RA or PM)

Gambling Experience

GE1. Do you understand the rules and design of all the games you play in the casinos you attend?

0: No (go to GE3)

1: Yes

GE2. Where did you learn about these rules and game designs? _____ (go to GE4)

GE3. Where would you go to find information about these rules and games? _____

GE4a. What are the benefits that this casino creates in your local community? _____

GE4b. What are the harms that this casino creates in your local community? _____

GE5. How would you rate the casinos you attend in terms of quality of food, entertainment, friendliness of staff, cleanliness, comfort of furnishings, smoking and climate control?

1: Poor

2: Below average

3: Average

4: Above average

5: Excellent

GE6. What do you like best about your local casino? _____

GE7. What things in your local casino would you like to see improved? _____

GE8. How would you rate the casinos you most often go to in terms of responsibility (i.e., alcohol service, promptness of pay-outs, correct functioning of gaming equipment, etc.)?

1: Poor

2: Below average

3: Average

4: Above average

5: Excellent

GE9. Are you a member of any gambling rewards or loyalty program provided by your province or casino?

0: No (go to GE18)

1: Yes

GE10. What are the benefits of membership to you personally? _____

GE11. Have you experienced any negative experiences related to your membership?

0: No (go to GE18)

1: Yes

GE11a. Please describe the negative experiences you have had related to your membership _____

GE18. As a consumer, what is the most important thing you would like the government and gambling businesses to know about casinos in your province? _____

Responsible Gambling

All Canadian casinos provide services to help people better understand the game odds, gambling myths, and signs of gambling addiction. These things take the form of pamphlets, responsible gambling staff (e.g., GameSense Advisor, PlaySmart Advisor), and interactive responsible gambling terminals.

KEY INFORMANT INTERVIEW OF KEY INDIGENOUS LEADERS

RG1. Prior to today, were you aware of responsible gambling staff, interactive responsible gambling terminals/kiosks, and/or responsible gambling information pamphlets in casinos in your province? (similar to online panel question)

1: Yes

0: No (go to RG8)

RG2. How accessible are these responsible gambling staff, terminals, and pamphlets in the casinos you patronise?

1: Not accessible at all

2: Somewhat accessible

3: Very accessible

4: Always accessible

RG3. Do you feel comfortable about using these responsible gambling services?

1: No

2: A little bit

3: Yes

RG4. Prior to today, how often in the past 12 months have you used responsible gambling terminals/kiosks, pamphlets, or had an interaction with a responsible gambling staff in the casino (e.g., GameSense Advisor, PlaySmart Advisor)?

0: Never (go to RG9)

1: Once or twice

2: Two or three times

3: Four to 12 times

4: More than 12 times

RG5. How did you initially access these responsible gambling services?

1: I sought them out myself

2: Casino staff alerted me to them

3: Other gamblers alerted me to them

RG6. Have these responsible gambling services been informative?

0: No, I didn't really learn anything new

1: Yes, somewhat

2: Yes, I definitely learned some useful things

RG7. Have these responsible gambling services changed your gambling behaviour in any way?

0: No (go to RG11)

1: Yes

RG7a. How have these responsible gambling services changed your behaviour? Select all that apply

1: I spend more time gambling

2: I spend more money gambling

3: I spend less time gambling

4: I spend less money gambling

RG11. How often in the past 12 months have you used your loyalty/reward card to place limits on time spent, money spent, or frequency of play?

0: Never

1: Once or twice

2: Two or three times

3: Four to 12 times

4: More than 12 times

9: I don't have a card or my card does not have these features (go to RG13)

RG12. How often in the past 12 months have you viewed your player activity statements so as to limit your play or spending?

0: Never

1: Once or twice

2: Two or three times

3: Four to 12 times

KEY INFORMANT INTERVIEW OF KEY INDIGENOUS LEADERS

4: More than 12 times

9: I don't have a card or my card does not have these features

Casinos provide an option for customers to ban themselves from entering the casinos in the province if they are having problems. This is called self-exclusion.

RG13. Have you ever self-excluded yourself from the casinos in your province? (GP29 in the online panel gathers similar info)

0: No (go to RG21)

1: Yes

RG14. How long did you self-exclude for?

1: 6 months

2: 1 year

3: 2 years

4: more than 2 years

RG15. How helpful was casino self-exclusion to you in curbing your gambling?

0: Not at all helpful

1: Somewhat helpful

2: Very helpful

RG17. Have you re-entered a casino in your province during your period of self-exclusion?

0: No

1: Yes, once or twice

2: Yes, several times

RG18. Were you ever detected?

0: No

1: Yes, once

2: Yes, more than once

RG19. Were there any consequences for being detected?

0: No

1: Yes. Describe the consequences _____

RG21. In general, what, if any, improvements to responsible gambling safeguards and services would you suggest?

Gambling Behaviour

GB3. In the past 12 months, how often have you bet or spent money on **electronic gambling machines**, such as slot machines, VLTs, electronic blackjack, electronic roulette, or video poker either in person or online? This refers to stand-alone machines and also includes electronic bingo machines, electronic craps, electronic keno machines, and electronic racing machines. (online panel and CCHS Stats Canada question; important for triangulation and weighting)

0: Never (go to GB7)

1: Less than once a month

2: Once a month

3: Two to three times a month

4: Once a week

5: Several times a week

6: 4 or more times a week

GB4. In the past 12 months how often have you used the maximum number of betting lines on slot machines or VLTs?

0: Never

1: occasionally

2: fairly often

3: most of the time

4: all of the time

KEY INFORMANT INTERVIEW OF KEY INDIGENOUS LEADERS

GB5. In the past 12 months how often did you make the maximum bet on slot machines or VLTs?

- 0: Never
- 1: occasionally
- 2: fairly often
- 3: most of the time
- 4: all of the time

GB6. In the past 12 months, how much money do you estimate you spent on electronic gambling machines in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). Do not include money spent on transportation, food, drinks, or parking. _\$_____ (online panel question)

GB7. Excluding electronic machine versions, how often in the past 12 months have you bet or spent money on casino table games like poker, blackjack, baccarat or roulette? Please include any location, whether at a casino, a private residence, online, or anywhere else. Casino table games also includes craps, mah-jong, sic bo, and pai gow. (online panel and CCHS Stats Canada question; important for triangulation and weighting)

- 0: Never (go to GB9)
- 1: Less than once a month
- 2: Once a month
- 3: Two to three times a month
- 4: Once a week
- 5: Several times a week
- 6: 4 or more times a week

GB8. In the past 12 months, how much money do you estimate you spent on casino table games in a typical month? Spend means how much you are ahead or behind or your net win or loss (if you have a net win, put a '+' sign in front of the number). Do not include money you spent on transportation, food, drinks, or parking. _\$_____ (online panel question)

Problem Gambling

PG1. In the past 12 months, have you needed to gamble with larger amounts of money to get the same feeling of excitement?

- 0: No
- 1: Yes

PG2. In the past 12 months, have you often gambled longer, with more money or more frequently than you intended to?

- 0: No
- 1: Yes

PG3. In the past 12 months, have you made attempts to either cut down, control or stop gambling?

- 0: No
- 1: Yes

Demographics

Same demographic questions as contained in the Online Panel surveys (important for triangulation and weighting purposes)

D1. What is your gender?

- 1: Male
- 2: Female
- 3: Other/Non-binary
- 4: Prefer not to say

D2. In what year were you born?_____

D3. Which category best describes your current employment situation?

- 1: Employed full-time
- 2: Employed part-time (includes people who may also be retired, or a homemaker, or fulltime student)
- 3: Sick leave, maternity leave, on strike, on disability
- 4: Homemaker and not working for money

KEY INFORMANT INTERVIEW OF KEY INDIGENOUS LEADERS

- 5: Unemployed
- 6: Full-time student and not working for money
- 7: Retired and not working for money

D4. What is your best estimate of your total household income received by all household members, from all sources, before taxes and deductions in the last calendar year. This includes wages, investments, pensions, support payments, rental income, employment insurance, etc.

- 1: Less than \$20,000
- 2: \$20,000 – \$39,000
- 3: \$40,000 – \$59,000
- 4: \$60,000 - \$79,000
- 5: \$80,000 - \$99,000
- 6: \$100,000 - \$119,000
- 7: \$120,000 - \$139,000
- 8: >\$140,000

D6. What is the highest level of education you have achieved?

- 1: Primary level
- 2: Some Secondary schooling
- 3: Completion of Secondary school
- 4: Some Vocational training
- 5: Completion of Vocational training
- 6: Some Post-Secondary schooling at college, university or other post-secondary institute
- 7: A post-secondary certificate, diploma, or degree below a bachelor's degree
- 8: Bachelor's degree or equivalent
- 9: Professional degree (e.g., law, medicine) requiring additional education beyond standard bachelor degree
- 10: Master's or doctorate degree

Appendix F: Draft Key Informant Interview of Indigenous Leaders

I understand that other researchers may have access to this data, and may use my words in publications, reports, web pages, and other research outputs, only if they agree to preserve the confidentiality of the information as requested in this form.

Date _____ Interviewer _____

D1. Gender (do not ask)

- 1: Male
- 2: Female

D2. Position (do not ask)

- 1: Regional Chief with the Assembly of First Nations
- 2: Executive Director or Chief of a Provincial Territorial Organization
- 3: National Chief or Vice-Chief of the Congress of Aboriginal Peoples
- 4: President or Vice-President of the Native Women's Association of Canada

D3. Province or territory of residence

- 1: Alberta
- 2: British Columbia
- 3: Manitoba
- 4: New Brunswick
- 5: Newfoundland and Labrador
- 6: Northwest Territories
- 7: Nova Scotia
- 8: Nunavut
- 9: Ontario
- 10: Prince Edward Island
- 11: Quebec
- 12: Saskatchewan
- 13: Yukon

Q1. Are you the leader of a community that currently hosts a casino?

Q2. Are you the leader of a community that is located nearby a community that hosts a casino?

Q3. Have casinos lived up to their potential in terms of economic development?

Q4. Have casinos been divisive in terms of Indigenous/state relations; or inter-community relations?

Q5. What are the benefits of First Nations casinos (internally and externally)?

Q6. What are the drawbacks of First Nations casinos (internally and externally)?

Q7. What economic benefits have you witnessed from operating First Nations casinos?

Q8. What economic costs have you witnessed from operating First Nations casinos?

Q9. What social benefits have you witnessed from operating First Nations casinos?

Q10. What social costs have you witnessed from operating First Nations casinos?

Q11. What political benefits have you witnessed from operating First Nations casinos?

KEY INFORMANT INTERVIEW OF KEY INDIGENOUS LEADERS

Q12. Has pursuing casino development aided or compromised Indigenous sovereignty?

Q13. Why are some leaders so assertive in their support for reserve casinos?

Q14. Who is benefitting the most from First Nations casinos (i.e., communities, provincial government, off-reserve businesses)?

Q15. How have non-Indigenous individuals responded to First Nations casino operations?

Q16. Should the provinces be involved/able to influence First Nations casino development?

Q17. Why do you believe there is so much resistance to First Nations casino operations?

Q18. How can First Nations casino operations become an element of the national reconciliation process?

Q19. As a leader are you interested in constructing a casino in your community (why/why not)?

Q20. Is there support for such a project in your community (why/why not)?

The following questions are asked to see how closely aligned the opinions of indigenous leaders are to the opinions of the general population of indigenous people

GA1. Which best describes your belief about the benefit or harm that gambling has for society? (same question asked in online panel survey and urban aboriginal survey)

- 1: The harm far outweighs the benefits
- 2: The harm somewhat outweighs the benefits
- 3: The benefits are about equal to the harm
- 4: The benefits somewhat outweigh the harm
- 5: The benefits far outweigh the harm

GA2. Which of the following best describes your opinion about legalized gambling? (same question asked in online panel survey)

- 1: All types of gambling should be legal
- 2: All types of gambling should be illegal
- 3: Some types of gambling should be legal and some should be illegal. Specify ones that should be illegal _____

GA3. Which of the following best describes your opinion about gambling opportunities in your province? (same question asked in online panel survey)

- 1: Gambling is too widely available
- 2: The current availability of gambling is fine
- 3: Gambling is not available enough

GA4. What is your opinion about First Nations provision of gambling? (same question asked in online panel survey)

- 1: I support it
- 2: I am against it
- 3: I am supportive of our involvement in raffles, lotteries, and bingo, but not casinos or other types of gambling
- 4: I am neutral or have no opinion on the topic

GA5. What is your opinion about First Nations casinos? (same question asked in urban aboriginal survey)

- 1: They are a good thing for First Nations people
- 2: They are a bad thing for First Nations people
- 3: Unsure

GA6. Do you believe that gambling is a part of traditional Native cultural or religious practices? (same question asked in urban aboriginal survey)

- 1: Yes
- 0: No
- 2: Unsure

KEY INFORMANT INTERVIEW OF KEY INDIGENOUS LEADERS

GA7. In your opinion what is the most important issue that needs to be addressed for First Nations people? (same question asked in urban aboriginal survey)

1: economic development and jobs

2: better education

3: Land claims settlements

4: problem gambling

5: drug and alcohol problems

6: violence

7: racial discrimination

8: other _____

Appendix G: Draft Problem Gamblers in Treatment Survey

I understand that other researchers may have access to this data, and may use my words in publications, reports, web pages, and other research outputs, only if they agree to preserve the confidentiality of the information as requested in this form.

Treatment Facility Name _____ Date _____

G4f. Have you been a member of any gambling rewards or loyalty program?

- 0: No
- 1: Yes

G4g. In the past 12 months how often have you accessed additional money from automatic teller machines or other cash machines when you go gambling?

- 0: Never
- 1: Occasionally
- 2: Most times that I go

G4h. In the past 12 months how often have you borrowed money or played on credit when you gambled?

- 0: Never
- 1: Occasionally
- 2: Most times that I go

G4i. Have you gambled at a casino between the hours of 3am – 9am in the past 12 months?

- 0: No
- 1: Yes

GHM1a. In the past 12 months have you seen or heard any media or public awareness campaigns to prevent problem gambling in your province (e.g., on television, posters, radio, social media, billboards, etc.)?

- 0: No (go to GHM2a)
- 1: Yes

GHM1b. What impact have these messages had on your gambling expenditure?

- 0: No impact
- 1: Caused me to decrease my spending
- 2: Caused me to Increase my spending

| GHM2a. Are you aware of the following things which are often found in Canadian casinos? | Aware | Not Aware |
|---|-------|-----------|
| 1: 'Responsible gambling information terminals' and/or 'gambling information centres' staffed by advisors (e.g., 'GameSense') | | |
| 2: limits on casino hours of operation (i.e., closed in early morning hours) | | |
| 3: prohibition of casino employees from gambling at the casino | | |
| 4: smoking bans | | |
| 5: prohibition of gambling while intoxicated | | |
| 6: ability to receive statements of gambling spending and frequency for reward/loyalty card members | | |
| 7: limits on cash payouts for winnings (i.e., receiving a cash voucher or cheque instead) | | |
| 8: a limit on the maximum bet on electronic gambling machines (i.e., slots, VLTs, electronic blackjack, video poker, etc.) | | |
| 9: a limit on the maximum number of betting lines on slots or VLTs | | |
| 10: ability to put preset limits on time, money or frequency of slot or VLT play | | |
| 11: clocks on electronic gambling machines | | |
| 12: responsible gambling messaging on electronic gambling machines | | |
| 13: casino self-exclusion (ability to ban yourself from the casino) | | |

PROBLEM GAMBLERS IN TREATMENT SURVEY

| | | |
|---------------------------|--|--|
| 14: Other _____ (specify) | | |
|---------------------------|--|--|

| GHM2b. What impact have these things had on your spending on electronic gambling machines? (i.e., slots, VLTs, electronic blackjack, video poker, etc.) | Decreased spending | Increased spending | No impact |
|---|--------------------|--------------------|-----------|
| 1: 'Responsible gambling information terminals' and/or 'gambling information centres' staffed by advisors (e.g., 'GameSense') | | | |
| 2: limits on casino hours of operation (i.e., closed in early morning hours) | | | |
| 3: prohibition of casino employees from gambling at the casino | | | |
| 4: smoking bans | | | |
| 5: prohibition of gambling while intoxicated | | | |
| 6: ability to receive statements of gambling spending and frequency for reward/loyalty card members | | | |
| 7: limits on cash payouts for winnings (i.e., receiving a cash voucher or cheque instead) | | | |
| 8: a limit on the maximum bet on electronic gambling machines (i.e., slots, VLTs, electronic blackjack, video poker, etc.) | | | |
| 9: a limit on the maximum number of betting lines on slots or VLTs | | | |
| 10: ability to put preset limits on time, money or frequency of slot or VLT play | | | |
| 11: clocks on electronic gambling machines | | | |
| 12: responsible gambling messaging on electronic gambling machines | | | |
| 13: casino self-exclusion (ability to ban yourself from the casino) | | | |
| 14: Other _____ (specify) | | | |

Q27a. Have you ever self-excluded yourself from the casinos in your province?

0: No (go to Q28)

1: Yes

Q27b. How long did you self-exclude for?

1: Less than six months

2: Six months to 12 months

3: 12 months to 24 months

4: More than 24 months

Q27c. Did you reenter a casino in your province during your period of self-exclusion?

0: No (go to Q28)

1: Yes, once or twice

2: Yes, several times

Q27d. Were you ever detected?

0: No

1: Yes, once

2: Yes, more than once

PPGM1a. Has your involvement in gambling caused you either to borrow a significant amount of money or sell some of your possessions in the past 12 months?

1: Yes

0: No

PPGM1b. Has your involvement in gambling caused significant **financial concerns** for you or someone close to you in the past 12 months?

1: Yes

0: No

PPGM2. Has your involvement in gambling caused significant **mental stress** in the form of guilt, anxiety, or depression for you or someone close to you in the past 12 months?

1: Yes

0: No

PROBLEM GAMBLERS IN TREATMENT SURVEY

PPGM3a. Has your involvement in gambling caused serious problems in your **relationship with your spouse/partner, or important friends or family** in the past 12 months?

1: Yes

0: No

PPGM3b. Has your involvement in gambling caused you to repeatedly neglect your children or family in the past 12 months?

1: Yes

0: No

PPGM4. Has your involvement in gambling resulted in significant **health problems** or injury for you or someone close to you in the past 12 months?

1: Yes

0: No

PPGM5. Has your involvement in gambling caused significant **work or school problems** for you or someone close to you in the past 12 months or caused you to miss a significant amount of time off work or school?

1: Yes

0: No

PPGM6. Has your involvement in gambling caused you or someone close to you to write bad cheques, take money that didn't belong to you or commit other **illegal acts** to support your gambling in the past 12 months?

1: Yes

0: No

PPGM7. Is there anyone else who would say that your involvement in gambling in the past 12 months has caused any significant problems regardless of whether you agree with them or not?

1: Yes

0: No

PPGM8. In the past 12 months, have you often gambled longer, with more money or more frequently than you intended to?

1: Yes

0: No

PPGM9. In the past 12 months, have you often gone back to try and win back the money you lost?

1: Yes

0: No

PPGM10a. In the past 12 months, have you made any attempts to either cut down, control or stop your gambling?

1: Yes

0: No **go to PPGM11**

PPGM10b. Were you successful in these attempts?

1: Yes

0: No

PPGM11. In the past 12 months, is there anyone else who would say that you have had difficulty controlling your gambling, regardless of whether you agreed with them or not?

1: Yes

0: No

PPGM12. In the past 12 months, would you say you have been preoccupied with gambling?

1: Yes

0: No

PPGM13. In the past 12 months, when you were not gambling did you often experience irritability, restlessness or strong cravings for it?

1: Yes

PROBLEM GAMBLERS IN TREATMENT SURVEY

0: No

PPGM14. In the past 12 months, did you find you needed to gamble with larger and larger amounts of money to achieve the same level of excitement?

1: Yes

0: No

GP23. Are there particular types of gambling that have contributed to your problems more than others?

0: No (go to GP25)

1: Yes

1: Yes

0: No

GP24a. Which types of gambling have contributed to your problems? (check all that apply)

1: Lottery or raffle tickets

2: Instant lottery tickets or online instant games

3: Electronic gambling machines (i.e., slot machines, video lottery terminals, electronic roulette, electronic baccarat, electronic blackjack, electronic bingo, electronic keno machines, electronic racing machines)

4: Poker

5: Other casino table games (i.e., poker, blackjack, baccarat, roulette, craps, etc.) (live or online)

6: Sports betting

7: Speculative high-risk stocks, options, futures, or day trading

8: Other (keno, bingo, cock fights, dog racing, dog fights, non-casino card or dice games (e.g., rummy, backgammon), video games, board games, television events (e.g., reality show winners), political events, or anything else)

GP24b. Are your problems most with land-based gambling or online gambling?

1: Land-based (go to GP25a)

2: Online

3: Both

GP24c. Have you used any of the responsible gambling tools available on the website that allow you to set time, frequency, or spending limits or temporarily suspend your account?

0: No (go to next section)

1: Yes

GP24d. What impact have these things had on your online spending?

0: No impact

1: Decreased spending

2: Increased spending

GP25a. What do you believe are the causes of your gambling problems? _____

GP25b. What are the main things that cause you to relapse? _____

GP25c. What are the main things that help you recover from your gambling problems? _____

GP29a. In addition to your current treatment did you also seek help from other sources?

0: No

1: Yes

GP29b. Which sources were these? (check all that apply)

1: Support and/or counselling from friends and/or family

2: In-person counselling from counselor, psychologist, or psychiatrist

3: In-person counselling from family doctor

4: In-person counselling from pastor, minister, priest, or other religious figure

5: Group therapy or support (e.g., Gamblers Anonymous)

6: Online or telephone counselling

7: Medication from family doctor or psychiatrist

PROBLEM GAMBLERS IN TREATMENT SURVEY

- 8: Self-help materials from books or online
- 9: Casino or online self-exclusion
- 10: Residential or in-patient treatment
- 11: Other _____

GP30. How helpful was this assistance in reducing or stopping your gambling?

- 0: Not at all helpful
- 1: Somewhat helpful
- 2: Quite helpful
- 3: Very helpful

D1. Gender

- 1: Male
- 2: Female

D2. In what year were you born? _____

D3. What is your current marital status?

- 1: Single (never married and not living in a common-law relationship)
- 2: Married or living in a common-law relationship
- 3: Separated, but still legally married
- 4: Divorced
- 5: Widowed

D6. What is the highest level of education you have achieved?

- 1: Primary level
- 2: Some Secondary schooling
- 3: Completion of Secondary school
- 4: Some Vocational training
- 5: Completion of Vocational training
- 6: Some Post-Secondary schooling at college, university or other post-secondary institute
- 7: A post-secondary certificate, diploma, or degree below a bachelor's degree
- 8: Bachelor's degree or equivalent
- 9: Professional degree (e.g., law, medicine) requiring additional education beyond standard bachelor degree
- 10: Master's or doctorate degree

D7a. Which category best describes your current employment situation?

- 1: Employed full-time
- 2: Employed part-time (includes people who may also be retired, or a homemaker, or fulltime student)
- 3: Sick leave, maternity leave, on strike, on disability
- 4: Homemaker and not working for money
- 5: Unemployed
- 6: Full-time student and not working for money
- 7: Retired and not working for money

D8. What is your best estimate of your total household income received by all household members, from all sources, before taxes and deductions in the last calendar year. This includes wages, investments, pensions, support payments, rental income, employment insurance, etc.

- 1: Less than \$20,000
- 2: \$20,000 – \$39,000
- 3: \$40,000 – \$59,000
- 4: \$60,000 - \$79,000
- 5: \$80,000 - \$99,000
- 6: \$100,000 - \$119,000
- 7: \$120,000 - \$139,000
- 8: >\$140,000

PROBLEM GAMBLERS IN TREATMENT SURVEY

D9. What do you estimate your current household debt to be? This would include mortgages, credit cards, loans, car payments, etc.?

- 1: No debt
- 2: Less than \$39,000
- 3: \$40,000 – \$79,000
- 4: \$80,000 - \$119,000
- 5: \$120,000 - \$159,000
- 6: \$160,000 - \$199,000
- 7: \$200,000 - \$239,000
- 8: \$240,000 - \$299,000
- 9: >\$300,000

D10a. Were you born in Canada?

- 0: No
- 1: Yes

D12. What are the main ethnic or cultural origins of your ancestors? (check as many as apply)

- 1: Western and Northern European (*Austria, Belgium, England, France, Iceland, Ireland, Germany, Holland, Scandinavian countries, Scotland, Slovenia, Switzerland*)
- 2: Eastern European (*Albania, Belarus, Bosnia & Herzegovina, Bulgaria, Croatia, Czech Republic, Estonia, Greece, Hungary, Latvia, Lithuania, Macedonia, Moldova, Poland, Romania, Western Russia, Serbia, Slovakia, Ukraine*)
- 3: Southern European (*Greece, Italy, Portugal, Spain*)
- 4: Middle Eastern and Arab (*Algeria, Bahrain, Egypt, Iraq, Jordan, Kuwait, Lebanon, Libya, Morocco, Oman, Qatar, Saudi Arabia, Syria, Tunisia, UAE, Yemen*)
- 5: Central and Northern Asian (*Afghanistan, Eastern Russia, Iran, Kazakhstan, Mongolia, Tajikistan, Turkmenistan, Turkey, Uzbekistan*)
- 6: Chinese
- 7: South Asian (*i.e., India, Pakistan, Sri Lanka, Bangladesh*)
- 8: South-East Asian (*i.e., Vietnam, Cambodia, Malaysia, Laos, Thailand, Singapore, Philippines, Indonesia*)
- 9: East Asian (*i.e., Korea, Japan*)
- 10: Latin American (*i.e., Mexico, all Central American countries, all South American countries*)
- 11: African
- 12: Indigenous North American (First Nations, Inuk/Inuit, Métis)
 - 12a. Check which one applies:
 - 1: First Nations
 - 2: Inuk/Inuit
 - 3: Métis
- 13: Other _____ [specify]
- 14: Unsure

D13. What province or territory do you live in?

- 1: Alberta
- 2: British Columbia
- 3: Manitoba
- 4: New Brunswick
- 5: Newfoundland and Labrador
- 6: Northwest Territories
- 7: Nova Scotia
- 8: Nunavut
- 9: Ontario
- 10: Prince Edward Island
- 11: Quebec
- 12: Saskatchewan
- 13: Yukon

Appendix H: Curricula Vitae of Research Team

ROBERT J. WILLIAMS, Ph.D., R.Psych.

Professor, Faculty of Health Sciences &
 Research Coordinator, Alberta Gambling Research Institute
 3017 Markin Hall
 University of Lethbridge
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EDUCATION

- 1980 B.A. (HONOURS PSYCHOLOGY) McMaster University, Hamilton, Ontario
Awards: Edwin Marwin Dalley Memorial Scholarship (1977)
- 1986 PH.D. (EXPERIMENTAL PSYCHOLOGY) McMaster University, Hamilton, Ontario
Thesis: Learned Heart-Rate Control and its Relationship to Accurate Self-Report
Supervisor: Dr. Larry E. Roberts
Awards: Yates Scholarship (1980, 1984)
 University Scholarship (1983)
 Ontario Graduate Scholarship (1983)
- 1986 – 1990 GRADUATE STUDIES IN CLINICAL PSYCHOLOGY, University of Manitoba
 (individually tailored program for clinical psychology respecialization)
Academic Supervisors: Dr. Marianne Johnson, Dr. Michael Thomas
Field Placement Supervisors: Dr. Eugene Kaprowy, Dr. Larry Hardy

CURRENT PROFESSIONAL CERTIFICATION & MEMBERSHIPS

REGISTERED CLINICAL PSYCHOLOGIST, College of Alberta Psychologists (#2401)

MEMBER, Canadian Psychological Association (#10011408)

EMPLOYMENT

2004 – present PROFESSOR, FACULTY OF HEALTH SCIENCES &
RESEARCH COORDINATOR, ALBERTA GAMBLING RESEARCH INSTITUTE
UNIVERSITY OF LETHBRIDGE
LETHBRIDGE, ALBERTA, CANADA

2011 – present ASSOCIATE MEMBER, DEPARTMENT OF PSYCHOLOGY
UNIVERSITY OF LETHBRIDGE

2001 – 2003 ASSOCIATE PROFESSOR, SCHOOL OF HEALTH SCIENCES &
RESEARCH COORDINATOR, ALBERTA GAMING RESEARCH INSTITUTE
UNIVERSITY OF LETHBRIDGE
LETHBRIDGE, ALBERTA, CANADA

1998 – 2000 ADJUNCT ASSISTANT PROFESSOR
DEPARTMENT OF PSYCHIATRY, UNIVERSITY OF CALGARY
CALGARY, ALBERTA, CANADA

1996 – 2000 CLINICAL PSYCHOLOGIST
ADDICTION CENTRE – ADOLESCENT PROGRAM, FOOTHILLS HOSPITAL
CALGARY, ALBERTA, CANADA

- assessments (drug abuse, psychological, intellectual, educational, vocational)
- therapy for dually-diagnosed adolescents (individual, group, family)
- research in addictions and psychopathology

1994 – 1996 SENIOR PSYCHOLOGIST
MANITOBA FAMILY SERVICES, THOMPSON REGION
THOMPSON, MANITOBA, CANADA

- supervision of all provincial Family Service psychologists doing assessments

1989 – 1996 PRIVATE PRACTICE
THOMPSON, MANITOBA, CANADA

- court assessments (victim impact, personal injury, custody)
- disability assessments and psychotherapy (Worker's Compensation Board)
- psychotherapy for parolees (Correctional Service of Canada)
- employee assistance program (EAP) counselling for Wilson Banwell and Blue Cross
- psychoeducational assessment and consulting to Native Reserve schools

1985 – 1996 REGIONAL PSYCHOLOGIST
MANITOBA FAMILY SERVICES, THOMPSON REGION
THOMPSON, MANITOBA, CANADA

- assessments (developmental, family, child abuse, psychological, intellectual)
- coordination of the Early Childhood Intervention program (1987 – 1990)
- behavioural programming for children and mentally handicapped adults
- development/administration of "Light Room" for Seasonal Affective Disorder
- development of smoking cessation programs for city of Thompson
- program evaluation of new initiatives in Child & Family Services

COURSES TAUGHT

| | |
|------|--|
| 2017 | Behavioural Pharmacology; Adult Psychopathology |
| 2016 | Nutritional Neuroscience ⁴ ; Behavioural Pharmacology; Adult Psychopathology |
| 2015 | Behavioural Pharmacology; Adult Psychopathology; Implicit Assessment of Addictions ⁴ |
| 2014 | <i>Study Leave</i> |
| 2013 | Gambling; Neurophysiology of Addictions; Adult Psychopathology |
| 2012 | Advanced Statistics; Adult Psychopathology |
| 2011 | Advanced Statistics; Adult Psychopathology |
| 2010 | Advanced Statistics; Adult Psychopathology |
| 2009 | Advanced Statistics; Adult Psychopathology |
| 2008 | Advanced Statistics; Adult Psychopathology |
| 2007 | <i>Study Leave</i> |
| 2006 | Advanced Statistics; Gambling; Adult Psychopathology |
| 2005 | Advanced Statistics; Gambling |
| 2004 | Gambling: Economic, Social & Health Issues; Assessment of Addictions; Government Roles in Gambling ⁴ ; Neurobiology of Depression ⁴ |
| 2003 | Gambling: Economic, Social & Health Issues; Assessment of Addictions; Prevention of Problem Gambling ⁴ ; Gaming Industry Integrity ⁴ |
| 2002 | Gambling as an Addictive Disorder |
| 2001 | Assessment of Addictions |
| 2000 | Evolutionary Psychology ³ ; Abnormal Psychology ³ ; Current Issues in Psychopathology ³ (x2) |
| 1999 | Behavioural Pharmacology ³ ; Abnormal Psychology ³ ; Current Issues in Psychopathology ³ |
| 1998 | |
| 1997 | |
| 1996 | Introductory Psychology ² |
| 1995 | Abnormal Psychology ² |
| 1994 | Drugs & Behaviour ¹ ; Introductory Psychology ¹ |
| 1993 | Abnormal Psychology ² |
| 1992 | Introductory Psychology ² |
| 1991 | |
| 1990 | Drugs & Behaviour ¹ |
| 1989 | Abnormal Psychology ¹ |
| 1988 | Drugs & Behaviour ¹ ; Developmental Psychopathology ² |
| 1987 | Abnormal Psychology ¹ ; Child Development ² ; Developmental Psychopathology ² |
| 1986 | Abnormal Psychology ² ; Child Development ² |
| 1985 | Abnormal Psychology ¹ (x2); Drugs & Behaviour ¹ (x2) |

¹ Department of Psychology, University of Winnipeg

² Department of Psychology, University of Manitoba

³ Department of Psychology, University of Calgary

⁴ Independent Study

CURRENT STUDENT SUPERVISION

- 2017 (Sep) – present: Ph.D. THESIS SUPERVISOR (Gillian Russell). Department of Psychology, University of Lethbridge. *Investigating the longitudinal relationship between implicit memory associations and gambling.*
- 2014 (Jan) – present: Ph.D. THESIS SUPERVISOR (Carrie Leonard). Department of Psychology, University of Lethbridge. *Gambling fallacies and paranormal beliefs: conceptual and etiological similarities and implications for intervention.*

PAST STUDENT SUPERVISION

- 2011 (May) – 2017: M.Sc. Committee Member (Scott Oberg). Department of Neuroscience, University of Lethbridge.
- 2015 (Sep) – 2017 (Aug): M.Sc. THESIS SUPERVISOR (Gillian Russell). Department of Psychology, University of Lethbridge. *Investigating the relationship between implicit memory associations and gambling.* Successfully defended August 2017.
- 2015 (Mar) – 2017 (Jan): M.Ed. Committee Member (Joel Mader). Faculty of Education, University of Lethbridge. *Longitudinal analysis of gambling typologies.*
- 2016 (Mar) – 2017 (Aug): POST-DOCTORAL CO-SUPERVISOR (Seema Mutti-Packer). Alberta Gambling Research Institute (a joint supervision with Dr. David Hodgins at the University of Calgary).
- 2015 (Jan) – 2016: M.Sc. Committee Member (James Kotuah). Faculty of Health Sciences, University of Lethbridge. *A cross-cultural assessment of condom use intentions among university students in Ghana and Canada using the theory of planned behaviour.*
- 2013 (Feb) – 2015: M.Ed. Committee Member (Eric Burgess), Faculty of Education, University of Lethbridge.
- 2012 (Sept) – 2014 (Dec): M.Sc. THESIS SUPERVISOR (Catherine Laskowski). Department of Neuroscience, University of Lethbridge. (Co-supervision with Dr. David Euston). Thesis: *The Role of the Rat Medial Prefrontal Cortex in Complex Decision-Making Impairments.* Successfully defended December 2014. <https://www.uleth.ca/dspace/handle/10133/3631>
- 2012 (Sept) – 2013 (Dec): M.Sc. THESIS SUPERVISOR (Carrie Leonard). Department of Psychology, University of Lethbridge. Thesis: *Characteristics of Good and Poor Poker Players.* Successfully defended December 2013. <https://www.uleth.ca/dspace/handle/10133/3484>
- 2012 (June) – 2013 (Aug): M.Sc. Committee Member (Samuel Ofori Dei). Faculty of Health Sciences, University of Lethbridge.
- 2008 (Sept) – 2012: M.Sc. THESIS SUPERVISOR (Jennifer Arthur). Faculty of Health Sciences, University of Lethbridge. Thesis: *The Relationship between Legal Gambling and Crime in Alberta.* Successfully defended June 2012. <https://www.uleth.ca/dspace/handle/10133/3242>
- 2007 – 2011 (Sept): Ph.D. Committee Member (Kelly Suschinsky). Department of Psychology, University of Lethbridge.
- 2007 – 2010: Ph.D. Committee Member (Sandeep Mishra). Department of Psychology, University of Lethbridge.
- 2008 (Sept) – 2010: M.Sc. Committee Member (Greg Christie). Department of Neuroscience, University of Lethbridge.
- 2008 (May) – 2009: M.N. Committee Member (Kathy Haight). Faculty of Nursing, Memorial University, Newfoundland.
- 2006 (Jan) – 2008 (Dec): M.Sc. THESIS CO-SUPERVISOR (Janet Lapins). School of Health Sciences, University of Lethbridge. *Evaluation of the Chinook Health Region Primary Care Initiative.* Karran Thorpe was the other Co-Supervisor.
- 2004 – 2008: M.Sc. THESIS SUPERVISOR (Bev West). School of Health Sciences, University of Lethbridge. *Strategic Contingency Management to Enhance Treatment Outcomes for Problem Gamblers.* Successfully defended December 2008. <https://www.uleth.ca/dspace/handle/10133/735>

- 2006 (Jan) – 2008: M.Sc. Committee Member (Janet Vas). School of Health Sciences, University of Lethbridge.
- 2006 (Jan) – 2007: M.Sc. Committee Member (Joann Boorsma). School of Health Sciences, University of Lethbridge. Withdrew from committee due to Study Leave.
- 2006 – 2007: M.Sc. Committee Member (Teri Myhre). School of Health Sciences, University of Lethbridge. Successfully defended June 2007.
- 2005 – 2007: M.Sc. Committee Member (Sandeep Mishra). Department of Psychology, University of Lethbridge. Successfully defended July 2007.
- 2003 – 2007: M.Sc. Committee Member (Sharie Falk). School of Health Sciences, University of Lethbridge. Withdrew from committee due to Study Leave.
- 2005 – 2006: M.Sc. Committee Member (Kelly Suschinsky). Department of Psychology, University of Lethbridge. Successfully defended December 2006.
- 2004 – 2006: M.A. Committee Member (Tammy Jo Gillis). Department of Sociology, University of Lethbridge. Successfully defended April 2006.
- 2004 – 2006: M.Ed. Committee Member (Jason Solowoniuk). Faculty of Education, University of Lethbridge. Successfully defended Jan 2006.
- 2003 – 2005: M.A. Committee Member (Paul Lawton). Department of Sociology, University of Lethbridge. Successfully defended Dec 2005.
- 2002 – 2004: M.Sc. THESIS SUPERVISOR (Lyndsey Dangerfield). School of Health Sciences, University of Lethbridge. *Job Satisfaction, Substance Use and Gambling Behaviour of Northern Alberta Casino Employees*. <https://www.uleth.ca/dspace/handle/10133/553>. Successfully defended Aug 2004.
- 2000 – 2002: M.Sc. THESIS SUPERVISOR (R. Meghan Davis). Psychiatric Disorders Research Group, Medical Science Graduate Program, University of Calgary. *Prevention of Problem Gambling: A School-Based Intervention*. Successfully defended December 2002. Citation: Davis, R.M. (2003). Prevention of problem gambling: A school-based intervention. *Dissertation Abstracts, MA1 42/05*, p. 1875, Oct 2004.
- 1998 – 2001: M.Sc. Committee Member (Karyn Makarchuk). Psychiatric Disorders Research Group, Medical Science Graduate Program, University of Calgary. Successfully defended 2001.
- 1999 – 2000: Ph.D. Internship Supervisor (Theresa Zolnar). Department of Psychology, Foothills Hospital.
- 1999 – 2000: Ph.D. Practicum Supervisor (Cathy Humbke, Chrystal Mansley, Alissa Pencer). Program in Clinical Psychology, University of Calgary.
- 1998 – 2000: M.D. Research Project Preceptor (Dr. Omar al Modayfer, Dr. Regina Liu). Faculty of Medicine, University of Calgary.
- 1994 – 1998: M.S.W. Committee Member (3 students). Northern School of Social Work, University of Manitoba.
- 1994 – 1995: B.S.W. Field Placement Supervisor (2 students). Northern School of Social Work, University of Manitoba.

PUBLICATIONS & SUBMISSIONS

- Christensen, D.R., **Williams, R.J.**, & Ofori-Dei, S.M. (submitted Feb 2018 to *Addiction*). The structure of problem gambling.
- Mazar, Al., **Williams, R.J.**, Stanek, E.J., Zorn, M., & Volberg, R.A. (submitted Jan 2018 to *BMC Public Health*). Important of friends and family to gambling, at-risk gambling, and problem gambling.
- Mader, J., Christensen, D.R., & **Williams, R.J.** (submitted Jan 2018 to *Journal of Gambling Studies*). An evaluation of the pathways model using the Quinte Longitudinal Dataset.
- Russell, G.E.H., **Williams, R.J.**, & Vokey, J.R. (submitted November 2017 to *Journal of Gambling Studies*). Implicit memory associations and gambling.

- Leonard, C.A., & **Williams, R.J.** (submitted Nov 15, 2017 to *Canadian Journal of Behavioural Science*). Fallacious beliefs: Gambling specific and belief in the paranormal.
- Sanders, J., Yamamoto, S., & **Williams, R.J.** (submitted July 27, 2016 to *Addictive Behavior Reports*). Evidence of problematic play for collectible card games: concept and measurement.
- Leonard, C.A., Jackson, C., & **Williams, R.J.** (submitted Jan 2017 to *Teaching of Psychology*) (*American Psychologist; Psychological Science; Thinking and Reasoning*). Scientific reasoning education reduces belief in the paranormal.
- Parke, J., **Williams, R.J.**, & Schofield, P. (submitted Oct 2016 to *International Gambling Studies; Journal of Gambling Studies; Leisure Studies; Computers in Human Behaviour*). Digital gambling as leisure: Exploring psychological needs and the moderating influence of game preferences.
- Mutti-Packer, S., Hodgins, D.C., **Williams, R.J.**, Konkioly Thege, B. (2017). The protective role of religiosity against problem gambling: Findings from a five-year prospective study. *BMC Psychiatry, 17* (1), 356.
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CURRENT RESEARCH FUNDING

- Examining the Relationship between Problem Gambling and Problematic Video Game Use.
Sanders, J. & **Williams, R.J.** Co-Principal Investigator on **\$116,500** funding (December 2015 – October 2018 from the Alberta Gambling Research Institute).
- Investigating the Leisure Benefits of Gambling (replication study).
Parke, J., & **Williams, R.J.** Co-Principal Investigator on **£31,200** funding from Unibet London Ltd. May 2015 - December 2018.
- The Massachusetts Gambling Impact Cohort (MAGIC).
Volberg, R.A., **Williams, R.J.** Co-Principal Investigator on **\$5,309,511** funding (November 4, 2014 – November 2019) from the Massachusetts Gaming Commission.
- The Social and Economic Impacts of Gambling in Massachusetts (SEIGMA).
Volberg, R.A., **Williams, R.J.** Co-Principal Investigator on **\$10,979,309** funding (April 1, 2013 – June 30, 2019) from the Massachusetts Gaming Commission.

PAST FUNDED RESEARCH

- Measuring the Impact of the Legalization of Online Gambling in Ontario.
Williams, R.J., Volberg, R.A. Co-Principal Investigators on **\$398,690** funding (February 1, 2012 – July 1, 2016) from the Ontario Problem Gambling Research Centre.
- Examining the Psychometric Properties of a Test of Video Game Addiction.
Sanders, J. & **Williams, R.J.** Co-Investigator on **\$38,101** funding (March 1, 2015 – Feb 28, 2016 from the Alberta Gambling Research Institute.

Prescription Drug Misuse among Problem Gamblers in Canada.

Currie, C., & **Williams, R.J.** Co-Principal Investigator on **\$86,224** funding (Jan 1, 2013 – Jun 30, 2015) from the Alberta Gambling Research Institute.

Development and Validation of a Gambling Participation Instrument.

Williams, R.J., Volberg, R.A. Co-Principal Investigator on **\$150,000** funding (October 1, 2012 – July 1, 2016) from the Canadian Consortium for Gambling Research.

Assessing Transitions in Problem Gambling in a Longitudinal Study.

Hodgins, D., Casey, D., Currie, S., el-Guebaly, N., Smith, G., **Williams, R.J.**, & Schopflocher, D. Co-Principal Investigator on **\$148,000** funding (Jan 1, 2013 – Jun 30, 2015) from the Alberta Gambling Research Institute.

A Mixed Methods Study to Assess Urban Aboriginal Gambling in Canada's Prairie Provinces.

Belanger, Y.D. & **Williams, R.J.** Co-Principal Investigator on **\$134,776** funding from the Alberta Gambling Research Institute. January 1, 2012 – April 30, 2014.

Investigating the Leisure Benefits of Gambling.

Parke, J., & **Williams, R.J.** Co-Principal Investigator on **£20,000** funding from Unibet London Ltd. June 2011 – April 2014.

The Organizational Delivery of Problem Gambling Treatment Services.

Novotna, G., & **Williams, R.J.** Co-Principal Investigator on **\$2,500** funding (Jan 1, 2013 – Dec 31, 2013) from the Alberta Gambling Research Institute.

The Psychological and Behavioral Impacts of Casino Design.

Steinke, C., & **Williams, R.J.** Co-Principal Investigator on **\$4,000** funding (Dec 1, 2012 – Nov 30, 2013) from the Alberta Gambling Research Institute.

Cross-Cultural Validation of Problem Gambling and its Epidemiology.

Back, K-J., Lee, C-K., & **Williams, R.J.** (alphabetical listing). Co-Principal Investigator on **\$150,000** from the Alberta Gambling Research Institute. May 1, 2011 – June 30, 2013.

The Development of Responsible Gaming in Alberta: A Prospective Study.

El-Guebaly, N., Hodgins, D., Smith, G., **Williams, R.J.**, Williams, V., Wood, R.T. (alphabetical listing). Co-Principal Investigator on **\$2,400,000** funding from Alberta Gaming Research Institute (Jan 2004 – Dec 2012).

The Quinte Longitudinal Study: Examining the Socioeconomic Impact of a Race Track Slots Facility in the Belleville, Ontario Area.

Williams, R.J., Hann, B., Schopflocher, D., Wood, R.T., Grinols, E., McMillen, J. Co-Principal Investigator on **\$3,100,000** funding from the Ontario Problem Gambling Research Centre (Apr 1, 2006 – Nov, 2012).

Best Practices in the Population Assessment of Problem Gambling: Establishing an Ontario Benchmark and Researching New Techniques.

Williams, R.J., & Volberg, R.A. Co-Principal Investigator on **\$441,416** funding from the Ontario Problem Gambling Research Centre. June 1, 2010 – December 1, 2012.

Prevention of Problem Gambling: A Comprehensive Review of the Evidence and Identified Best Practices.

Williams, R.J. Principal Investigator on **\$25,000** funding from the Ontario Problem Gambling Research Centre. March 1, 2011 – June 30, 2012.

Developing a Mini-Screen for Problem Gambling.

Volberg, R.A. & **Williams, R.J.** Co-Principal Investigator on **£30,000** funding from the U.K. Gambling Commission. July 2011 – February 2012.

The Population Prevalence of Problem Gambling: Utility, Best Practices, Current Rates, and Future Trends.

Williams, R.J., & Volberg, R.A. Co-Principal Investigator on **\$35,000** funding from the Ontario Problem Gambling Research Centre. March 1, 2011 – February 2012.

Social and Economic Impacts of Gambling.

Williams, R.J. & Rehm, J. Co-Principal Investigator on **\$60,000** funding from the Canadian Centre on Substance Abuse & the Canadian Inter-Provincial Consortium on Gambling Research. October 1, 2009 – March, 2011.

Social and Economic Impacts of Gambling in Alberta (SEIGA)

Williams, R.J. & Belanger, Y. Principal Investigator on **\$685,000** funding from the Alberta Gaming Research Institute (Apr 1, 2008 – Dec 31, 2010). <http://research.uleth.ca/seiga/>

Assessing the Performance of a Brief Problem Gambling Screen in a Clinically Validated Sample of At-Risk, Problem and Pathological Gamblers.

Volberg, R.A. & **Williams, R.J.** Co-Principal Investigator on **\$44,000** from the Alberta Gaming Research Institute. December 1, 2009 – January 30, 2011.

The Determinants of Risky Decision Making and Gambling: The Role of Need and Relative Deprivation.

Mishra, S., Daly, M., Lalumiere, M. **Williams, R.J.** Co-Principal Investigator on **\$42,000** funding from the Ontario Problem Gambling Research Centre. September 1, 2009 – September 1, 2010.

Best Practices in the Population Assessment of Problem Gambling.

Williams, R.J., Volberg, R.A. Co-Principal Investigator on **\$308,000** funding from the Ontario Problem Gambling Research Centre (Sep 1, 2007 – August 30, 2010).

Internet Gambling: Prevalence, Demographics, and Problem Behavior.

Wood, R.T, & **Williams, R.J.** Co-Principal Investigator on **\$479,000** funding from the Ontario Problem Gambling Research Centre (Mar 30, 2005 – Dec 30, 2008).

A Window into the Addicted Brain: The Neurobiological Basis of Addiction to Gambling.

Tata, M., **Williams, R.J.**, Sutherland, R. Co-Investigator on **\$10,000** funding from the Alberta Gaming Research Institute (Jun 1, 2007 – May 31, 2008).

Gambling and risk-taking: Individual differences in risk-acceptance and variance preference.

Mishra, S., Lalumiere, M.L., **Williams, R.J.** Co-Investigator on **\$10,000** funding from the Alberta Gaming Research Institute (Jan 1, 2007 – Dec 31, 2007).

Internet Gambling Literature Review.

Williams, R.J., & Wood, R.T. Co-Principal Investigator on **\$25,000** funding from the Ontario Problem Gambling Research Centre (Mar 31, 2007 – Jul 15, 2007).

Applying Modern Item Response Theory to Measures of Problem and Pathological Gambling.

Pelton, T., **Williams, R.J.**, Pelton, L.F. Co-Investigator on **\$34,200** funding from the Ontario Problem Gambling Research Centre (Aug 1, 2005 – Jun 30, 2007).

Social and Economic Impact Study of the Introduction of Casinos in Lower Mainland Communities

Blue Thorn Research, Population Health Promotion Associates, & **Williams, R.J.** Co-Principal Investigator on **\$390,000** funding from the British Columbia Ministry of Public Safety and the Solicitor General (Jun 15, 2004 – Mar 31, 2007).

Delinquency and Gambling: A Pilot Study of their Inter-Relationship and Common Determinants.

Lalumiere, M., **Williams, R.J.**, Morgan, M. Co-Investigator on **\$10,000** funding from the Alberta Gaming Research Institute (Sep 1, 2005 – Sep 1, 2006).

Joint Blood Reserve and Lethbridge Demonstration Project on Prevention of Fetal Alcohol Spectrum Disorder.

Sutherland, R., **Williams, R.J.** Co-Investigator on **\$250,000** funding from the Alberta Centre for Child, Family and Community Research (ACCFRCR) (May 2005 – May 2006).

Strategic Contingency Management to Enhance Treatment Outcomes for Problem Gamblers.

West, B., & **Williams, R.J.** Co-Principal Investigator on **\$10,000** funding from the Alberta Gaming Research Institute (May 15, 2005 – May 15, 2006).

Examining Gambling and Problem Gambling in Albertan Aboriginal Communities

Williams, R.J., Wynne, H., Frank, L., & Nixon, G. Principal Investigator on **\$153,800** funding from the Alberta Gaming Research Institute (Jan 1, 2004 – Aug 31, 2005).

Prevention of Problem Gambling: A School-Based Intervention.

Williams, R.J., Wood, R.T., Currie, S. Co-Principal Investigator on **\$147,800** funding from the Alberta Gaming Research Institute (Jan 1, 2003 – Jan 1, 2005).

Implications of the Implementation of the Reno Model in Alberta.

Currie, S., El-Guebaly, N., Hodgins, D., Smith, G., & **Williams, R.J.** (alphabetical listing). Co-Principal Investigator on **\$50,000** funding from Alberta Alcohol & Drug Abuse Commission (AADAC) (Feb 7, 2005 – Jun 1, 2005).

State of the Evidence Review on the Prevention of Fetal Alcohol Spectrum Disorder.

Basford, L., **Williams, R.J.**, Thorpe, K., Droessler, J., Deshpande, S., Reed, A. Co-Principal Investigator on **\$70,000** funding from the Alberta Centre for Child, Family and Community Research (ACCFRC) (Apr 2004 – Dec 2004).

Gambling, Identity and Community: Evaluating the Place of Chance in the Formation of Moral Cultures.

Ramp, B., **Williams, R.J.**, Cosgrave, J., Klassen, T.R. Co-Investigator on **\$38,853** funding from the Alberta Gaming Research Institute (Nov 1, 2002 – Dec 1, 2004).

Proportion of Gaming Revenue Derived from Problem Gamblers.

Williams, R.J., Wood, R.T. Co-Principal Investigator on **\$40,895** funding from Alberta Gaming Research Institute (Jan 1, 2002 – Mar 31, 2004).

Demographics of Ontario Gaming Revenue.

Williams, R.J., Wood, R.T. Co-Principal Investigator on **\$170,396** funding from Ontario Problem Gambling Research Centre (Nov 1, 2002 – Mar 1, 2004).

Using On-Line Survey Techniques to Profile the Internet Gambler: A Pilot Study.

Wood, R.T., **Williams, R.J.** Co-Investigator on **\$43,150** funding from the Alberta Gaming Research Institute (Mar 1, 2003 – Feb 28, 2004).

Seniors and Gambling: Toward a Better Understanding.

Nixon, G., **Williams, R.J.**, Hagen, B. Co-Investigator on **\$15,000** funding from Alberta Gaming Research Institute (2002 – 2003).

Substance Use and Gambling in the Alberta Workplace, 2002: A Replication Study.

Scientific consultant for R.A. Malatest & Associates on a **\$200,000** contract from the Alberta Alcohol & Drug Abuse Commission (Aug 2002 – Aug 2003).

Impact of Statistical Knowledge on Gambling Attitudes and Behaviour of University Students.

Connolly, D., **Williams, R.J.**, Morris, J. Co-Principal Investigator on **\$10,000** funding from Alberta Gaming Research Institute (Mar 1, 2002 – May 31, 2003).

Prevention of Problem Gambling.

Williams, R.J., McGowan, V., Currie, S. & Hodgins, D.C. Principal Investigator on **\$93,788** funding from Alberta Gaming Research Institute (Nov 1, 2001 – Nov 30, 2002).

Mental Health Status of Adolescent Substance Users.

Williams, R.J., Zolnar, T., Bertrand, L., & Davis, M. Principal Investigator on **\$3,500** funding from the Centre for Advancement of Health, Calgary Health Region (Jan 1, 2001 – Dec 31, 2001).

Meaning and Diagnostic Relevance of Self-Mutilation in Adolescents.

Williams, R.J. Principal Investigator on **\$6,000** funding from University of Calgary Research Grants Committee (Sep 2000 – Sep 2001).

Stages of Change, Decisional Balance & Self-Efficacy with Adolescent Substance Abusers.

Hodgins, D., **Williams, R.J.**, Magee, C., Chang, S., Cram, B., Smith, H., Lagimodiere, M. & Kunkel, D. Co-Investigator on **\$7,000** funding from the Foothills Hospital Research & Development Fund (1998 – 2000).

Smoking Cessation Program for the City of Thompson.

Williams, R.J. & Healthy Thompson Committee. Co-Principal Investigator on **\$47,000** funding from Health Canada (1995 – 1996).

PRESENTATIONS

- May 31, 2017. Odense, Denmark. “Best Practices in the Assessment of Problem Gambling and Gambling-Related Harm (Invited Keynote Speaker)”. *Stiftelsen Nordiska Sällskapet för Upplysning om Spelberoende (11th SNSUS Conference)*.
- May 30, 2017. Odense, Denmark. “Proportion of Revenue from Problem Gamblers (Invited Speaker)”. *Stiftelsen Nordiska Sällskapet för Upplysning om Spelberoende (11th SNSUS Conference)*.
- April 10, 2017. Banff, Alberta. “Electronic Gambling Machines: What Do We Know?” *North American Think Tank on Gambling*.
- April 9, 2017. Banff, Alberta. “Update on the Quinte Longitudinal Study and the Leisure, Lifecycle, Lifestyle Project”. *North American Think Tank on Gambling*.
- April 8, 2017. Banff, Alberta. “Common and Distinguishing Mental Health and Addictive Features between Problem Gambling, Problem Video Game Playing, and Dual Problem Gambling/Problem Video Game Playing.” *Alberta Gambling Research institute Conference*.
- April 8, 2017. Banff, Alberta. “Gambling and Problem Gambling in Canadian Urban Aboriginals (Invited Speaker)”. *Alberta Gambling Research institute Conference*.
- February 2, 2017. Boston, Massachusetts. “Impacts of Gambling: Results of a Baseline Online Panel Survey”. Presentation to the *Massachusetts Gaming Commission*.
- January 24, 2017. Toronto, Ontario. “Predictors of Future Problem Gambling (Invited Speaker)”. *2nd Annual Gambling Policy Knowledge Exchange Forum*.
- Sep 14, 2016. Lisbon, Portugal. “Internet gambling as digital leisure: Exploring psychological needs and the moderating influence of game preferences”. *11th European Conference on Gambling Studies and Policy Issues*.
- Jun 7-11, 2016. Las Vegas, Nevada. “The Etiology and Stability of Problem Gambling”. *16th International Conference on Gambling and Risk-Taking*.
- Jun 7-11, 2016. Las Vegas, Nevada. “Past as Prologue? Urban Aboriginal Gambling in Canada’s Prairie Provinces”. *16th International Conference on Gambling and Risk-Taking*.
- April 9, 2016. Banff, Alberta. “Gambling Fallacies: A Catalyst for or Result of Problem Gambling”. *Alberta Gambling Research institute Conference*.
- April 8, 2016. Banff, Alberta. “The Proportion of Gambling Revenue from Problem Gamblers (Invited Speaker)”. *Alberta Gambling Research Institute Conference*.
- March 11, 2016. Toronto, Ontario. “Graduated Gambling (Invited Speaker)”. *Gambling Research Exchange Ontario Stakeholder Policy Forum*.
- March 10, 2016. Toronto, Ontario. “Low Risk Limits for Gambling (Invited Speaker)”. *Gambling Research Exchange Ontario Stakeholder Policy Forum*.
- Feb 15, 2016. Auckland, New Zealand. “Predictors of Problem Gambling (Invited Speaker)”. *New Zealand Think Tank*.
- Feb 9, 2016. Auckland, New Zealand. “Etiology of Problem Gambling: Results from the Two Major Canadian Longitudinal Studies”. *New Zealand International Gambling Conference*.
- Nov 21, 2015. Chicago, Illinois. “Wanna Bet? Analyzing the impact on reporting sensitive gambling behaviors by mode”. *Midwest Association for Public Opinion Research Annual Conference*.
- Nov 21, 2015. Chicago, Illinois. “What’s the Rush? Validity of data for early bird responders in a statewide gambling study”. *Midwest Association for Public Opinion Research Annual Conference*.
- June 15, 2015. Adelaide, Australia. “Etiology of Problem Gambling: Findings from the Canadian Longitudinal Studies (Invited Speaker)”. *Psychiatry Grand Rounds, Flinders University*.

- May 8, 2015. Hong Kong. "Etiology of Problem Gambling: Findings from the Major Canadian Longitudinal Studies". [4th Asian Pacific Problem Gambling & Addiction Conference](#).
- April 20, 2015. Toronto, Ontario. "Findings from the Canadian Longitudinal Studies (Invited Speaker)". *International Think Tank Conference*.
- April 19, 2015. Toronto, Ontario. "Findings from the Canadian Longitudinal Studies". *Conceptual Framework Meeting*. (facilitated by Gambling Research Exchange Ontario).
- March 28, 2015. Banff, Alberta. "Low Risk Guidelines for Problem-Free Gambling Derived from Longitudinal Research". *Alberta Gambling Research Institute 14th Annual Conference*.
- February 25, 2015. Lethbridge, Alberta. "Internet Gambling: Past, Present & Future". Presentation to the *University of Lethbridge Gambling Research Group*.
- November 26, 2014. Gold Coast, New South Wales. "Internet Gambling: Past, Present & Future (Invited Keynote Speaker)". *National Association for Gambling Studies Annual Conference*.
- October 22, 2014. Melbourne, Victoria. "Prevention of Problem Gambling: A Comprehensive Review of the Evidence and Recommended Best Practices (Invited Keynote Speaker)". *Victorian Responsible Gambling Foundation Many Ways to Help Conference*.
- September 11, 2014. Helsinki, Finland. "Up-to-Date Research Priorities in Gambling (Invited Keynote Speaker)". *10th European Conference on Gambling Studies and Policy*.
- September 12, 2014. Helsinki, Finland. "Best Practices in Conducting Socioeconomic Impact Analyses of Gambling". *10th European Conference on Gambling Studies and Policy*.
- May 2, 2014. Melbourne, Victoria. "Prevention of Problem Gambling: A Comprehensive Review of the Evidence and Recommended Best Practices (Invited Keynote Speaker)". *Victorian Responsible Gambling Foundation Meeting*.
- May 2014. San Francisco, California. "Binge-Eating Disorder Behaviour as a Function of Age, Gender, and Marital Satisfaction". *26th Annual Association for Psychological Science Annual Convention*.
- April 2014. Banff, Alberta. "The Etiology of Problem Gambling (Invited Speaker)". *Alberta Gambling Research Institute 13th Annual Conference*.
- April 2014. Banff, Alberta. "Does Religiousness Protect against Problem Gambling in Men and Women? A Five-year Prospective Study." *Alberta Gambling Research Institute 13th Annual Conference*.
- April 2014. Banff, Alberta. "Individual Characteristics Indicative of Better Poker Players." *Alberta Gambling Research Institute 13th Annual Conference*.
- March 2014. Lethbridge, Alberta. "Characteristic Profile of a Good Poker Player." *Meeting of the Minds 8th Annual Meeting*.
- March 2014. Lethbridge, Alberta. "The Influence of Age, Gender, Sexual Orientation, Marital Status, and Marital Satisfaction on Binge-Eating Disorder." *Meeting of the Minds 8th Annual Meeting*.
- February 21, 2014. Auckland, New Zealand. "Social and Economic Impacts of Gambling: Methodology and Impacts". *International Gambling Conference*.
- February 19, 2014. Auckland, New Zealand. "Evaluation Frameworks for Responsible Gambling". *International Gambling Conference*.
- February 18, 2014. Auckland, New Zealand. "Canadian Longitudinal Studies of Gambling (Invited Speaker)". *International Think Tank on Gambling Research, Policy and Practice*. AUT University City Campus.
- January 16, 2014. Neuchâtel, Switzerland. "Prevention of Problem Gambling: Evidence and Identified Best Practices (Invited Keynote Speaker)". *3rd International Multidisciplinary Symposium on Excessive Gambling: Prevention and Harm Reduction*. University of Neuchâtel, Switzerland.
- December 11, 2013. London, England. "Effectiveness of Harm Minimization in Problem Gambling" (Invited Speaker). *Harm Minimisation Seminar*. Responsible Gambling Trust, U.K.
- November 12, 2013. Ontario. "Prevention of Problem Gambling: A Comprehensive Review of the Evidence and identified Best Practices" (Invited Speaker). *Social Aetiology of Mental Illness Webinar*. Ontario, Canada (hosted by CAMH).
- October 24, 2013. Stockholm, Sweden. "Findings from the Alberta and Ontario Longitudinal Studies of Gambling" (Invited Speaker). *Swedish Gambling Research Network (GARN) Conference*.
- October 23, 2013. Stockholm, Sweden. "Prevention of Problem Gambling: A Comprehensive Review of the Evidence and identified Best Practices" (Invited Keynote Speaker). *Svenska Spel Annual Research Conference*.

- May 22, 2013. Macau, China. "The Reliability and Validity of Three Instruments (DSM-IV, PPGM, and CPGI) for the Assessment of Problem Gambling: The Case of South Korea". *The 11th Asia Pacific Council on Hotel, Restaurant, and Institutional Education Conference 2013*.
- April 17, 2013. Toronto, Ontario. "Internet Gambling: Past, Present, and Future" (Invited Speaker). *Research Workshop for the Canadian Consortium for Gambling Research*.
- April 6, 2013. Banff, Alberta. "Prevention of Problem Gambling: A Comprehensive Review of the Evidence". *12th Annual Alberta Gambling Research Institute Conference*.
- April 5, 2013. Banff, Alberta. "Individual characteristics that differentiate good from poor poker players." *12th Annual Alberta Gambling Research Institute Conference*.
- March 2013. Lethbridge, Alberta. "The Standardization of a New Measure of Poker Skill". Presented at *Meeting of the Minds 7th Annual Meeting*.
- February 27, 2013. Lethbridge, Alberta. "Prevention of Problem Gambling: A Comprehensive Review of the Evidence". *University of Lethbridge Gambling Research Group meeting*.
- April 14, 2012. Banff, Alberta. "The LLLP and QLS Longitudinal Studies". *11th Annual Alberta Gambling Research Institute Conference*.
- April 13, 2012. Banff, Alberta. "Worldwide Correlates of Problem Gambling". *11th Annual Alberta Gambling Research Institute Conference*.
- April 2012. Atlanta, Georgia. "Standardizing Problem Gambling Prevalence Rates: An International Perspective". *Center for the Economic Analysis of Risk Workshop*. Georgia State University.
- February 2012. Auckland, New Zealand. "Classification Accuracy of Problem Gambling Assessment Instruments". *4th International Gambling Conference: Shaping the Future of Gambling*.
- October 26, 2011. Leduc, Alberta. "Social and Economic Impacts of Gambling in Alberta". *7th Annual Problem and Responsible Gambling Stakeholder Symposium*.
- September 24, 2011. Lethbridge, Alberta. "When Neoliberalism meets Neocolonialism: Alberta's Regulation of First Nations Gaming, 1993-2010". *Fourth Annual Meeting of the Prairie Political Science Association*. September 23-24.
- July 2, 2011. Boston, Massachusetts. "Social and Economic Impacts of Gambling". *National Council for Problem Gambling Annual Conference*.
- June 14, 2011. Reykjavik, Iceland. "Classification Accuracy of the CPGI, SOGS, NODS, and PPGM Compared to Clinical Assessment". *8th Nordic Conference of Prevalence, Prevention, Treatment and Responsible Gaming*.
- June 14, 2011. Reykjavik, Iceland. "Social and Economic Impacts of Gambling". *8th Nordic Conference of Prevalence, Prevention, Treatment and Responsible Gaming*.
- May 9, 2011. Edmonton, Alberta. "Social and Economic Impacts of Gambling in Alberta". Presentation to a *meeting of the Deputy Ministers of Alberta*.
- April 27, 2011. St. Albert, Alberta. "Social and Economic Impacts of Gambling in Alberta". Presentation to the Board of the Alberta Gaming and Liquor Commission.
- April 9, 2011. Banff, Alberta. "Global Review of Studies on the Socioeconomic Impacts of Gambling: Patterns & Results". *Alberta Gaming Research Institute Annual Conference*.
- April 9, 2011. Banff, Alberta. "The Relationship Between Crime and Gambling in Alberta". *Alberta Gaming Research Institute Annual Conference*.
- April 8, 2011. Banff, Alberta. "Internet Gambling: Prevalence, Problems, and Policy Options". *Alberta Gaming Research Institute Annual Conference*.
- April 5, 2011. Ottawa, Ontario. "The PPGM Unveiled: A New Instrument for Clinical and General Population Samples" (Invited Speaker). *Discovery 2011 Pre-Conference Workshop*.
- April 5, 2011. Ottawa, Ontario. "Best Practices in the Population Assessment of Problem Gambling" (Invited Speaker). *Discovery 2011 Pre-Conference Workshop*.
- December 2, 2010. Gold Coast, Queensland. "The Classification Accuracy of the CPGI, NODS, SOGS, and PPGM." *National Association for Gambling Studies 20th Annual Conference*.
- December 2, 2010. Gold Coast, Queensland. "Stacked Deck: An Effective High School Curriculum for the Prevention of Problem Gambling." *National Association for Gambling Studies 20th Annual Conference*.
- December 1, 2010. Gold Coast, Queensland. "Good Science + Personalized attention to the details by front line staff = 94% Retention Rates: Methodological Lessons from the Quinte Longitudinal Study (QLS)." *National Association for Gambling Studies 20th Annual Conference*.

- October 4, 2010. Halifax, Nova Scotia. "Female Gambling and Problem Gambling in Canada: Gendered Profiles, Patterns, and Policy Options". *Nova Scotia Gaming Corporation's Responsible Gambling Conference*.
- October, 2010. Milan, Italy. "Alberta's Leisure, Lifestyle, Lifecycle cohort on gambling: The 2010 Update". *International Society of Addiction Medicine*.
- September, 2010. Toronto, Ontario. Internet Addiction. *Canadian Psychiatric Association Annual meeting*.
- September 25, 2010. Auckland, New Zealand. "Internet Gambling: Prevalence, Problems and Policy Options" (Invited Speaker). *Cutting Edge 2010 Conference*.
- September 24, 2010. Auckland, New Zealand. "Prevention of Problem Gambling: A Comprehensive Review of the Evidence and Recommended Best Practices" (Invited Keynote Speaker). *Cutting Edge 2010 Conference*.
- September 15, 2010. Vienna, Austria. "Community Attitudes Toward Gambling and Factors that Influence Them. *8th European Conference on Gambling Studies and Policy Issues*.
- June 11, 2010. Portland, Oregon. "Stacked Deck: An Effective High School Curriculum for the Prevention of Problem Gambling". *National Council of Problem Gambling's 24th National Conference on Problem Gambling Prevention, Research, Recovery and Treatment*.
- June 9, 2010. Portland, Oregon. "Prevention of Problem Gambling: A Comprehensive Review of the Evidence and Recommended Best Practices". *National Council of Problem Gambling's 24th National Conference on Problem Gambling Prevention, Research, Recovery and Treatment*.
- April 10, 2010. Banff, Alberta. "Quinte Longitudinal Study: Purpose, Principles and Methodological Lessons Learned (Invited Speaker). *Alberta Gaming Research Institute Annual Conference*.
- April 8, 2010. Banff, Alberta. "A Profile of Canadian Female Problem Gamblers" (Invited Speaker). *Behind the Mask: A Symposium on Women Problem Gamblers*".
- February 24, 2010. Auckland, New Zealand. "Internet Gambling: Past, Present and Future" (Keynote presentation). *2010 New Zealand International Gambling Conference*.
- February 23, 2010. Auckland, New Zealand. "Prevention of Problem Gambling: A Comprehensive Review of the Evidence and Recommended Best Practices" (Invited Speaker). *2010 New Zealand International Gambling Conference*.
- November 21, 2009. Seoul, South Korea. "Prevention of Problem Gambling: A Comprehensive Review of the Evidence and Recommended Best Practices" (Invited Speaker). *First Korean Gambling and Addiction Symposium*.
- October 5, 2009. Halifax, Nova Scotia. "Internet Gambling in Canada: Prevalence, Patterns, and Land Based Comparisons". *Nova Scotia Gaming Corporation's Responsible Gambling Conference*.
- September 25, 2009. Calgary, Alberta. "Why are adolescents gambling? The role of family, religiosity and behaviour." Presentation to the *International Society of Addiction Medicine Annual Conference*.
- September 8, 2009. Stockholm, Sweden. "Longitudinal Studies of Gambling: Purpose, Principles, and Methodological Lessons Learned" (Invited Speaker). Presentation to the SWELOGS group (the Swedish Ministry of Health's Research Team that is embarking on their own longitudinal study of gambling).
- June 22, 2009. Reno, Nevada. "The Alberta Leisure, Lifestyle, Lifecycle Cohort: The First Waves." *71st Annual Meeting of the College on Problems of Drug Dependence*.
- May 30, 2009. Fullerton, California. "Determinants of Human Sex Ratio: A Multivariate Approach". *21st Annual Meeting of the Human Behavior and Evolution Society*.
- May 29, 2009. Lake Tahoe in Stateline, Nevada. "Impact of Survey Description, Administration Format, and Exclusionary Criteria on Population Prevalence Rates of Problem Gambling". *14th International Conference on Gambling & Risk Taking*.
- May 28, 2009. Lake Tahoe in Stateline, Nevada. "Policy Options for the Regulation of Internet Gambling". *14th International Conference on Gambling & Risk Taking*.
- May 27, 2009. Lake Tahoe in Stateline, Nevada. "Online Versus Telephone Surveys: Methodological issues for Gambling Research". *14th International Conference on Gambling & Risk Taking*.
- May 26, 2009. Lake Tahoe in Stateline, Nevada. "Statistical Modeling of Consumers' Participation in Gambling Markets and Expenditure on Gaming". *14th International Conference on Gambling & Risk Taking*.
- May 2, 2009. Vancouver, Washington. "Prevention of Problem Gambling: A Comprehensive Review of the Evidence and Recommended Best Practices" (Invited Speaker). *Western Regional Conference on Problem Gambling Awareness: Focus on the Future*.
- April 21, 2009. Niagara Falls, Ontario. "Internet Gambling in Canada: Prevalence, Patterns, and Land-Based Comparisons. *Responsible Gambling Council, Discovery 2009 Conference*.

- March 27, 2009. Banff, Alberta. "Setting the Stage: History, Current Worldwide Situation, Regulatory Frameworks, and Concerns with Internet Gambling". *Alberta Gaming Research Institute's 8th Annual Conference: Internet Gambling*.
- March 27, 2009. Banff, Alberta. "Internet Gambling in Comparative Perspective: Patterns, Problems, and Interventions". *Alberta Gaming Research Institute's 8th Annual Conference: Internet Gambling*.
- March 27, 2009. Banff, Alberta. "What distinguishes frequent gamblers who do and do not develop gambling problems?" *Alberta Gaming Research Institute's 8th Annual Conference: Internet Gambling*.
- December 19, 2008. Lethbridge, Alberta. "Internet Gambling: Current Situation and Future Trends" (Invited Speaker). *Psychiatry Rounds, Chinook Health Region*.
- November, 2008. Cape Town, South Africa. "Internet gambling: The perspective of Alberta's Leisure, Lifecycle, Lifestyle Cohort." Paper presented at the annual meeting of the *International Society of Addiction Medicine*.
- October 24, 2008. Edmonton, Alberta. "Prevention of Problem Gambling: Comprehensive Review of the Evidence and Recommendations for Best Practices" (Invited Speaker). Presentation to the *Alberta Gaming & Liquor Commission's Annual Stakeholder Meeting*.
- October 31, 2008. Vancouver, British Columbia. "Gambling on the Internet: Alberta's Leisure, Lifecycle, Lifestyle Cohort". *Canadian Society of Addiction Medicine Annual Meeting*.
- October 21, 2008. Calgary, Alberta. "Prevention of Problem Gambling" (Invited Speaker). *Public Presentation at the University of Calgary* to coincide with Alberta's Responsible Gambling Week.
- September 24, 2008. Prague, Czech Republic. "The Alberta Leisure, Lifecycle, Lifestyle Cohort: Risk predictors in gambling." Paper presented at the *World Psychiatric Association conference*.
- July 4, 2008. Nova Gorica, Slovenia. "Optimal Methodology for Studying the Socioeconomic Impact of Gambling". *7th European Association for the Study of Gambling Conference*.
- July 2, 2008. Nova Gorica, Slovenia. "Prevention of Problem Gambling: A Comprehensive Review of the Evidence and Recommended Best Practices". *7th European Association for the Study of Gambling Conference*.
- June 13, 2008. Waterloo, Ontario. "Internet Gambling: Current Situation and Future Trends" (Invited Speaker). *University of Waterloo Psychology Department and the Waterloo Region Action Group on Gambling Issues*.
- June 6, 2008. Lethbridge, Alberta. "Seniors and Gambling" (Invited Speaker). *Beulah Salt Seniors Conference*.
- April 14, 2008. Ottawa, Ontario. "Stacked Deck: An Effective, School-Based Program for the Prevention of Problem Gambling". *Responsible Gambling Council Discovery 2008*.
- April 5, 2008. Banff, Alberta. "Internet Gambling in Canada: Prevalence, Patterns and Land-Based Comparisons". *Alberta Gaming Research Institute's 7th Annual Conference: Gambling in Society, A Question of Balance*.
- April 5, 2008. Banff, Alberta. "The Leisure, Lifestyle, Lifecycle Project: Wave 1 and 2 of a longitudinal study of gambling behaviour." Poster presented at the *Alberta Gaming Research Institute's 7th Annual Conference: Gambling in Society, A Question of Balance*.
- November 27, 2007. Edmonton, Alberta. "Alcohol Abuse in the Alberta Workforce". *Canadian Centre on Substance Abuse National Conference 2007: Issues of Substance*.
- November 16, 2007. Montreal, Quebec. "The Alberta Leisure, Lifestyle, Lifecycle Cohort: Identifying an At-Risk Gambling Population". *Canadian Psychiatric Association Annual Meeting*.
- November 5, 2007. Calgary, Alberta. "Youth Online Gambling" (Invited Speaker). *Alberta Association of School Resource Officers Safe Schools Conference 2007*.
- October 23, 2007. Cairo, Egypt. The Alberta Leisure, Lifecycle, Lifestyle Cohort: Results from the First Wave. *International Society of Addiction Medicine Annual Meeting*.
- October 11, 2007. Ottawa, Ontario. "The Alberta Leisure, Lifecycle, Lifestyle Cohort: Results from the First Wave". *Canadian Society of Addiction Medicine 190th Annual Conference*.
- September 22, 2007. Prague, Czech Republic. "The Alberta Leisure, Lifestyle, Lifecycle Cohort: Risk Predictors in Gambling". *XIV World Congress of Psychiatry*.
- June 11, 2007. Guelph, Ontario. "Prevention of Problem Gambling: A Review of the Evidence" (Invited Speaker). Presentation to the *Ontario Problem Gambling Research Centre Prevention Panel*.
- March 30, 2007. Banff, Alberta. "Gambling Behaviour among a Sample of Adolescents and Adults in Alberta: Early results from the Alberta Leisure, Lifestyle and Lifecycle Longitudinal Project. *Alberta Gaming Research 6th Annual Conference: Addressing Gambling-Related Harm Through Evidence-Based Practices*.
- September 5, 2006. Toronto, Ontario. "Review of the Performance of the Ontario Lottery and Gaming Corporation" (Invited Speaker). Televised sitting of the *Standing Committee on Government Agencies of the Legislature of*

Ontario. http://www.ontla.on.ca/web/committee-proceedings/committee_transcripts_details.do?locale=en&Date=2006-09-06&ParlCommID=7418&BillID=&Business=Agency+Review%3A+Ontario+Lottery+and+Gaming+Corp

- June 24, 2006. Edmonton, Alberta. "Adapting the Reno Model for Alberta". *Alberta Problem and Responsible Gambling Stakeholders Meeting*.
- April 22, 2006. Banff, Alberta. "Socioeconomic Impact Studies of Gambling in Ontario". *Alberta Gaming Research 5th Annual Conference: Social & Economic Costs & Benefits of Gambling*.
- April 21, 2006. Banff, Alberta. "The Devil is in the Details: Overview of the Main Methodological Issues in Analysis of the Socioeconomic Impacts of Gambling". *Alberta Gaming Research 5th Annual Conference: Social & Economic Costs & Benefits of Gambling*. Available at: http://gaming.uleth.ca/agri_downloads/4001/Williams_Stevens.pdf
- January 17, 2006. Mexico City, Mexico. "Addictions on University Campuses" (Invited Speaker). *Universidad Panamericana Faculty of Medicine*.
- December 7, 2005. Las Vegas, Nevada. "Public Health Approaches to Gambling: The Reno Model in Action". *6th Annual National Centre for Responsible Gambling Conference: Gambling & Addiction*.
- November 14, 2005. Toronto, Ontario. "Demographics of Ontario Gaming Revenue – Older Adult Sample Results" (Invited Speaker). *Ontario Problem Gambling Research Centre Knowledge Dissemination*.
- November 4, 2005. Lethbridge, Alberta. "Aboriginal Casinos: Who's Cashing In?" (Invited Panel Speaker). *Royal Society of Canada & University of Lethbridge*.
- September 29, 2005. Canada-wide simulcast. "Problem Gambling: Assessment, Features, Causes, Treatment & Research" (Invited Speaker). *Family Services Employee Assistance Programs*.
- August 22, 2005. Edmonton, Alberta. "Gaming Research at the University of Lethbridge" (Invited Speaker). *Strategic Research Agenda (meeting of AGRI stakeholders)*.
- July 1, 2005. Malmo, Sweden. "What Proportion of Gambling Revenue comes from Problem Gamblers?" *6th European Conference on Gambling Studies and Policy Issues*.
- June 30, 2005. Malmo, Sweden. "Using Participatory Action Research to Study Canadian Aboriginal Gambling". *6th European Conference on Gambling Studies and Policy Issues*.
- April 18, 2005. Niagara Falls, Ontario. "Problem Gambling on the Internet: Prevalence, Characteristics, and Policy Implications." *Responsible Gambling Council, Discoveries Conference*.
- April 1, 2005: Edmonton, Alberta. "The Percentage of Gambling Profits Derived from Problem Gamblers" (Invited Speaker). *Alberta Gaming Research Institute's 4th Annual Conference: Public Policy Implications of Gambling Research*.
- February 11, 2005: Edmonton, Alberta. "Voluntary Self-Exclusion" (Invited Speaker). *AADAC/AGLC Joint Stakeholder meeting*.
- December 17, 2004: Lethbridge, Alberta. "Problem Gambling: Assessment, Causes, Treatment & Research" (Invited Speaker). *Chinook Health Region Grand Rounds*.
- October 20, 2004: Edmonton, Alberta. "Prevention of FASD: Review of the Evidence". *Fetal Alcohol Spectrum Disorder Prevention and Intervention Symposium*.
- June 17, 2004: Phoenix, Arizona. "An Effective High School Curriculum for the Prevention of Problem Gambling". *National Council on Problem Gambling's 18th Annual Conference*.
- May 2, 2004: Banff, Alberta. "Seniors and Gambling: Exploring the Razor's Edge of VLT Machines". *The Tenth Annual Qualitative Health Research Conference*.
- April 27, 2004: Lethbridge, Alberta. "Problem Gambling: Assessment, Causes & Prevention" (Invited Speaker), *Lethbridge Kiwanis Club*.
- March 5, 2004: Calgary, Alberta. "Designing cohorts of gamblers... a trip to Mars!". *University of Calgary Department of Psychiatry Littman Research Day*.
- November 29, 2003: Canberra, Australia. "Issues in the Adoption of the Public Policy Approach to Problem Gambling In Australia" (Invited Speaker for Closing Plenary). *National Association of Gambling Studies 13th Annual Conference*.
- November 28, 2003: Canberra, Australia. "Prevention of Problem Gambling: Lessons Learned from Two Alberta Programs". *National Association of Gambling Studies 13th Annual Conference*.

- September 20 – 21, 2003: Toronto, Ontario. “Funding Priorities in Gambling Research (Invited Contributor to Panel Discussion)”. *Canadian National Forum on Problem Gambling Research*.
- May 27, 2003: Vancouver, British Columbia. “The Proportion of Gaming Revenue Derived from Problem Gamblers: Examining the Issues in a Canadian Context”. *12th International Conference on Gambling and Risk-Taking*.
- March 27, 2003: Lethbridge, Alberta. “Prevention of Problem Gambling: A High School and University Based Initiative”. *Alberta Gaming Research Institute’s 2nd Annual Conference: Prevention of Problem Gambling*.
- December 17, 2002: Winnipeg, Manitoba. “Prevention of Problem Gambling” (Invited Presentation as Keynote Speaker). *Addictions Foundation of Manitoba Provincial Gambling Meeting*.
- October 3, 2002: Barcelona, Spain. “Proportion of Gaming Revenue Derived from Problem Gamblers”. *5th European Conference on Gambling Studies and Policy Issues*.
- September 12, 2002: Calgary, Alberta. “Prevention of Problem Gambling”. *1st Annual Conference of Addiction Researchers in Alberta (ARA)*.
- June 13, 2002: Dallas, Texas. “Impact of Knowledge of Statistics on College Student Gambling”. *National Council on Problem Gambling’s 16th Annual Conference*.
- June 14, 2002: Dallas, Texas. “International Review of Casino Self-Exclusion Programs”. *National Council on Problem Gambling’s 16th Annual Conference*.
- April 22-23, 2002: Niagara Falls, Ontario. “Prevention of Problem Gambling: A School-Based Intervention”. *Discovery 2002: Responsible Gaming Council*.
- February 7, 2002: Lethbridge, Alberta. “A Multi-Session High School Program to Prevent Problem Gambling”. *Gambling Research at the University of Lethbridge Symposium*. Co-presented on four other presentations.
- November 2000: New Orleans, Louisiana. “Ritalin & Dexedrine Abuse in Substance-Abusing Adolescents”. *Association for Advancement of Behavior Therapy*.
- October 2000: Victoria, British Columbia. “Antidepressant Efficacy with Children and Adolescents: A Meta-Analysis”. *Canadian Psychiatric Association Annual Meeting*.
- June 2000: Ottawa, Ontario. “Comprehensive and Comparative Review of Adolescent Substance Abuse Treatment Outcome”. *Canadian Psychological Association Annual Meeting*.
- June 2000: Calgary, Alberta. “Prevention of Pathological Gambling in Adolescents”. *Collaboration in Addiction Research and Education Group, University of Calgary*.
- June 2000: Calgary, Alberta. “Antidepressant Use in Adolescents”. *Collaboration in Addiction Research and Education Group, University of Calgary*.
- March 2000: Calgary, Alberta. “Ritalin & Dexedrine Abuse in Substance-Abusing Adolescents”. *Psychiatry Research Day, University of Calgary*.
- November 1999: Medicine Hat, Alberta. “Assessment and Treatment Considerations for Individuals with Mental Health and Substance Abuse Problems” (Invited Speaker). *Alberta Mental Health Conference*.
- October 1999: Quebec City, Quebec. “Engaging Clients into Substance Abuse Treatment”. *Canadian Society on Addiction Medicine*.
- March 1999: Calgary, Alberta. “Antidepressants for Children and Adolescents: A Meta-Analysis”. *Psychiatry Research Day, University of Calgary*.
- February 1999: Calgary, Alberta. “Urinalysis versus Self-Report of Substance Use in Adolescents”. *Collaboration in Addiction Research and Education Group, University of Calgary*.
- November 1998: Calgary, Alberta. “Parental Awareness of Adolescent Substance Abuse”. *Collaboration in Addiction Research and Education Group, University of Calgary*.
- May 1998: Red Deer, Alberta. “Prevalence, Cause & Treatment of Drug Abuse” (Invited Speaker). *Provincial Judges of Alberta Annual Meeting*.
- February 1998: Calgary, Alberta. “Adolescent Substance Abuse Treatment Outcome”. *Psychiatry Research Day, University of Calgary*.

OTHER SCHOLARLY ACTIVITIES

Conference Organizer

- Program organizer for the 17th Annual Alberta Gambling Research Institute Conference “Current Issues in Gambling Research”, held at Banff, Alberta. April 12-14, 2018.

- Program organizer for the 14th Annual Alberta Gambling Research Institute Conference “Critical Issues in Gambling Research”, held at Banff, Alberta. March 26-29, 2015.
- Program organizer for the 11th Annual Alberta Gambling Research Institute Conference “Causes of Problem Gambling”, held at Banff, Alberta. April 12-14, 2012.
- Program organizer for the 8th Annual Alberta Gaming Research Institute Conference “Internet Gambling”, held at Banff, Alberta. March 27-29, 2009.
- Program organizer for the 5th Annual Alberta Gaming Research Institute Conference “Social & Economic Costs & Benefits of Gambling”, held at Banff, Alberta. April 20-22, 2006.
- Program organizer for the 2nd Annual Alberta Gaming Research Institute Conference “Prevention of Problem Gambling”, held at Lethbridge, Alberta. March 27 & 28, 2003.
- Conference and program organizer for the “Gambling Research at the University of Lethbridge Symposium”, Feb 7, 2002.

Journal Reviewer

- Addiction
- Addiction Research & Theory
- Addictive Behaviors
- American Journal of Drug and Alcohol Abuse
- Association for Canadian Studies in the United States Online Policy Journal
- Canadian Journal of Behavioural Science
- Canadian Journal of Community Mental Health
- Canadian Public Policy
- Clinical Drug Investigation
- Drug and Alcohol Dependence
- Evaluation and Program Planning
- Field Methods
- International Gambling Studies
- International Journal of Mental Health & Addiction
- Journal of Consulting and Clinical Psychology
- Journal of Gambling Issues
- Medical Science Monitor
- New England Journal of Medicine
- Progress in Neuro-Psychopharmacology & Biological Psychiatry
- Psychiatric Times

Grant Reviewer

- Calgary Health Region
- Economic & Social Research Council (U.K.)
- Ontario Problem Gambling Research Centre
- Social Sciences and Humanities Research Council
- University of Lethbridge Research Fund

COMMUNITY AND UNIVERSITY SERVICE

Public Data Repository

- In 2014 I donated the Quinte Longitudinal Study data set to the Ontario Problem Gambling Research Centre for public distribution. This was a \$3.1 million 5 year longitudinal study of gambling and problem gambling. With a 94% retention rate and ~5,000 variables it represents the most comprehensive and complete longitudinal data set of gambling in the world (and the only major longitudinal data set that has been made publically available).

Current University of Lethbridge Committees & Administrative Duties

- University of Lethbridge Coordinator for the Alberta Gambling Research Institute (2001 – present)

- Faculty of Health Sciences Search Tenure and Promotion (STP) Committee (2008 – present; Chair 2011 -2013; 2015 - 2018)
- Faculty of Health Sciences M.Sc. Program Committee (2004 – present; Chair: 2004 – 2006; 2015 - 2016)
- Faculty of Health Sciences Addiction Counselling Faculty Search Committee (2009 – 2011; 2014 – present)
- Aboriginal Health Search Committee (2017-2018)
- Faculty of Health Sciences Dean’s Advisory Committee (2015 – 2017)
- GFC Faculty STP Handbook Appeals Committee (2004 – 2017)

Past University of Lethbridge Committees & Administrative Duties

- Dean of Health Sciences Appointment Committee (2010 – 2012)
- Faculty of Health Sciences Appointment Committee (2009 – 2011)
- Vice President Research Search Committee (2008 – 2009)
- Mental Health Chair Search Committee (2007 – 2009)
- Faculty Association Grievance Committee (2005 – 2006)
- University Review Committee (2010 – 2014)
- Health Sciences Study Leave Committee (2004 – 2006; 2008 - 2010)
- Creation of the School of Health Sciences website (March 2006)
- Vice-President Research mid-term Review Committee (2006)
- Health Sciences Dean Search Committee (2002-2003; 2006)
- Health Sciences Faculty Search Committee (2001 – 2006; 2011 - 2016)
- General Faculties Council (2001 – 2004)
- General Liberal Education Requirement Committee (2002 – 2004)
- Management Faculties Council (2001 – 2002)

Past Community Steering Committees

- Healthy Thompson (1994 – 1996)
- FAS/FAE Prevention (1994 – 1996)
- “Up in Smoke” (Thompson smoking cessation committee) (1995 – 1996)
- Community Mental Health Initiative (1995 – 1996)
- Early Childhood Intervention (1993 – 1996)
- Family Focus Support Program (1994 – 1996)

Expert Witness Testimony

- Manitoba Courts: psychological assessment and child psychology
- Ontario Courts: problem gambling and casino self-exclusion
 - Edwards vs. Ontario Lottery & Gaming Corporation (2013)
 - Maalouf vs. Ontario Lottery & Gaming Corporation (2009)
 - Dennis & Noble vs. Ontario Lottery & Gaming Corporation (2009)
 - R (Queen) vs Lindberg (2009)
 - Treyes vs. Ontario Lottery & Gaming Corporation (2007)
- British Columbia Courts: responsible gambling and casino self-exclusion
 - Ross vs. British Columbia Lottery Corporation (2012)

Media Interviews and/or Coverage of My Work

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- “Experts criticize CGA Economic Study”. [CBC Radio Thunderbay](#). April 26, 2007.
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- “Rob’s gambling addiction program a hit with high school students”. [Lethbridge Herald](#), p a2. Oct 11, 2004.
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- “The big gamble”. [University Affairs \(cover article\)](#), p.10-13. Aug/Sep 2003.
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- “Prevention of Problem Gambling”. [Innovation Alberta \(website\)](#). April, 2003.
- “Prevention of Problem Gambling”. [Global TV](#). March 27, 2003.
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- “Youth Gambling”. [QR77 Radio](#). March 28, 2003
- “Gambling Conference Aimed at Children”. [The Herald \(Nova Scotia\)](#). March 27, 2003.
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- “Conference features top gambling researchers”. [University of Lethbridge Legend](#). March, 2003.
- “Conference to tackle gambling”. [Lethbridge Herald](#), A3. March 5, 2003.
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- “Youth gambling a growing concern”. [Calgary Herald](#). December 14, 2002
- “Half of gambling grants go to University of Lethbridge”. [University of Lethbridge Legend](#). December, 2002
- “Smart money is on prevention”. [Lethbridge Herald](#). November 30, 2002.
- “The grey gamblers”. Front page of [Lethbridge Herald](#). October 1, 2002.
- “Teaching True Odds”. One page profile of myself and my research in the [University of Lethbridge 2002 Community Report](#) (distributed to 250,000 households throughout Alberta). September 2002.
- “Decriminalization of marijuana”. [Global TV](#). Sept 5, 2002.
- “Problem Gambling: Self-exclusion programs show potential”. [Reno Gazette Journal](#). June 14, 2002.
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- “Gambling Research gets funding boost”. [University of Lethbridge Legend](#). April 2002.
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- “Odds against them”. [Lethbridge Herald](#) (front-page headline article). February 8, 2002.
- “Gambling Research at the University of Lethbridge”. [CTV](#). February 7, 2002.
- “Gambling Research at the University of Lethbridge”. [Global TV](#). February 7, 2002.
- “Alberta Gaming Research Institute announces \$250,000 in funding to University of Lethbridge”. [University of Lethbridge Legend](#), January 2002.
- “Prevention of Problem Gambling”. [Global TV](#). May 2001.

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CURRENT POSITION

Professor, Political Science Department, University of Lethbridge, 2016-present

PREVIOUS POSITIONS

Associate Professor, Political Science & Native American Studies Departments, University of Lethbridge, 2010-2016

Assistant Professor, Native American Studies Department, University of Lethbridge, 2004-2010

Assistant Professor, Political Studies Department, University of Saskatchewan, 2003-2004

ACADEMIC AFFILIATIONS

Research Affiliate, Nathan Associates, Los Angeles, California, 2017-present

Research Affiliate, Prentice Institute for Global Population and Economy, University of Lethbridge, 2017-present

Adjunct Associate Professor, Faculty of Health Sciences, University of Lethbridge, 2012-2015.

EDUCATION

2006 Doctor of Philosophy (Ph.D.). Indigenous Studies, Trent University, Peterborough, ON.

Dissertation: A Brief History of Indian Political Organizing in Canada, 1870-1951.

Advisor: Prof. David R. Newhouse.

Examiner: Dr. James Rodger (JR) Miller, Canada Research Chair.

2000 Master of Arts (M.A.). University of Manitoba, Winnipeg, Manitoba.

1998 Bachelor of Arts (B.A.). Honours Arts Program, Native American Studies (NAS).

IMPACT FACTOR

Google Scholar Citations: 530

Google Scholar h-index: 13

Google Scholar i10-index: 18

AWARDS, PRIZES, RECOGNITION

2017. Member, Royal Society of Canada, College of New Scholars, Artists, and Scientists (2017-2024).

2015. *Blockades or Breakthroughs* listed as one of *The Hill Times*' 100 Best Political Books of 2015.

2013. Innovation in Housing First Award. Social Housing in Action (SHIA), City of Lethbridge, AB.

2011. Shortlisted for the Native American and Indigenous Studies Association's (NAISA) *Most Thought-Provoking Article in Native American and Indigenous Studies Prize*.

2001-2002. Ontario Graduate Scholarship, Trent University. Award Amount: \$15,000

2000. Manitoba Legislative Internship (declined). Award Amount: \$18,500

1999-2000. University of Manitoba Graduate Fellowship. Award Amount: \$8,500

1998-1999. University of Manitoba Graduate Fellowship. Award Amount: \$8,500

RESEARCH GRANTS

EXTERNAL GRANTS

2013-2018. SSHRC Partnership Grant entitled “Canadian Observatory on Homelessness.” PI for Partnership Grant: S. Gaetz. Co-applicant: Y.D. Belanger. **Total Grant Amount: \$2.5 million.**

2013-2018. SSHRC Insight Grant City entitled “Planning and Aboriginality in Canada’s Prairie Provinces.” PI for Insight Grant: R. Walker. Co-investigator: Y.D. Belanger. **Total Grant Amount: \$343,968.**

2013. Canadian Institutes of Health Research (CIHR) Grant entitled, “Homelessness Research in Alberta: Prioritizing Health Indicators through Community-based Research and Knowledge Exchange Forums (KEF)s.” **Co-PI for CIHR Grant: Y.D. Belanger. Total Grant Amount: \$25,000.**

2012-2020. SSHRC Partnership Grant entitled “Borders in Globalization: Cultures, Governance, Market Forces, Security, and Sustainability.” PI for Partnership Grant: E. Brunet-Jailly. Collaborator: Y.D. Belanger. **Total Grant Amount: \$3.98 million.**

2012-2019. SSHRC Partnership Grant entitled “Neighbourhood Change, Diversity and Inequality in Global Cities.” PI for Partnership Grant: D. Hulchanski. Co-investigator: Y.D. Belanger. **Total Grant Amount: \$2.5 million.**

2012-2018. SSHRC Partnership Grant entitled “Urban Aboriginal Knowledge Network Research for a better life.” PI for Partnership Grant: D. Newhouse. Co-applicant: Y.D. Belanger. **Total Grant Amount: \$2.5 million.**

2012-2015. Alberta Gambling Research Institute (AGRI) Grant entitled “A Mixed Methods Study to Assess Urban Aboriginal Gambling in Canada’s Prairie Provinces.” **PI for AGRI Grant: Y.D. Belanger.** Co-applicant: R. Williams. **Total Grant Amount: \$138,821.**

2012. Alberta Homelessness Research Consortium (AHRC) Grant entitled, Assessing Urban Aboriginal Homelessness & Aboriginal Migration Patterns in Lethbridge.” **PI for AHRC Grant: Y.D. Belanger. Total Grant Amount: \$5,000.**

2010-2012. Alberta Rural Development Network (ARDN) Grant entitled, “Learning from What Works: Microcredit and Microfinance for Low-Income Entrepreneurs in South Western Alberta.” **PI for ARDN Grant: Y.D. Belanger.** Co-applicants: S. Pederson & S. Yanicki. **Total Grant Amount: \$8,175.**

2010-2011. Alberta Rural Development Network (ARDN) Grant entitled “RISE communications network in southern Alberta.” **Co-PI on Grant: Y.D. Belanger,** with S. Ferzacca & D. Gregory. **Total Grant Amount: \$10,000.**

2008-2012. SSHRC Aid to Small University Grant entitled “Establishing a regional Aboriginal research centre.” PI on SSHRC Grant: D. Gregory. Co-principal applicant: Y.D. Belanger. **Total Grant Amount: \$62,000.**

2008-2012. SSHRC Standard Research Grant entitled “Aboriginal and non-Aboriginal Perspectives on Housing Needs and Barriers to Attainable Housing.” **PI for SSHRC Grant: Y.D. Belanger.** Co-applicants: J. Fiske & D. Gregory. **Total Grant Amount: \$97,500.**

2008-2011. Alberta Gaming Research Institute (AGRI) Grant entitled “Social & Economic Impacts of Gambling in Alberta (SEIGA).” PI for AGRI Grant: R. Williams. Co-investigator: Y.D. Belanger. **Total Grant Amount: \$685,000.**

INTERNAL GRANTS

2017-2018. University of Lethbridge Research Fund grant entitled “Evaluating the Urban Aboriginal Non-market Housing Experience in Calgary.” **Total Grant Amount: \$5,997.72**

2017. Chinook Summer Research Award entitled “Indigenizing Federalism: Institutionalizing Aboriginal Self-Government in the Post-Charter Era.” Student: K. Barr. **Total Grant Amount: \$5,625.**

2016. Chinook Summer Research Award entitled “Meaning of the International Border Separating Montana and Alberta.” Student: S. Nilsson. **Total Grant Amount: \$5,625.**

2015. Chinook Summer Research Award entitled “Assessing Rural Homelessness in Southern Alberta.” Student: K. Thompson. **Total Grant Amount: \$5,625.**

2015. SSHRC Student Training Grant entitled “Assessing Rural Homelessness in Southern Alberta.” Student: K. Dekruyf. **Total Grant Amount: \$5,000**

2009. Chinook Summer Research Award entitled “Collapse of the Kainai First Nation’s cattle ranching industry.” Student: J. Doherty. **Total Grant Amount: \$5,625.**

2006. SSHRC General Research Grant to assist with producing a concerning urban Aboriginal housing issues. **Total Grant Amount: \$6,500.**

2005-2006. University of Lethbridge Research Fund grant to research Southern Alberta Native attitudes about voting in provincial and federal elections. **Total Grant Amount: \$4,327.90**

2004-2005. Alberta Gaming Research Institute (AGRI) *Small Research Grant Award* to research Aboriginal gaming in Canada. **Total Grant Amount: \$6,000.**

PUBLICATIONS

Lifetime summary (count) according to the following categories:

- Scholarly books authored, edited or co-edited8
- Papers in refereed journals37
- Book chapters30
- Non-refereed contributions/reference works.....13
- Work in progress.....4
- Professional/Technical reports28
- Encyclopedia entries27
- Book reviews22
- Conference presentations/panel participant.....86

SCHOLARLY BOOKS (authored, edited or co-edited)

Belanger, Y.D. (2018). *Ways of Knowing: An Introduction to Native Studies in Canada*, 3rd Ed. Toronto: Nelson Education Ltd. 458 pp.

Belanger, Y.D., Lackenbauer, P.W. (eds.). (2014). *Blockades or Breakthroughs? Aboriginal Peoples Confront the Canadian State*. Kingston & Montréal: McGill-Queen’s University Press. 488 pp.

Belanger, Y.D. (2014). *Ways of Knowing: An Introduction to Native Studies in Canada*, 2nd Ed. Toronto: Nelson Education Ltd. 425 pp.

Belanger, Y.D. (ed.). (2011). *First Nations Gaming in Canada*. Winnipeg: University of Manitoba Press. 307 pp.

Belanger, Y.D. (2010). *Ways of Knowing: An Introduction to Native Studies in Canada*. Toronto: Nelson Education Ltd. 381 pp.

Belanger, Y.D. (ed.). (2008). *Aboriginal Self-government in Canada: Current Issues and Trends*, 3rd Ed. Saskatoon: Purich Publishing. 429 pp.

Belanger, Y.D. (2006). *Gambling with the Future: The Evolution of Aboriginal Gaming in Canada*. Saskatoon: Purich Publishing. 232 pp.

Oakes, J. Riewe, R., Belanger, Y.D., Legge, K. Blady, S., Stevens, L. (eds.). (2004). *Aboriginal Cultural Landscapes*. Winnipeg, MB: Aboriginal Issues Press. 347 pp.

PAPERS IN REFEREED JOURNALS

Belanger, Y.D. (slated for 2017). "Water Stewardship and Rescaling Management of Transboundary Rivers in the Alberta-Montana Borderlands." *Journal of Borderlands Studies* DOI: 10.1080/08865655.2017.1367709

Belanger, Y.D., Dekruyf, K. (2017). "Neither Citizen nor Nation: Urban Aboriginal (In)visibility and Co-production in a Mid-sized Southern Alberta City." *Canadian Journal of Native Studies* 37(1): 1-28.

Berdahl, L., Walker, R., Lashta, E., Newhouse, D., Belanger, Y.D. (2017). "Public Attitudes Towards Indigeneity in Canadian Prairie Urbanism." *Canadian Geographer - Le Géographe canadien*. 61(2): 212-223. DOI: 10.1111/cag.12360

Belanger, Y.D., Williams, R.J., Prusak, Y. (2016). "Tracking the Westernization of Urban Aboriginal Gambling in Canada's Prairie Provinces." *International Gambling Studies* 17(1): 1-19.

Williams, R.J., Belanger, Y.D., Prusak, Y. (2016). "Gambling and Problem Gambling among Canadian Urban Aboriginals." *Canadian Journal of Psychiatry* 61(11): 724-731.

Hale, G., Belanger, Y.D. (2015). *From "Social Licence" To "Social Partnership"? Promoting Win-Win Cultures Of Resource And Infrastructure Development*. Toronto: C.D. Howe Institute.

Belanger, Y.D. (2014b). "Are Canadian First Nations Casinos Providing Maximum Benefits? Appraising Canada's First Nations Casino Industry in Ontario, Saskatchewan, and Alberta, 1996-2010." *UNLV Gaming Research and Review* 18(2): 65-84. Reprinted in Robert Bone & Robert Anderson (eds.), *Natural Resources and Indigenous Peoples*. Don Mills, ON: Captus Press, 2016.

Newhouse, D.R., Belanger, Y.D., Ouart, P. (2014). "The Abandoned Ones: Non-Status Indians and Political Organizing." *Aboriginal Policy Studies* 3(3): 4-26.

Belanger, Y.D. (2014a). "Legislating and Regulating First Nations Gaming: The Mohawk Council of Kahnawá:ke's Experience, 1999-2013." *Gaming Law Review & Economics* 18(4): 369-382.

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CONFERENCE PRESENTATIONS/PANEL PARTICIPANT

October 18-21, 2017. Las Vegas, Nevada. "Indigenous Water Rights Reconsidered within the Context of Transboundary Water Management: A View from Alberta and Montana" (invited speaker). *Association for Canadian Studies in the United States (ACSUS)*, 24th Biennial Conference. Las Vegas, Nevada.

April 19-20, 2017. Calgary, Alberta. "Comparing the Effectiveness of Housing First as Found in Two Mid-sized Prairie Alberta Cities." Poster presented at the *Calgary Homeless Foundation (CHF)* 2017 Homelessness Research Symposium. Calgary, Alberta. With Aileen Burke.

April 19-20, 2017. Calgary, Alberta. "Aboriginal Housing and NIMBY in Calgary." Poster presented at the *Calgary Homeless Foundation (CHF)* 2017 Homelessness Research Symposium. Calgary, Alberta. With Kate Dekruyf & Ivan Townshend.

April 12-15, 2017. San Francisco, California. "Trans-border Indigenous Activism and Crude Oil Transportation in Canada: An Initial Appraisal" (invited speaker). *Western Social Science Association*, 59th Annual Conference. San Francisco, California (withdrew).

April 6-8, 2017 (scheduled). Banff, Alberta. "Gambling and Problem Gambling among Canadian Urban Aboriginals" (invited speaker). *Alberta Gaming Research Institute*, 16th Annual Conference on Gaming Research. Banff, Alberta.

June 22-24, 2016. Regina, Saskatchewan. "These are your tribal members?: Urban Aboriginal (In)Visibility an Co-production in a Mid-sized Southern Alberta City" (invited speaker). *Reconciliation through Research: Fostering miyo-pimatisiwin*. First Nations University, Regina, Saskatchewan. With Katherine Dekruyf.

June 22-24, 2016. Regina, Saskatchewan. "Does Subsidized Housing Aid Aboriginal Transition into the Urban Environment? A Front-Line Service Delivery Perspective from Lethbridge, Alberta, Canada" (invited speaker). *Reconciliation through Research: Fostering miyo-pimatisiwin*. First Nations University, Regina, Saskatchewan.

June 6-10, 2016. Las Vegas, Nevada. "Indian Gaming in the U.S. and Aboriginal Gaming in Canada: A Comparative Perspective" (invited speaker). *16th International Conference on Gambling and Risk Taking*. The Mirage Hotel, Las Vegas, Nevada. With Kathryn Rand & Stephen Light.

June 6-10, 2016. Las Vegas, Nevada. "Past as Prologue? Urban Aboriginal Gambling in Canada's Prairie Provinces" (invited speaker). *16th International Conference on Gambling and Risk Taking*. The Mirage Hotel, Las Vegas, Nevada. With Robert Williams.

April 7-9, 2016. Montreal, Quebec. Invited panel participant, "Indian Gaming in the U.S. and Aboriginal Gaming in Canada: A Comparative Perspective." *ABA Business Law Section, Spring Meeting*. Montreal. QC. (withdrew)

November 2-4, 2015. Montreal, Quebec. "Several of this band are putting up very good houses?: A Critical Review of Canadian First Nations and Aboriginal Housing Policy, 1867-present" (invited speaker). *National Conference on Ending Homelessness*. Montreal, Quebec.

October 15-16, 2015. Las Vegas, Nevada. "The Role of Cultural Consistency and Water Stewardship in the Alberta-Montana Borderlands" (invited speaker). *Association for Canadian Studies in the United States (ACSUS)*, 23rd Biennial Conference. Las Vegas, Nevada.

October 14, 2015. Calgary, Alberta. Invited panel participant, "The Canadian Federal Community." *Institute for Research and Public Policy Round Table*, University of Calgary, Alberta.

- May 26-27, 2015. Leduc, Alberta. "Reflecting on Rural Homelessness in Alberta and How We Understand It" (keynote speaker). *Alberta Rural Development Network (ARDN), Creating Rural Connections 2015: Rural Homeless is Real: What Can We Do About It?* Leduc, Alberta.
- April 22-23, 2015. Calgary, Alberta. "First Nations & Aboriginal Housing in Canada: A Catalogue of Negligence" (invited speaker). *Calgary Homeless Foundation, 2015 Research Symposium*. Calgary, Alberta.
- March 26-28, 2015. Banff, Alberta. Invited panel participant, "Does the Harm of Gambling Outweigh the Benefit?" *Alberta Gaming Research Institute, 14th Annual Conference on Gaming Research*. Banff, Alberta.
- March 26-28, 2015. Banff, Alberta. "Gauging the Success of First Nations Casinos in Canada" (invited speaker). *Alberta Gaming Research Institute, 14th Annual Conference on Gaming Research*. Banff, Alberta.
- March 24, 2015. Medicine Hat, Alberta. "Towards a Community Based Understanding of Youth Homelessness in Medicine Hat" (invited speaker). *South-Eastern Alberta Housing and Homelessness Research Forum*. Medicine Hat, Alberta.
- November 27, 2014. Toronto, Ontario. "Aboriginal Homelessness in Canada: A View from the Field" (invited speaker). Webinar, *Canadian Observatory on Homelessness National Launch*. York University, Toronto, Ontario.
- February 20, 2014. Winnipeg, Manitoba. "'All We Need Is Our Land': Exploring Southern Alberta Urban Aboriginal Homelessness" (invited speaker). *The Socio-Cultural And Geographical Dimensions Of Indigenous Homelessness in Canada, Australia and New Zealand*. Workshop at the University of Winnipeg, Manitoba.
- January 29, 2014. Red Deer, Alberta. "Toward a Community-Based Understanding of Youth Homelessness in Red Deer" (invited speaker). *Ending Youth Homelessness in Red Deer*. Alberta.
- November 12, 2013. Edmonton, Alberta. "Toward a Community-Based Understanding of Youth Homelessness in Alberta" (invited speaker). *Northern Alberta Housing and Homelessness Research Forum*. Edmonton, Alberta.
- October 30, 2013. Ottawa, Ontario. "Youth Homelessness Research in Alberta: Toward a Provincial Research Agenda" (invited speaker). *National Conference on Ending Homelessness*. Ottawa, Ontario. With David French & Kim Wirth.
- October 29, 2013. Ottawa, Ontario. "Co-production and Municipal Policy Responses to Urban Aboriginal Homelessness" (invited speaker). *National Conference on Ending Homelessness*. Ottawa, Ontario.
- October 17-18, 2013. Calgary, Alberta. "Thoughts on Aboriginal Homelessness in Canada" (invited speaker). Workshop and panel on Aboriginal homelessness, *Aboriginal Homelessness Research Network*, University of Calgary, Alberta.
- May 27-31, 2013. Las Vegas, Nevada. "Canadian Prairie Aboriginal Attitudes about Gambling and First Nations Casinos" (invited speaker). *15th International Conference on Gambling and Risk Taking*, Caesar's Palace, Las Vegas, Nevada.
- May 21, 2013. Lethbridge, Alberta. "Toward a Community-Based Understanding of Youth Homelessness in Alberta." *Southern Alberta Housing and Homelessness Research Forum*. Lethbridge, Alberta.
- October 5, 2012. Montreal, Quebec. Two hour private faculty seminar on Aboriginal gaming in Canada with faculty from Concordia University and University of Montreal, Quebec.
- October 3, 2012. Montreal, Quebec. "Blockades or Breakthroughs? Aboriginal People Confront the Canadian State, 1982-2012" (invited speaker). The First Peoples Studies Program (*In Collaboration with Dialogue*), Concordia University, Quebec.
- October 2, 2012. Ottawa, Ontario. "Blockades or Breakthroughs? Aboriginal People Confront the Canadian State, 1982-2012" (invited speaker). Aboriginal Conference Series, University of Ottawa, Ontario.
- April 17, 2012. Calgary, Alberta. "Why Don't Common Data Requirements Lead to Academic/Public Working Relationships?" (invited speaker). Leadership Summit on Ending Homelessness, *7 Cities on Housing and Homelessness*.

- April 12, 2012. Banff, Alberta. "History of Gambling Research with Indigenous Populations" (invited speaker). *Canadian Consortium for Gambling Research (CCGR)*, pre-Conference Workshop, Gambling and Problem Gambling Research With Indigenous Populations
- October 26, 2011. Leduc, Alberta. "Social and Economic Impacts of Gambling in Alberta" (invited speaker). *Alberta Gaming & Liquor Commission Annual Stakeholders Meeting*. With Robert J. Williams.
- September 24, 2011. Lethbridge, Alberta. "When Neoliberalism meets Neocolonialism: Alberta's regulation of First Nations Gaming, 1993-2010" (invited speaker)." *Prairie Political Science Association*, Annual Meeting. With Robert J. Williams.
- May 5, 2011. Fort Macleod, Alberta. "The Whiskey Trade, the RCMP, Treaty 7 and Southern Alberta History" (invited speaker). RCMP Fort Museum.
- May 4, 2011. Lethbridge, Alberta. "The Socio-Economic Impacts of Gaming for Alberta's First Nations" (invited speaker). *Gambling Research Group*, University of Lethbridge.
- April 27, 2011. St. Albert, Alberta. "Social and Economic Impacts of Gambling in Alberta" (invited speaker). *Alberta Gaming & Liquor Commission Meetings*, Alberta, Canada. With Robert J. Williams.
- April 27, 2011. Edmonton, Alberta. "Social and Economic Impacts of Gambling in Alberta" (invited speaker). *Aboriginal Affairs*, Alberta, Canada. With Robert J. Williams.
- April 8-9, 2011. Banff, Alberta. "How are the First Nation Casinos Faring? Economically, Socially and Politically" (invited speaker). *Alberta Gaming Research Institute*, Banff Conference on Internet Gambling.
- April 8-9, 2011. Banff, Alberta. "The Relationship Between Gambling and Crime in Alberta." Poster presented at the *Alberta Gaming Research Institute's 10th Annual Conference: Engaging the Big Questions in Gambling Studies, 2011*.
- March 17, 2011. Lethbridge, Alberta. "Lethbridge Shelter and Resource Centre Resident Profile, 2010" (invited speaker). *Social Housing in Action Leader* and *Alberta Health Services*, City of Lethbridge.
- February 8, 2011. Lethbridge, Alberta. "Lethbridge Shelter and Resource Centre Resident Profile, 2010" (invited speaker). *Social Housing in Action Leader's Council*, City of Lethbridge.
- December 1-3, 2010. Gold Coast, Australia. "Are First Nations Casinos Truly 'A Sure Thing'? Appraising Canada's First Nations Casino Industry, 1996-2010" (invited speaker). *National Association for Gambling Studies*
- October 8, 2010. Lethbridge, Alberta. "Building Inclusive Neighbourhoods: Challenging NIMBY in Lethbridge" (invited speaker). Coalition of Municipalities Against Racism and Discrimination, *Celebrating Diversity in Our Community*.
- June 2, 2010. Montreal, Quebec. "Urban Aboriginal Self-Governance in the Wake of the Conservative Party's Acceptance of the United Nations Declaration on the Rights of Indigenous Peoples: Some Preliminary Insights." Reframing the Issues: Emerging Questions for Métis, non-status Indian and urban Aboriginal Policy Research (invited speaker). *Canadian Federation for the Humanities and Social Sciences, Faculty of Native Studies, University of Alberta and the Office of the Federal Interlocutor for Métis and Non-Status Indians*.
- May 7, 2010. Fort Macleod, Alberta. "The Whiskey Trade, the RCMP, Treaty 7 and Southern Alberta History" (invited speaker). RCMP Fort Museum.
- April 15, 2010. Lethbridge, Alberta. "The NIMBY Gauntlet:^[1]^[2] The Process of Socially Excluding Native Renters in Lethbridge" (invited speaker). Southern Alberta Council on Public Affairs.
- March 3, 2010. Lethbridge, Alberta. "Urban Reserves in Lethbridge: An Analysis" (invited speaker). *Chamber of Commerce*, City of Lethbridge.
- March 2, 2010. Edmonton, Alberta. "The United Nations Declaration on the Rights of Indigenous Peoples (UNDRIP) and Urban Aboriginal Self-Determination in Canada: A Preliminary Analysis" (invited speaker). *Aboriginal Students Law Society Colloquium*, University of Alberta.

- February 24, 2010. Lethbridge, Alberta. "Combating NIMBY in Lethbridge: An Initial Strategy" (invited speaker). *Lethbridge Aboriginal Community Gathering*.
- December 16, 2009. Lethbridge, Alberta. "Combating NIMBY in Lethbridge" (invited speaker). Presentation of NIMBY's impacts on housing projects in Lethbridge to St. Michael's Health Centre administration.
- November 25, 2009. Calgary, Alberta. "NIMBY & Lethbridge: An Exploratory Study" (invited speaker). *Bringing Alberta Home: Closing the Front Door ... Opening the Back Door Through Housing First*.
- October 29, 2009. Saskatoon, Saskatchewan. "Breaching Reserve Boundaries: *Canada v. Misquadis* and the Evolution of the Urban Aboriginal Community" (invited speaker). *Indigenous Urbanization Internationally: Population, Community and Identity*.
- September 15, 2009. Lethbridge, Alberta. "NIMBY and Lethbridge: A Research Update" (invited speaker). Presentation of preliminary research findings to date to the Mayor's Office and the Alberta Housing Secretariat.
- July 10, 2009. Norwich, United Kingdom. "Outsiders in their Homeland: Discursive Construction of Aboriginal Women and Civic Rights" (invited speaker). *Indigenous Bodies: Reviewing, Relocating, Reclaiming*. With Jo-Anne Fiske & David Gregory.
- June 12, 2009. Calgary, Alberta. "Urban Aboriginal Populations and Gambling's Benefits: Assessing the Policy Implications of Alberta's First Nations Gaming Policy" (invited speaker). *New Directions in Aboriginal Policy*.
- May 29, 2009. Ottawa, Ontario. "A Reversal of Fortune: A Critical Analysis of NIMBY Discourse in Lethbridge." *Canadian Political Science Association*.
- May 29, 2009. Ottawa, Ontario. "Gambling on First Nations Participation: An Overview of SEIGA and Barriers to First Nations Engagement." *Canadian Political Science Association*.
- March 27, 2009. Banff, Alberta. "Virtual Sovereignty?: Exploring First Nations Internet Gaming Ventures in Canada" (invited speaker). *Alberta Gaming Research Institute*, Banff Conference on Internet Gambling.
- June 20-21, 2009. Lethbridge, Alberta. The Prentice Institute for Global Population and Economy: Dialogue Session. Discussant for two papers (1) Andrew Siggner, "An Overview of Demographic and Socio-Economic Conditions of the Aboriginal Population and Their Implications for Emergent Economic and Social Issues"; and (2) Michael Haan, "Immigrants and Housing in Canada."
- May 13, 2008. Calgary, Alberta. "Aboriginal Housing as a Measure of a Community's Public Health: A Lethbridge Case Study" (invited speaker). *Alberta Public Health Association (APHA)*, The New Faces of Homelessness: A Public Health Challenge.
- April 5, 2008. Banff, Alberta. "First Nations Gaming as Self-Government Imperative: Ensuring the Health of First Nations Problem Gamblers" (invited speaker). *Alberta Gaming Research Institute*, Gambling in Society: A Question of Balance.
- March 5, 2008. Calgary, Alberta. "Aboriginal Housing in Canada: Building on Promising Practices and Trends" (invited speaker). *Insight Information*, 5th Annual Conference on Aboriginal Housing.
- June 25, 2007. Lethbridge, Alberta. "Lethbridge Housing Needs Assessment, Spring 2007" (invited speaker). Presentation of research findings and recommendations to Lethbridge City Council.
- April 20, 2007. Kingston, Ontario. "Aboriginal Attitudes About the Canadian Forces: Ideas to (Re) Consider" (invited speaker). *School of Policy Studies, Queen's University*, Dialogue on Diversity in Canada's Armed Forces.
- March 1, 2007. Banff, Alberta. "Aboriginal Economic Development in Historical Perspective" (invited speaker). *Aboriginal Leadership and Management*, Applied Research Priorities for Aboriginal Economic Development Policy.
- October 3, 2006. Halifax, Nova Scotia. "Responsible Gambling and Aboriginal Gaming in Canada, 1979-2006" (invited speaker). *Responsible Gambling in Nova Scotia*. Halifax, Nova Scotia.

September 31, 2006. Ottawa, Ontario. “It’s my duty ... to be a warrior of the people’: Kainai Perceptions of and Participation in the Canadian Forces” (invited speaker). *Inter-University Seminar on Armed Forces and Society*.

September 9, 2006. Lethbridge, Alberta. “An all round Indian affair’: The Native Gatherings at Macleod, 1924 & 1925” (invited speaker). *The 2006 North American Gathering of the Henty Society*.

November 4, 2005. Lethbridge, Alberta. “Aboriginal Gaming: Who’s Cashing In?” (invited panel participant). *Royal Society of Canada*. University of Lethbridge, Alberta.

May 6, 2005. Edinburgh, Scotland. “The Politics of Accommodation: Working Toward a Policy of Aboriginal Inclusion” (invited speaker). *Centre of Canadian Studies*, University of Edinburgh. First Nations, First Thoughts.

March 17, 2003. Winnipeg, Manitoba. “Urban Aboriginal Youth in Winnipeg: Culture and Identity Formation in Cities.” Presentation of research findings to *Culture and Heritage Canada* (teleconferenced to Ministry office in Ottawa).

January 31, 2003. Anchorage, Alaska. “Aboriginal Self-Government in Canada: Gauging ‘Success’ From an Aboriginal Viewpoint” (invited speaker). *Institute of Social and Economic Research Conference Series*, University of Alaska, Anchorage, Alaska.

April 19, 2002. Saskatoon, Saskatchewan. “Aboriginal Organizations in Canada, 1867-1987: Toward an Understanding of an Organizing Ideology” (invited speaker). *Political Studies Department*, University of Saskatchewan.

January 2002. Peterborough, Ontario. “The importance of site to identity construction in northern Manitoba” (invited speaker). *Algonquian Identity seminar*, Trent University, Peterborough, Ontario.

March 2001. Peterborough, Ontario “Guided history methodology and its importance in creating culturally-relevant local histories” (invited speaker). *Pine Tree Lecture Series*, Trent University, Peterborough, Ontario.

October 17, 2000. Montreal, Quebec. “‘The Region Teemed With Abundance’: Interlake Saulteaux concepts of territory and sovereignty” (invited speaker). *32nd Algonquian Conference*, McCord Museum & McGill University, Montreal, Quebec.

October 2000. Peterborough, Ontario. “The media’s misrepresentation of the shooting of Dudley George.” *Native History in Canada seminar*.

March 2000. Winnipeg, Manitoba. “Saulteaux Land Use in Manitoba’s Interlake region: 1842-71.” *Issues in the North Colloquium*, University of Manitoba, Winnipeg, Manitoba.

March 2000. Winnipeg, Manitoba. “Fairford Saulteaux resistance to Church Missionary Society (CMS) influence: 1842-54.” *13th Annual Manitoba History Conference*, Winnipeg, Manitoba.

February 1999. Winnipeg, Manitoba. “Native Studies, graduate students and the issue of relationship.” *Issues in the North colloquium*. University of Manitoba, Winnipeg, Manitoba.

December 1998. Winnipeg, Manitoba. “Napi, Devolution, and Government Policy Reformation.” Presentation before the Indigenization and Devolution of Social Programs graduate seminar.

May 1998. Calgary, Alberta. “The Hippies Went Indian: Indianness and its Effect on the 1960’s Counterculture.” *The 1998 History Undergraduate Colloquium*.

April 1998. Lethbridge, Alberta. “The Media in Canada: A Critique of the Lethbridge Herald’s Editorial Policy Toward Native People” (invited speaker). Presentation before Mass Media in Canada seminar, *University of Lethbridge*.

November 1997. Lethbridge, Alberta. “My Life as a Stringer: Options & Opportunities for Canada’s Freelance Writers Covering Native Issues” (invited speaker). Presentation before the City Hall Reporting class, *Journalism Program, Lethbridge Community College*.

May 1997. Edmonton, Alberta. “Demarcation of Sacred Lands: The Fight for Religious Freedom.” *The 1997 History Undergraduate Colloquium*.

TEACHING EXPERIENCE

COURSES TAUGHT

- 2018 Canadian Politics & Government; Social Movements
- 2017 Media and Politics in Canada; Canadian Politics & Government; Social Policy in Canada; Reconciliation and the State (latter two scheduled for fall 2017)
- 2016 Social Policy in Canada; Social Movements; Municipal Indigenous Governance
- 2015 The Politics of Indigenous Protest; Media and Politics in Canada (*Sabbatical leave, July-December 2015*)
- 2014 Introduction to Native American Studies (x2); Canadian Indian History; Aboriginal Peoples and Natural Resources
- 2013 Canadian Indian History, Prairie Indian Treaties (x2); Native Politics in Canada
- 2012 Introduction to Native American Studies (x2); Aboriginal Peoples and Natural Resources; Traditional Aboriginal Political Economy; American Indian History
- 2011 Traditional Aboriginal Political Economy; Native Politics in Canada (*Sabbatical leave, July-December 2011*)
- 2010 Traditional Aboriginal Political Economy; Canadian Indian History; Introduction to Native American Studies; Prairie Indian Treaties
- 2009 Native Politics in Canada; Introduction to Native American Studies (x2); Administrative Aspects of First Nations' Governments; The Métis
- 2008 Traditional Aboriginal Political Economy; Aboriginal Peoples and Natural Resources; Introduction to Native American Studies; Canadian Indian History; Prairie Indian Treaties
- 2007 Aboriginal Political Organizations in Canada; Introduction to Native American Studies; Native American History (USA)¹ (*Sabbatical leave, July-December 2007*)
- 2006 Native American Health; Native Politics in Canada; The Métis; Canadian Indian History; Aboriginal Peoples and Canadian Politics¹
- 2005 Prairie Indian Treaties; Introduction to Native American Studies; Administrative Aspects of First Nations' Governments
- 2004 Native Politics in Canada; Canadian Indian History; The Evolution of Indian Policy in the U.S. and Canada¹; Political Change in a Global Era (x2)¹
- 2003 Political Change in a Global Era¹; The Interface of Aboriginal Organizations in Canada¹; Introduction to Native Studies²; Urban Aboriginal Self-Government in Canada²; Introduction to Native Studies I³; Introduction to Native Studies II³; Aboriginal People, Environment, and Economy⁴; Native Politics in Canada⁴
- 2002 Introduction to Native American Studies; Introduction to Native Studies I³; Introduction to Native Studies II³; Topics in Aboriginal Identity⁴
- 2001 Introduction to Native Studies I³; Introduction to Native Studies II³; Introduction to Native American Studies
- 2000 Introduction to Native American Studies; The Native Peoples of Canada, Pt. I⁴; The Native Peoples of Canada, Pt. II (x2)⁴
- 1999 The Native Peoples of Canada, Pt. I⁴; The Native Peoples of Canada, Pt. II⁴

¹ University of Saskatchewan

² Trent University

³ Brandon University

⁴ University of Manitoba

STUDENT/THESIS SUPERVISION

- 2016 – current. M.A. THESIS SUPERVISOR (Aileen Burke). Political Science, University of Lethbridge.
- 2014 – current. Ph.D. Committee Member (Ben Fawcett). Geography and Planning, University of Saskatchewan.
- 2014 – 2017. M.A. THESIS SUPERVISOR (Kathryn Dekruyf). Native American Studies, University of Lethbridge. Successfully defended April 2017.
- 2009 – 2012. M.Sc. Committee Member (Jennifer Arthur). Faculty of Health Sciences, University of Lethbridge. Successfully defended 14 June 2012.
- 2010 (Sept) – 2012. M.Sc. THESIS SUPERVISOR (Spencer Edelman). Faculty of Health Sciences, University of Lethbridge. *Thesis*: “The Residential School Settlement with Yukon First Nation Survivors: A Positive Form of Relationship Renewal?” Successfully defended 5 June 2012.
- 2008 – 2011. M.A. THESIS CO-SUPERVISOR (Gabrielle Weasel Head). Native American Studies, University of Lethbridge. *Thesis*: “‘All We Need is Our Land’: An Exploration of Urban Aboriginal Homelessness.” Successfully defended 21 March 2011.
- 2009 – 2010. Undergraduate thesis supervisor (Jeffrey Doherty). Native American Studies. Successfully defended April 2010.

CV: CHRISTENSEN

2005 – 2008. M.A. Committee Member (Annabelle Crop Eared Wolf). Native American Studies, University of Lethbridge. Successfully defended May 2008.

2006 – 2007. M.A. Site Supervisor (Janene Moch). Diploma in Investigative & Forensic Accounting, University of Toronto. Successfully completed program requirements August 2007.

2003 – 2004. M.A. Committee Member (Cathy Nilson). Political Studies, University of Saskatchewan. Successfully defended May 2004.

EXTERNAL EXAMINER

2017. External Examiner, M.A. Thesis, University of Winnipeg, Manitoba.

2014. External Examiner, Ph.D. Thesis, Charles Darwin University, Darwin, Australia.

2011. External Examiner, Ph.D. Thesis, University of Calgary, Alberta.

ACADEMIC SERVICE

CURRENT COMMITTEES & ADMINISTRATIVE DUTIES

Chair, Chair Selection Committee, Geography (Fall 2017-spring 2018)

Arts and Science representative of the Faculty of Health Sciences Council, 1 September 2016-31 August 2018

PROFESSIONAL AND COMMUNITY COMMITTEES

Addressing Aboriginal Homelessness in Canada, Canadian Observatory on Homelessness (co-lead)(2013-present)

International Editorial Board Member, *International Gambling Studies Journal*, 2013-current

Australian Housing and Urban Research Institute (AHURI), editorial board member (2011-present)

Alberta Rural Development Network (ARDN), Regional Advisory Board (RAB), Homelessness Partnering Strategy, Alberta Rural & Remote Homelessness Funding (2014-2017)

Parkland Institute, Research Committee (2013-2016)

Southwest Alberta Community Loan Fund (SWACLF), Vice-president (2013-2015)

Canadian Homelessness Research Network, Collaborator (2011-2015)

Social Housing in Action Leadership Council (2013-2014)

Alberta Health Services-Social Housing in Action, committee member (2013-2014)

Southwest Alberta Community Loan Fund (SWACLF), Board Member (2011-2012)

Canadian Historical Association, Jurist, Aboriginal History Book Prize committee (Spring 2011)

Alberta Homelessness Research Consortium, Steering Committee (October 2010-2013)

Alberta Housing Secretariat, co-Chair Lethbridge Research Node (March 2010-2013)

Urban Resilience Research Building Indigenous Nations (University of Saskatchewan) (2008-2010)

City of Lethbridge, Social Housing In Action (SHIA) (2007-2012)

City of Lethbridge, Affordable Housing Policy Task Force (policy consultation group) (2007-2010)

City of Lethbridge, Affordable Housing Committee (2007-2009)

Council for the Advancement of Native Development Officers (CANDO) Standing Committee on Education & Research and National Co-ordinator: Competency Evaluation Committee (2002-2010)

University Support Committee USIC/Flying Dust First Nation (2003-2010)

PAST COMMITTEES & ADMINISTRATIVE DUTIES

Academic Quality Assurance Committee (AQAC), 1 July 2016-October 2017

Chief Negotiator, ULFA Handbooks Committee (2015)

Representative, Appointment Committee for the Vice-President (Research)(September 2014 – 2015)

Chair Selection Committee, Religious Studies (Spring 2015)

Chair Selection Committee, Political Science (Spring 2015)

ULFA Handbooks Committee (July 2013-2015)

Vice-President Research (VPR) Research Advisory Committee (Fall 2011-2015)

Native American Studies Faculty Search Committee (Spring 2014)

Salary Tenure Promotion (STP) Committee (Spring 2013)

Committee of Research and Teaching, Faculty of Arts and Science (Summer 2010-2012)

General Faculties Council, General Liberal Education Requirement committee (University of Lethbridge 2010-2012)

Chair Selection Committee, Sociology (Spring 2011)

Gender and Diversity Caucus (ULFA 2010-2011)

Chair Selection Committee, Political Science (Spring 2010)

ULFA Study Leave Relocation Committee (2008-2009)
First Nations, Métis & Inuit (FNMI) Support Committee (2007-2009)
Native American Studies Faculty Search Committee (Spring 2008)
Salary Tenure Promotion (STP) Committee (Spring 2007)
Native American Studies Chair Selection Committee (Spring 2012, 2011, 2007, 2005)
Travel Committee (University of Lethbridge 2006-2008)
Canadian Studies (University of Lethbridge 2006-2008)

JOURNAL EDITORIAL DUTIES

International Editorial Board, *International Gambling Studies* (2013-current)
Book Review Editor, *Native Studies Review* (2007-2012)
Guest Editor, *Journal of Aboriginal Economic Development: First Nations Gaming* (2002)
Co-editor, *Journal of Aboriginal Economic Development* (2002-2010)

JOURNAL/ACADEMIC PRESS/ACADEMIC AGENCY REVIEWER

Aboriginal Issues Press, University of Manitoba (2)
Aboriginal Policy Studies (2)
American Indian Culture and Research Journal (1)
Asian Journal of Gambling Issues and Public Health (1)
Australian Housing and Urban Research Institute (report reviewer 2011-2014, 2016) (7)
Canadian Geographer (1)
Canadian Homelessness Research Network (Toronto) (3)
Canadian Journal of Native Studies (2)
Canadian Public Policy (4)
Canadian Journal of Political Science (4)
City & Society (1)
Critical Social Work (3)
Environment and Planning A (1)
Fraser Institute (1)
Frontier Centre (1)
Great Plains Quarterly (1)
Health & Place (2)
Institute on Governance (Ottawa) (1)
Institute on Research for Public Policy (IRPP) (1)
International Gambling Studies (5)
Journal of Aboriginal Economic Development (7)
Journal of Canadian Studies (2)
Journal of Gambling Studies (1)
Journal of Housing and the Built Environment (1)
Journal of Law and Social Policy (1)
Journal of Rural and Community Development (1)
Macdonald-Laurier Institute (1)
McGill-Queen's University Press (book manuscripts) (2)
Native Law Centre (University of Saskatchewan) (book manuscript 2017)
Native Studies Review (3)
Oxford University Press (book manuscripts) (3)
Pearson Education (book manuscript 2008)
Publius: The Journal of Federalism (3)
Saskatchewan Institute of Public Policy (1)
The International Indigenous Policy Journal (2)
Thompson Nelson Education (1)
UNLV Gaming Research and Review Journal (2)
University of British Columbia Press (book manuscript 2017)
University of Ottawa Press (book manuscript 2017)
University of Saskatchewan Native Law Centre (book manuscript 2017)
University of Toronto Press (book manuscript 2017)
Urban Planning (1)

GRANT REVIEWER

SSHRC Standard Research Grants Program reviewer (2017, 2010, 2008, 2006)
Marsden Fund (Royal Society, NZ) (2017)
MITACS (Acceleration Proposal Grant) (2017)
M.S.I. Foundation (2017)
Canada Council Killam Prize (2016)
Australian Housing and Urban Research Institute (2011-2017)
Ontario Problem Gambling Research Centre (2013, 2010)
Alberta Centre for Child, Family & Community Research (2013)

COMMUNITY AND UNIVERSITY SERVICE

Expert Witness

- Invited participant for #letstalkhousing National Housing Strategy. *Canada Mortgage and Housing Corporation (CMHC)*. September 28, 2016.
- Invited presentation on The Study of Crude Oil in Canada. *The Senate of Canada*. Ottawa, Ontario. April 13, 2016.
- For Fasken Martineau DuMoulin LLP, civil claim BC/Yukon Association of Drug War Survivors v. City of Abbotsford (2014-2015). *Supreme Court of B.C.*
- For Rochon/Genova LLP, class action suit against Ultimate Bet (2013-2015). *Superior Court of Ontario*.

MEDIA COVERAGE (228 appearances)

Work highlighted or opinions sought from media outlets such as *The National* with Peter Mansbridge, CBC Radio International and CBC Canada (provincial/national), Radio UAS 96.1 (Sinaloa, Mexico), Aboriginal Peoples Television Network (APTN), *Prime Time Alberta*, *Globe and Mail*, *National Post*, *Financial Post Magazine*, *Municipal Monitor*, *Optimum Online: The Journal of Public Sector Management*, and *Maisonneuve: A Quarterly of Arts, Opinion & Ideas*.

- “Name recognition goes a long way.” *Lethbridge Herald* 17 October 2017.
- “U of L scholars named to Royal Society of Canada.” *Lethbridge Herald* 17 September 2017.
- “Essays on Indigenous struggles offer both insight and oversight.” *Canadian Dimension* March 13, 2017.
- “The remarkable life of Levi ‘Deskahé’ General: Friends and foes.” *Two Row Times* 12 April 2017.
- “Sand Hills posts deficit, looks to rebound.” *Brandon Sun* December 3, 2016.
- “First Nations and Community Engagement for Large Scale Projects.” *Municipal Monitor*, Q4 (2016): 12-14.
- 88.7 CFUR, Prince George News. 2 September 2016 (discussion about Aboriginal homelessness: 2 minutes).
- “Indigenous Calgarians struggle to find their cultural identity.” *CBCNews Calgary* July 10, 2016.
- “Study explores homelessness in Fort Macleod.” *The Macleod Gazette* January 27, 2016.
- CTV News (CFCN). “Small towns, big need for affordable housing.” January 6, 2016.
- “First Nations casinos in Alberta see the most profit.” *Alberta Sweetgrass* December 2015.
- “Carberry casino a loser.” *Winnipeg Free Press* December 15, 2015.
- “Aboriginal casino policy need overhaul.” *Brandon Sun* December 15, 2015.
- “\$1.3M loss for Sand Hills Casino.” *Brandon Sun* December 12, 2015.
- “Social relationships key to economy.” *Lethbridge Herald* December 8, 2015.
- 770 Calgary, Alberta Morning News. 5 December 2015 (discussion about recently released CD Howe report on social partnerships: 5 minutes).
- “Moving from NIMBY to Yes: Stronger Social Partnerships Needed to get Resource Projects off the Ground.” *Canadian Press* December 1, 2015.
- “Moving from NIMBY to Yes: Stronger Social Partnerships Needed to get Resource Projects off the Ground.” *NorthumberlandView* December 1, 2015.
- “First Nations Casinos.” *Gaming Post* November 2, 2015.
- “‘The action need to take place,’ says residential school survivor on commission findings.” *Calgary Herald* June 2, 2015.
- *Global News* Lethbridge June 2, 2015 (interview about the recently released TRC report: 1 minute).
- “Council, committee will talk affordable housing.” *Fort Macleod Gazette* May 20, 2015: A12.
- “What’s in a name? School divisions have decision to make.” *Saskatoon Star Phoenix* May 15, 2015.
- “Substandard facilities challenge First Nations officers.” *Calgary Herald* May 14, 2015.
- “Homeless youth a unique group.” *Lethbridge Herald* March 4, 2015.
- “Funding cut for First Nations groups.” *Fast Forward Weekly* January 29, 2015.
- ACCESS TV (CTV): *Prime Time Alberta*. February 10, 2014 (interview about the First Nations Education Act: 9 minutes).
- “Homeless strategy on the right track: research.” *Red Deer Advocate* January 29, 2014.
- BIG 105 (FM). January 29, 2014 (discussion about youth homelessness in Red Deer: 1 minute).

- KG Country 95.5 (FM). January 29, 2014 (discussion about youth homelessness in Red Deer: 1 minute).
- “Eagle River Casino Near Edmonton May Close Due to Bankruptcy.” *First Perspective* January 27, 2014.
- CBC-Edmonton (radio). January 24, 2014 (interview about Alexis FN filing bankruptcy: 2 minutes).
- “Carrying the Commitment.” *Canadian Diversity* 11, no. 4 (Winter 2016): 19-20.
- “Eagle River Casino seeks bankruptcy protection.” *CBC-News*. January 24, 2014.
- “Enoch Cree Nation celebrating major achievement.” *Global News* January 17, 2014.
- 570 News/Talk/Sports (radio). January 17, 2014 (interview about new VLT centre in Halifax: 1 minute).
- *Global News* January 17, 2014 (interview about Enoch FN taking over full ownership of casino: 2 minutes).
- “New VLT centre opens in Halifax despite outcry from neighbourhood.” *Vancouver Sun*, January 17, 2014. Reprinted same day *Edmonton Journal*, *Calgary Herald*, *Ottawa Citizen*, *Whitehorse Star*, and *Saint John Telegraph Journal* (Jan. 18, 2014).
- CTV News (Atlantic). January 17, 2014 (interview about new VLT centre in Halifax: 2 minutes).
- “Groups honoured for helping homeless.” *Lethbridge Herald* November 22, 2013.
- “U of L researchers land funding.” *Lethbridge Herald* October 16, 2013.
- CTV Lethbridge (CFCN). October 1, 2013 (interview about Riverstone NIMBY concerning proposed development: 1 minute).
- “Aboriginal communities face a fundamental dilemma.” *South Peace News* August 28, 2013.
- “U of L researcher part of national homelessness initiative.” *Lethbridge Herald* July 31, 2013.
- ACCESS TV (CTV): *Prime Time Alberta*. July 16, 2013 (interview about proposed and its impact in Alberta: 12 minutes).
- QR77 Newstalk Calgary (radio). July 13, 2013 (interview about the Canadian Observatory on Homelessness: 5 minutes).
- CJOC (radio). July 12, 2013 (interview about the Canadian Observatory on Homelessness: 1 minute).
- The A-Channel (CITY-TV). July 11, 2013 (interview about the Canadian Observatory on Homelessness and disaster preparedness: 1 minute).
- “University of Lethbridge Researchers and Community Partners to Play Key Role in National Homelessness Initiative.” *Lethbridge Living* July 11, 2013.
- “Racism in Alberta causing social ills.” *Lethbridge Herald* May 21, 2013.
- “The week ahead.” *Hill Times* April 13, 2016.
- “Unclear picture on Aboriginal homelessness.” *Lethbridge Herald* April 9, 2013.
- “All bets are on: Do casinos pay off for cities?” *Financial Post Magazine* April 3, 2013 (mention of SEIGA Report).
- “When it comes to casinos, natives feel like they’ve got game.” *Globe and Mail* March 7, 2013.
- ACCESS TV (CTV): *Prime Time Alberta*. January 18, 2013 (interview about Idle No More and its impact: 16 minutes).
- Edmonton AM (CBC-Radio). January 4, 2013 (interview about Wildrose Party’s Keno expansion proposal: 6 minutes).
- The Eyeopener (CBC-Radio Calgary). January 4, 2013 (interview about Wildrose Party’s Keno expansion proposal: 8 minutes).
- CTV Lethbridge (CFCN) December 26, 2012 (interview about impact of social media and Idle No More: 2 minutes).
- ACCESS TV (CTV): *Prime Time Alberta*. December 21, 2012 (interview about Idle No More: 7 minutes).
- “Casino factors.” *Brandon Sun* November 19, 2012.
- “Broken promise.” *Brandon Sun* November 14, 2012.
- “Company given lucrative casino contract.” *Brandon Sun* November 13, 2012.
- CBC Winnipeg (radio). November 2, 2012 (interview about new FN casino agreement: 6 minutes).
- Aboriginal Peoples Television Network (APTN) National News. October 25, 2012 (interview about cyber bullying: 3 minutes).
- CTV-Lethbridge (CFCN) September 13, 2012 (interview about social media and racism after the grassfire in Lethbridge: 4½ minutes).
- ACCESS TV (CTV): *Prime Time Alberta*. September 12, 2012 (interview about social media and racism after the grassfire in Lethbridge: 7 minutes).
- CTV-Lethbridge (CFCN) September 12, 2012 (interview about social media and racism after the grassfire in Lethbridge: 2½ minutes).
- “Alberta is getting rich off vulnerable problem gamblers.” *Calgary Herald* July 6, 2012.
- ACCESS TV (CTV): *Prime Time Alberta*. June 27, 2012 (interview about Alberta Aboriginal on reserve school attendance and educational outcomes: 14 minutes).
- “Western Canadians never far from a casino.” *Toronto Star*. March 26, 2012.
- ACCESS TV (CTV): *Prime Time Alberta*. February 25, 2012 (interview about the Truth and Reconciliation Commission’s (TRC) interim report: 5 minutes).
- “Growing urban Aboriginal population focus of U of L research.” *Alberta Sweetgrass* February 2012.
- ACCESS TV (CTV): *Prime Time Alberta*. December 1, 2011 (interview about the FNDF revenue agreement: 15 minutes).
- “Alberta chiefs reviewing distribution of casino revenues.” *Alberta Sweetgrass* December 2011. A1.
- “Alberta chiefs challenge gaming policy.” *Calgary Herald* November 27, 2011. Reprinted in *Montreal Gazette* Nov. 27, 2011; and the *Vancouver Sun* Nov. 28, 2011.

- “From Stoney Nakoda youth, a call for unity ... and an overhaul.” *Calgary Herald* November 13, 2011.
- CKUA 99.3 FM, October 26, 2011 (interview about Centre for Urban Aboriginal Research symposium: 90 seconds)
- CBC-Calgary (radio), October 20, 2011 (interview about Centre for Urban Aboriginal Research symposium: 1 minute).
- CTV-Lethbridge (CFCN) October 20, 2011 (interview about Centre for Urban Aboriginal Research symposium: 1 minute).
- Country 95.5 FM, October 20, 2011 (interview about Centre for Urban Aboriginal Research symposium: 1 minute).
- “Seeds of change?” *Lethbridge Herald* October 21, 2011.
- “New centre opens at U of L.” *Lethbridge Herald* October 19, 2011.
- “Casino model needs overhaul.” *Brandon Sun* October 18, 2011.
- “Not all First Nations reaping casino benefits.” *CBCNews* October 18, 2011
- CBC-Manitoba (TV), October 18, 2011 (interview about lack of circulating casino revenues: 5 minutes).
- CBC-Manitoba (radio), October 18, 2011 (interview about lack of circulating casino revenues: 5 minutes).
- “New Research Centre in Lethbridge focuses on urban aboriginal issues.” *PrairiePost.com* October 17, 2011.
- “Management fees eat up First Nations casino profits.” *CBCNews* October 17, 2011.
- CBC-Manitoba (TV), October 17, 2011 (interview about casino revenues paid to American operator: 6 minutes).
- CBC-Manitoba (radio), October 17, 2011 (interview about casino revenues paid to American operator: 6 minutes).
- QR-77 Country 105 FM (Calgary), October 15, 2011 (interview about the Centre for Urban Aboriginal Research symposium: 5 minutes).
- “Chief criticizes Alberta government’s decision to end aboriginal affairs as stand-alone ministry.” *Edmonton Journal* October 14, 2011.
- CBC-Regina (radio), *Blue Sky: Wide Open Radio* with Garth Materie, October 3, 2011 (interview on call-in show about recent SIGA difficulties: 25 minutes).
- “Going It Alone.” *Maisonneuve: A Quarterly of Arts, Opinion & Ideas* September 15, 2011. pp. 40-45.
- CBC-Saskatchewan (radio), *The Morning Edition* with Sheila Coles, September 15, 2011 (interview about FSIN complaints about SIGA spending: 8 minutes).
- “End ‘paternalistic’ system.” *Nanaimo Daily News* July 13, 2011: A9.
- “Dump department of Aboriginal Affairs, urges AFN boss.” *Montreal Gazette* July 12, 2011. Reprinted in the *Vancouver Sun*, *Windsor Star & Calgary Herald* July 13, 2011.
- The A-Channel (CITY-TV). May 2, 2011 (interview about the SEIGA study final report and recommendations: 1 minute).
- “Charities can’t win for losing.” *Edmonton Journal* April 30, 2011.
- 660 News (Lethbridge). April 30, 2011 (news spot entitled The Problem with Problem Gamblers: 30 seconds).
- “Small group of gamblers responsible for most of the money wagered in casinos, lotteries and VLTs: study.” *Edmonton Journal* April 29, 2011. Reprinted in the *Regina Leader-Post* April 29, 2011; and the *Calgary Herald* Apr. 30, 2011.
- *Radio-Canada*. April 29, 2011. “10% des joueurs responsables de la majorité des recettes provinciales de jeu.”
- “One-tenth of gamblers responsible for biggest chunk of Money.” *Red Deer Advocate* April 29, 2011.
- “Alberta study finds one-tenth of gamblers responsible for biggest chunk of money.” *Canadian Press* April 28, 2011.
- “First Nations feel out of touch with election.” *Ottawa Citizen* April 22, 2011. Reprinted in the *Vancouver Sun*, *The Province*, *Calgary Herald*, *Regina Leader-Post*, *Victoria Times-Colonist*, *Saskatoon Star-Phoenix*, *Edmonton Journal*, *Windsor Star*, and *Montreal Gazette* April 23, 2011.
- “First Nations gaming in Canada.” *Alberta Sweetgrass* April 2, 2011.
- “Socioeconomic impacts of gambling in Alberta analyzed in comprehensive Institute-funded research report.” *Gambling Research Reveals* 19, no. 3 (February/March 2003), pp. 1-3.
- “Taking a chance on the future.” *Lethbridge Herald* March 7, 2011.
- “Politics aside.” *The Daily Graphic/Central Plains Herald-Leader* March 5, 2011.
- “Opening a dialogue of respect.” *The Legend* February 2011.
- “Research shows that NIMBY exists here.” *Lethbridge Herald* February 11, 2011. A5.
- “From the library ...” *Gambling Research Reveals* 10, no. 2 (December 2010/January 2011), p. 3.
- “Change won’t be easy for new chief, council.” *Lethbridge Herald* January 7, 2011. A1.
- “Fiscal secrets of First Nations.” *Telegraph-Journal* December 11, 2010. A1.
- “Stoney leaders file \$1M travel tabs.” *Calgary Herald* December 9, 2010. Reprinted in the *Ottawa Citizen* and *Saskatoon Star-Phoenix* Dec. 9.
- ACCESS TV (CTV): *Prime Time Alberta*. December 1, 2010 (interview about the Alberta Métis hunting decision: 4 minutes).
- “Community Minded: Research project examines reactions to First Nations renters and homeowners with an eye to creating greater inclusion.” *Southern Alberta Magazine* 2, no. 1 (2010).
- “Eighty native leaders, most in Alberta, earn more than PM.” *Calgary Herald* November 23, 2010. Reprinted in the *Saskatchewan Leader-Post* Nov. 23, 2010.
- “Natives roll the dice on life after AC – After Casino.” *Montreal Gazette* November 23, 2010. Reprinted by *Global News* Nov. 23, 2010.

- “Ottawa can step in for First Nations finance illegalities.” *National Post* November 23, 2010. Reprinted in the *Vancouver Sun* Nov. 23 and the *Financial Post* Nov. 24, 2010.
- CKXU Lethbridge, *Ravine*. November 17, 2010 (interview about the UNDRIP and NIMBY research in Lethbridge).
- “Curb provincial power over army, says ex-senior bureaucrat.” Aboriginal Peoples Television Network (APTN) National News. October 5, 2010.
- “Casino New Brunswick Debuts.” *Global Gaming Business* June 2010.
- “Casino a likely winner: expert.” *Telegraph-Journal* May 4, 2010. A1.
- CBC-Canada (Cape Breton). April 30, 2010 (interview about Membertou First Nation installation of VLTs).
- “Poverty and Plenty: A tale of two reserves.” *A King’s Journalism Investigation*. April 2010.
- “It’s a NIMBY world for natives, says researchers.” *Lethbridge Herald* April 16, 2010. A3.
- CTV-Lethbridge (CFCN). April 16, 2010 (interview about NIMBY in Lethbridge: 1 minute).
- The Source 94.1 FM. April 15, 2010 (interview about NIMBY in Lethbridge: 30 seconds).
- Rogers Cable, Lethbridge. April 15, 2010 (interview about NIMBY in Lethbridge: 5 minutes).
- “Exploring an ugly issue.” *Lethbridge Herald* April 14, 2010.
- CTV-Calgary (CFCN). March 17, 2010 (interview about racism in Lethbridge: 2 minutes).
- “Gaming an engine for development, expert says.” *Telegraph-Journal* February 23, 2010. A3.
- “Policing their own.” *Lethbridge Herald* February 8, 2010. A1.
- “This just in: Massive book on Canadian politics out in April.” *The Hill Times* February 8, 2010. 2.
- “Aboriginal gang violence in southern Alberta misunderstood.” *The Endeavour* December 10, 2009.
- CTV-Calgary (CFCN). December 1, 2009 (interview about housing issues in Lethbridge: 1 minute).
- Aboriginal Peoples Television Network (APTN) National News. December 1, 2009 (interview about recent court decision and race relations in Lethbridge: 3 minutes).
- Aboriginal Peoples Television Network (APTN) National News. November 30, 2009 (interview about recent court decision and race relations in Lethbridge: 5 minutes).
- CTV-Calgary (CFCN). November 27, 2009 (interview about recent court decision and race relations in Lethbridge: 2 minutes).
- “Trouble Brewing?” *Lethbridge Herald* November 19, 2009. A1.
- CBC-Saskatchewan (radio), *The Morning Edition* with Sheila Coles, August 26, 2009 (interview about FSIN’s desire to acquire jurisdiction over provincial reserve casino operations: 5 minutes).
- CBC-Canada (Montreal), *L’Heure Des Comptes*, July 27, 2009 (interview about AFN leadership change and First Nations economic development potential: 10 minutes).
- “New First Nations chief seeks to unify people after tight vote.” *Calgary Herald* July 24, 2009.
- CBC-Regina, *Blue Sky: Wide Open Radio*, July 23, 2009 (interview about recent Statistics Canada report indicating a 10-fold increase in per-capita gambling expenditures in SK: 10 minutes).
- “Jarring jail rates.” *Lethbridge Herald* July 22, 2009.
- CBC-Canada (French), July 17, 2009 (interview about upcoming AFN election in Calgary: 15 minutes).
- *Calgary Herald*, July 8, 2009 (background interview about upcoming AFN election in Calgary).
- CBC-Calgary, July 7, 2009 (interview about establishment of housing ombudsman at Tsuu T’ina First Nation: 2 minutes).
- ACCESS TV (CTV): *Prime Time Alberta* (participating panellist discussing the state of urban and reserve Aboriginal housing in Alberta: 10 minutes). April 24, 2009.
- “Blood election concerns unfounded.” *Lethbridge Herald* November 20, 2008.
- CBC-Edmonton, *Edmonton A.M.* November 13, 2008 (interview about and update about SEIGA preliminary data report: 5 minutes).
- CBC-Calgary, *Calgary Eye Opener*, November 13, 2008 (interview about Bill C-31 and Tsuu T’ina membership debate: 5 minutes).
- CBC-Alberta, October 31, 2008 (interview about Bill C-31 and Tsuu T’ina membership debate: 5 minutes).
- CBC-Regina, September 30, 2008 (interview about First Nations blockades in Saskatchewan: 5 minutes).
- “Alienated nations: Disengaged natives seldom vote in provincial or federal elections.” *Calgary Herald* September 7, 2008: B1-2.
- “Gambling Research at the U of Lethbridge.” *Gambling Research Reveals* 7, no. 5 (June/July 2008), p. 3.
- “Smoking ban shortchanges local casinos.” *Edmonton Journal* August 26, 2008.
- CBC-Canada, *Revision Quest*, July 29; repeated August 1, 2008 (interview about First Nations gaming in Canada: 5 minutes).
- CHQR Radio-Calgary, June 24, 2008 (interview about problem gambling in Alberta and an update on the AGLC provincially-funded socio-economic research project: 10 minutes).
- “Who’s doing what? A Look at Some of the Interesting Work Taking Place.” *Lethbridge Herald: Progress Edition* June 10, 2008: E2.
- “City professors part of gambling study.” *Lethbridge Herald* May 18, 2008. A3.
- “First Nations Gaming.” *Regina Leader Post* May 8, 2007: E6.

- Aboriginal Peoples Television Network (APTN), Winnipeg, Manitoba. *APTN National News: Contact* (participant panellist on investigative television program discussing Aboriginal casinos in Canada: 1 hour) February 27, 2008.
- “Aboriginal Economic Development Focus of Dr. Yale Belanger’s First-in-Canada Native American Studies.” Notice Board, University of Lethbridge February 25, 2008. [online] <http://www.uleth.ca/notice/display.html?b=13&s=9474>
- “Q & A on native casinos with Yale Belanger, professor of Native American studies.” *National Post* February 20 2008. Online www.nationalpost.com
- “Natives roll the dice on life after AC – After Casino.” *National Post* February 16, 2008. A8-A9. Reprinted *Financial Post* Feb. 16, 2008.
- “A kind of loophole.” *National Post* February 16, 2008. A7
- CBC-Winnipeg, February, 2008 (interview about Aboriginal gaming in Manitoba specifically and Canada generally: 10 minutes).
- “Lure of the city growing.” *Lethbridge Herald* January 16, 2008. A1.
- “More effort urged to keep languages.” *Calgary Herald* January 16, 2008.
- CBC-Winnipeg, January 9, 2008 (interview about proposed Aboriginal casino in Brandon, Manitoba: 3 minutes).
- “Great Minds, No Walls.” *FLAT: Furthering Innovation and Teaching* 1, no. 1 (Fall 2007).
- CBC-Regina, Saskatchewan, October 5, 2007 (interview about Aboriginal gaming in Saskatchewan specifically and Canada generally: 10 minutes).
- CJOB-Radio, Winnipeg, Manitoba, August 17, 2007 (interview about recent profits announced by South Beach and Aseneskak Casinos in Manitoba: 10 minutes).
- Liz Katynski, “Doubling Down: Authors asks is Aboriginal gaming is worth the gamble.” *Prairie Books Now* (Spring 2007).
- “First Nations feeling the brunt of substandard housing, says professor.” *Lethbridge Herald* June 27, 2007.
- “Lack of affordable housing critical.” *Lethbridge Herald* June 27, 2007. A1.
- CBC Radio Canada International (RCI), June 26, 2007 (interview about First Nations reserve economic development: 6 minutes).
- Global Television Network, Lethbridge (CISA-TV), Lethbridge. June 25, 2007 (interview about low-income housing study presented to Lethbridge City Council: 1 minute)
- CBC-Moncton (radio), June 5, 2007 (interview about potential First Nations casino in New Brunswick).
- University of Saskatchewan international curriculum project. May 30, 2007 (45 minute video interview about Aboriginal identity development in Winnipeg, Manitoba).
- “Providing jobs root of First Nations casinos.” *Saskatoon Star Phoenix* May 8, 2007.
- “First Nations gaming: Thriving after a rocky start.” *Regina Leader-Post* May 5, 2007.
- Brian Calliou, *A Forum to Explore Best Practices, Policy and Tools to Build Capacity in Aboriginal Business and Economic Development* (Banff, AB: The Banff Centre, April 2007), 9-11.
- “First Nations hope winnings cure a host of social ills.” *Edmonton Journal* April 1, 2007.
- “Winner takes all in Hobbema.” *Edmonton Journal* March 31, 2007.
- “First Nations battle over casino jackpot.” *Edmonton Journal* March 30, 2007.
- “Alberta First Nations lead Indian gaming expansion.” *First Nations Drum* January 2007.
- CBC-Calgary (radio), *Wild Rose Country*. November 28, 2006 (interview about release of *Gambling with the Future*, new book concerning Aboriginal casinos: 10 minutes).
- Global Television Network. Lethbridge. November 9, 2006 (interview about the impact of Aboriginal gaming in Alberta: 2 minutes).
- CFCN, Lethbridge (CTV), Lethbridge. November 8, 2006 (interview about the release of *Gambling with the Future*: 1 minute).
- Global Television Network, Lethbridge. November 8, 2006 (interview about the release of *Gambling with the Future*: 1 minute).
- “Worth the Gamble? Native American Studies prof examines the pros and cons in new book.” *Lethbridge Herald* November 8, 2006: A1.
- CBC-Edmonton (radio), October 25, 2006 (interview with Tim Adams about the potential impact of the soon to open River Cree Resort and Casino: 3 minutes).
- CBC-Saskatchewan (radio), *The Morning Edition* with Sheila Coles, October 11, 2006 (interview about First Nations gaming in Saskatchewan: 8 minutes).
- “Henty Society has fondness for 19th Century author.” *Lethbridge Herald* September 10, 2006.
- “Urban Legends,” *Lethbridge Herald* April 19, 2006: A4.
- “Panelists discuss the implications of Aboriginal casino gaming in Southern Alberta.” *Research Reveals: An Update on Gambling Research in Alberta* 5, no. 3 (Feb.-March 2006), 1-4.
- “Journal of Aboriginal Economic Development (4:2),” *N-Side News* 4, no. 2 (January 2006), 16.
- CBC-Halifax, January 4, 2006 (background interview about recent events concerning Donald Marshall Jr.)

- *The National* with Peter Mansbridge. January 4, 2006 (interview about Native voting patterns in southern Alberta specifically and Canada generally: 3 minutes).
- CBC *NewsWorld*, CBC *Now*, CBC Calgary (television), December 23, 2005 (interview about Native voting patterns in southern Alberta specifically and Canada generally: 4 minutes).
- QR-77 Radio Calgary, December 20, 2005 (interview about Native casinos and their potential impact in southern Alberta: 5 minutes).
- Judith Kulig & Doyle MacKinnon, "Aboriginal Casinos: Who's Cashing In?" *Optimum Online: The Journal of Public Sector Management* 35, no. 4 (December 2005), 38.
- The A-Channel (CITY-TV), "Casinos Divide Native Communities." November 27, 2005 (interview about the divisive nature of Aboriginal casinos in Alberta: 1 minute).
- CBC-Calgary (radio), November 25, 2005 (interview about Aboriginal summit announcement of \$5B to Indian Affairs for housing, health, etc . . . : 1 minute)
- CBC-Calgary (radio), "Aboriginal summit to address housing, health." November 23, 2005 (interview about the upcoming Aboriginal Summit in Kelowna: 1 minute).
- CFCN, Lethbridge (CTV). Lethbridge. November 23, 2005 (interview about the government's \$4B residential school settlement package: 1 minute)
- Global Television Network, Lethbridge (CISA-TV). Lethbridge. November 23, 2005 (interview about the government's \$4B residential school settlement package: 1 minute)
- "From town to country: Revenue improves quality of rural life." *Winnipeg Sun* November 11, 2005.
- "Las Vegas of the North?" *Lethbridge Herald* November 5, 2005.
- CFCN, Lethbridge (CTV). November 4, 2005 (interview about the creation of Aboriginal casinos in Alberta: 1 minute).
- Global Television Network, Lethbridge (CISA-TV). November 4, 2005 (interview about the creation of Aboriginal casinos in Alberta: 1 minute).
- The A-Channel (CITY-TV). November 4, 2005 (interview about the creation of Aboriginal casinos in Alberta: 1 minute).
- Country 95 FM. November 4, 2005 (interview about the creation of Aboriginal casinos in Alberta: 1 minute).
- CBC-Calgary (radio). *Wild Rose Country*. November 4, 2005 (participant in panel discussion with Dr. Robert Williams and Dr. Phyllis Day Chief concerning Aboriginal casinos in Alberta: 15 minutes).
- "First Nations Communities and Casino Gaming: Themes, Trends, and ideas." *Research Reveals: An Update on Gambling Research in Alberta* 5, no. 1 (Oct.-Nov. 2005), pp. 1-4.
- "Yale returns to university, this time as a faculty member." *Lethbridge Herald* January 29, 2005, A2.
- Global Television Network, Lethbridge (CISA-TV). November 29, 2004 (interview about the Blood Tribe elections: 1 minute).
- Interview with Ismael Comacho. Sinaloa, Mexico. *Esto es Canada ... en la radio*. Aug. 20, 2004 (interview regarding the current socio-economic state of Aboriginal Canada: 18 minutes)(aired on three Alberta university radio stations and three radio stations in Sinaloa, Mexico).
- CKOM 650 AM Radio, Saskatoon, SK. *The Afternoon Show*. Dec. 8, 2003 (interview regarding the Reform Alliance/Progressive Conservative party merger: 5 minutes).
- CJWW 600 AM Radio, Saskatoon, SK. *Let's Talk Saskatchewan*. Oct. 21, 2003 (interview about the upcoming provincial elections: 12½ minutes).
- "FSIN changes guard: picks Bird." *Saskatoon Star Phoenix* Oct. 17, 2003: A1; reprinted in the *Regina Leader Post*.
- "Native language book by Trent prof a first." *Peterborough Examiner* September 21, 2002: B2.
- "Native, non-native relations improving: students." *The Lethbridge Herald* April 1996: A1.
- Global Television Network, Lethbridge (CISA-TV). March 1996 (interview about involvement in co-coordinating student run conference on Aboriginal issues: 1 minute)
- "Conference tackles Native racism." *The Lethbridge Herald* March 1996: A3

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Education

- *Doctor of Philosophy: Psychology* (2010), University of Canterbury, New Zealand
- *Master of Science: Psychology, Honours* (2003), University of Canterbury, New Zealand
- *Post Graduate Diploma in Science: Psychology* (2000), University of Canterbury, New Zealand.
- *Post Graduate Diploma in Business Administration: Human Resource Management* (1995), Massey University, New Zealand.
- *Bachelor of Business Studies: Human Resource Management* (1992), Massey University, New Zealand.

Prizes, Awards, Distinctions and Fellowships

- *Te Amorangi National Māori Academic Excellence Award* (2011). New Zealand
- *PhD Scholarship* (2006 – 2008), Department of Psychology, University of Canterbury, New Zealand.
- *Psychology Department Speech Prize* (2003), Department of Psychology, University of Canterbury, New Zealand.

Professional Memberships

Society for the Quantitative Analyses of Behavior
Association for Behavior Analysis International
New Zealand Association for Behaviour Analysis
National Association of Gambling Studies
College on Problems of Drug Dependence

Employment History

Position: Associate Professor (Faculty of Health Sciences), Chair in Gambling (Alberta Gambling Research Institute)

Dates: July 2017 - present

Organization: Faculty of Health Sciences, University of Lethbridge

Reports to: Dean

Responsibilities: Generate new knowledge that will increase understanding of gambling behaviours and their consequences and will contribute to enhancing the province's capacity to provide evidence-informed decisions regarding the development of responsible gambling policy and processes.

Position: Assistant Professor (Faculty of Health Sciences), Chair in Gambling (Alberta Gambling Research Institute)

Dates: January 2014 – June 2017

Organization: Faculty of Health Sciences, University of Lethbridge

Reports to: Dean

Responsibilities: Generate new knowledge that will increase understanding of gambling behaviours and their consequences and will contribute to enhancing the province's capacity to provide evidence-informed decisions regarding the development of responsible gambling policy and processes.

Position: Adjunct Assistant Professor

Dates: November 2014 – present

Organization: Department of Psychology, University of Lethbridge

Reports to: Head of Department

Responsibilities: Support the Psychology Department

Position: Honorary Research Fellow

Dates: July 2014 - present

Organization: Melbourne Graduate School of Education, University of Melbourne, Australia

Reports to: Director.

Responsibilities: See below

Position: Research Fellow

Dates: June 2013-December 2013

Organization: Australian Gambling Research Centre, Australian Institute of Family Studies, Australia

Reports to: Center Manager

Responsibilities: Developing policy initiatives for the Australian federal government on pre-commitment, transaction histories, and self-exclusion. Designing a national gambling prevalence study, advising federal organisations on gambling policy, particularly harm minimisation.

Position: Honorary Research Fellow

Dates: July 2013- July 2014

Organization: Problem Gambling Research and Treatment Centre, Melbourne Graduate School of Education, University of Melbourne, Australia

Reports to: Director.

Responsibilities: See below

Position: Research Fellow

Dates: November 2009 – May 2013

Organization: Problem Gambling Research and Treatment Centre, Melbourne Graduate School of Education, University of Melbourne, Australia

Reports to: Director.

Responsibilities: Development of grant applications, research protocols and academic papers. This includes writing manuscripts, data analysis, supervision of research assistants and PhD candidates, management of projects, development of training manuals, and presentation of research papers. The areas I worked on were new diagnostic systems for disordered gambling, new gambling treatments, and evaluating gambling programs.

Position: Post-Doctoral Research Fellow

Dates: April 2008 – November 2009.

Organization: Center for Addiction Research, College of Medicine, University of Arkansas for Medical Sciences, United States of America.

Reports to: Director.

Responsibilities: Supporting grant applications, developing study protocols and writing academic papers. This includes data analysis, supervision of research assistants, management of projects, and presentation of research papers. The research areas I worked on were substance abuse, addiction, impulsivity, decision making, quantification of choice, behavioural economics, neuro-economics, executive functioning, and rapid trans-cranial magnetic stimulation.

Position: Teaching Assistant

Dates: March 2003 – August 2006.

Organization: University of Canterbury, Department of Psychology, New Zealand

Reports to: Course Coordinator.

Responsibilities: Preparing and teaching tutorial material for undergraduate statistics paper and research methods papers. Marking tests, assignments and mid-term exams.

Research and Teaching Interests

My research and teaching interests are in the arenas of learning and decision-making with a focus on deleterious behaviours (substance use, smoking, gambling, etc.). This has involved multiple research approaches; epidemiology, harm minimisation, behaviour modification, behavioural science, behavioural economics, behavioural pharmacology, and neuro-economics.

Teaching (Course Taught, Post-Graduate Students Supervised)

Courses Taught

Position: Course Coordinator

Dates: Spring 2017, Spring 2018

Organisation: University of Lethbridge, Faculty of Health Sciences

Country: Canada

Course: HLSC 3700 A – Problem Gambling

Level: Undergraduate

Position: Course Coordinator

Dates: Spring 2016, Spring 2017, Spring 2018

Organisation: University of Lethbridge, Faculty of Health Sciences

Country: Canada

Course: HLSC 2850 A – Drugs of Abuse

Level: Undergraduate

Position: Course Coordinator

Dates: Spring 2015, Spring 2016

Organisation: University of Lethbridge, Faculty of Health Sciences

Country: Canada

Course: HLSC 3700 A - Gambling

Level: Undergraduate

Position: Course Coordinator

Dates: Fall 2014

Organisation: University of Lethbridge, Faculty of Health Sciences

Country: Canada

Course: ADCS 3140 - Neurophysiology of Addiction

Level: Undergraduate

Position: Lecturer

Dates: Spring 2014

Organisation: University of Lethbridge, Faculty of Health Sciences

Country: Canada

Course: HLSC 3850 - Fetal Alcohol Spectrum Disorder

Level: Undergraduate

Position: Course Director

Dates: Summer 2009

Organisation: University of Arkansas for Medical Sciences, College of Public Health

Country: United States of America

Course: PBHL 5133 – Introduction to Health Behavior and Health Education

Level: Postgraduate

Position: Teaching Assistant

Dates: Spring 2003, Spring 2004, Spring 2005, Spring 2006

Organisation: University of Canterbury, Department of Psychology

Country: New Zealand

Course: PSYC206 – Research Design and Statistics

Level: Undergraduate

Position: Teaching Assistant

Dates: Summer 2006

Organisation: University of Canterbury, Department of Psychology

Country: New Zealand

Course: PSYC344 – Research Methods

Level: Undergraduate

Post-Graduate Students Supervised to Completion

Student: Sharen Nisbet, PhD, Faculty of Education, University of Melbourne

Title: 'An investigation of the use of card based gaming machine technologies in Australian venues'

Position: Co-supervisor

Institution: University of Melbourne

Dates: April 2012 – November 2013

Student: Mackenzie Becker, M.Ed., Faculty of Education, University of Lethbridge.

Title: 'Canadian Counseling Psychology Graduate Student Knowledge of Women'.

Position: Committee Member

Institution: University of Lethbridge

Dates: April 2015 – June 2016

Student: Sean Wilcox M. Phil., Faculty of Arts and Sciences, University of Lethbridge.

Title: 'Addiction: A matter of choice'.

Position: Committee member

Institution: University of Lethbridge

Dates: April 2015 – June 2016

Student: Joel Mader, M.Ed., Faculty of Education, University of Lethbridge

Title: 'An Evaluation of the Pathways Model of Problem Gambling using the Quinte Longitudinal Dataset'.

Position: Primary Supervisor

Institution: University of Lethbridge

Dates: April 2015- February 2017

Student: Erin Mason, MSc, Faculty of Health Sciences, University of Lethbridge

Title: 'Examining protective factors associated with non-risk drinking and gambling among Aboriginal youth in Canada'

Position: Committee Member

Institution: University of Lethbridge

Dates: April 2014-December 2016

Post-Graduate Students Currently Supervised

Student: Lorraine Valladares, PhD Candidate, Melbourne Graduate School of Education, University of Melbourne

Title: Pre-commitment Gambling Behaviour

Position: Committee Member

Institution: University of Melbourne

Dates: April 2012 -

Student: Odedeji Odeloye, MSc Candidate, Faculty of Health Sciences, University of Lethbridge

Title: Recreational and low-risk gambling

Position: Primary supervisor

Institution: University of Lethbridge

Dates: April 2015-

Student: Carrie Leonard, PhD candidate, Faculty of Health Sciences, University of Lethbridge

Title: 'Paranormal and Cognitive distortions in problem gamblers'

Position: Committee Member

Institution: University of Lethbridge

Dates: April 2014-

Student: Samuel Ofori, PhD Candidate, Faculty of Health Sciences, University of Lethbridge

Title: 'Developing a predictive model of gambling behaviour at the Local Government Level'.

Position: Primary supervisor

Institution: University of Lethbridge.

Dates: April 2014-

Student: Maryam Alghamdi, MSc Candidate, Faculty of Health Sciences, University of Lethbridge.

Title: Intimate Partner Violence among Arab Women in Canada

Position: Committee Member

Institution: University of Lethbridge

Dates: April 2015-

Student: Catherine Laskowski, PhD candidate, Behavioural Neuroscience, University of Lethbridge.

Title: Animal Models of Addiction

Position: Committee Member

Institution: University of Lethbridge

Dates: April 2016-

Student: Chrysta Bell, MSc candidate, Faculty of Health Science, University of Lethbridge

Title: Tobacco Prevention for Youth

Position: Primary supervisor

Institution: University of Lethbridge

Dates: July 2016-

Research (Editorial/Reviewer positions, Grants, Academic Publications, Research Reports, Presentations, Media)

Reviewer Positions

- Addiction
- Addictive Behaviors Reports
- Addiction Research & Theory
- Analysis of Gambling Behavior
- Behavioural Processes
- BMC Public Health
- Canadian Journal of Addiction
- Drug and Alcohol Dependence
- Journal of Gambling Issues
- Journal of Gambling Studies
- Journal of the Experimental Analysis of Behavior
- Psychiatry Research
- The Psychological Record

Grants

| Date | Title | Amount | Funder | Role |
|-------------|--|---------------|---------------|-------------|
| 2011 | Neural Pathways in Problem Gambling and Alcohol Dependence: Influence of Regular Naltrexone Dosing on Brain Function, Alcohol Use and Gambling | \$20,000 | UoM | PI |
| 2011-12 | Social and Economic Impact Study of Gambling in Tasmania | \$629,557 | TAS | Co-I |
| 2012-13 | ARC Centre of Excellence on Gambling Research, Treatment and Policy | \$25,000 | UoM | Co-I |
| 2012-13 | South Australian Gambling Survey (Design only) | \$15,000 | SA | Co-I |
| 2014-16 | The Impact of Adding Contingency Management to Treatment as Usual for Disordered Gambling | \$20,000 | AIHS | PI |
| 2014-16 | Neural Mechanisms of Impulsivity and Their Relationship to the Development and Persistence of Disordered Gambling | \$155,000 | AGRI | Co-PI |
| 2014-16 | Naltrexone as a Treatment for Disordered Gambling | \$154,450 | AGRI | PI |
| 2014-16 | Gambling Disorder vs. Alcohol Use Disorder: Comparing Treatment Outcomes with Congruence Couple Therapy | \$157,297 | AGRI | Co-PI |
| 2015-20 | Prairie CRISM Node Proposal | \$1,835,000 | CIHR | Co-I |
| 2015 | CCT Training | \$15,000 | CRISM | Co-PI |
| 2015 | Implications of Integration of Mental Health and Addiction Systems for Problem Gambling Treatment: Case Studies of Alberta, Saskatchewan and Ontario | \$101,840 | AGRI | Co-PI |
| 2016 | The Addition of Contingency Management to Best Practice Counselling as an Adjunct Treatment for Rural and Remote Albertan Disordered Gamblers | \$15,000 | CRISM | PI |
| 2017 | Tobacco Addiction: Nicotine as a Drug of Dependence | \$6,100 | CCVIC | PI |

Notes:

UoM: University of Melbourne, TAS: Tasmanian Department of Treasury and Finance; SA: South Australian Office for Problem Gambling, AIHS: Alberta Innovates Health Solutions; AGRI: Alberta Gambling Research Institute, CIHR: Canadian Institutes of Health Research; CRISM: Canadian Research Initiative in Substance Misuse, CCVIC: Cancer Council Victoria, PI: Primary Investigator; Co-PI: Co-Primary Investigator; Co-I; Co-Investigator

Academic Publications (all peer reviewed except where noted)

- Christensen, D. R.** (in preparation). Reinforcing pre-commitment: using contingency management and behavioural momentum to promote 'safe' gambling. *Journal of Gambling Studies*
- Christensen, D. R.**^Ψ, Dowling, N. A.^Ψ, Jackson, A. C., & Youssef, G. (in preparation). The social and economic impact of gambling in Tasmania 2011: pathways model analysis. *Journal of Gambling Studies*.
- Christensen, D. R.**^Ψ, & Williams, R. J.^Ψ, Ofori-Dei, S. (in preparation). The structure of problem gambling. *Addiction*.
- Lee, B.^Ψ, & **Christensen, D. R.**^Ψ. (in preparation). Correlates of sex addiction. *TBA*.
- Christensen, D. R.***. (in preparation). Effectiveness of prevention strategies. In H. Bowden-Jones., C. Dickson., C., Dunland., O. & O. Simon. *Preventing Gambling Addiction*. Routledge: Centre for Excessive Gambling (Centre du Jeu Excessif: CJE), Switzerland., & NHS National Problem Gambling Clinic, and Imperial College, London, UK
- Mader, J., **Christensen, D. R.**, Williams, R. (under review). An evaluation of the pathways model using the Quinte longitudinal dataset. *Journal of Gambling Studies*.
- Christensen, D. R.** (under review). A review of opioid based medications as treatments for gambling disorder: an examination of response rates, cravings, and sensitivities. *International Gambling Studies*.
- Christensen, D. R.***. (accepted December 2017, minor revisions). Tobacco addiction: nicotine as a drug of dependence. In M. M., & M. Winstanley, M. H. (Eds.). *Tobacco in Australia: Facts and issues*. Melbourne: Cancer Council Victoria.
- Christensen, D. R.**, Witcher, C. S. G., Leighton, T., & Hudson-Breen, R, Ofori-Dei, S. (accepted September 2017, minor revisions). Protocol for piloting the addition of contingency management to best practice counselling as an adjunct treatment for rural and remote Albertans with gambling disorders. *BMJ Open*
- Sheffer, C. E., Mackillop, J., Fernandez, A., **Christensen, D. R.**, Bickel, W., Johnson, M. W., Panissidi, L., Pittman, J., Franck, C., Williams, J., & Mathew, M. (2016). Initial examination of priming tasks to decrease delay discounting. *Behavioural Processes*, 128, 144-152.
- Jackson, A.C.^Ψ, **Christensen, D.R.**^Ψ, Francis, K. L., & Dowling, N.A. (2016). Consumer perspectives on gambling harm minimisation measures in an Australian jurisdiction. *Journal of Gambling Studies*, 32, 801-822.
- Nisbet, S., Jackson, A.C., **Christensen, D.R.** (2016). The influence of pre-commitment and associated player-card technologies on decision making: design, research and implementation issues. *International Journal of Mental Health and Addiction*, 14, 228-240
- Christensen, D. R.** (2015). Complimentary forces of change: Contingency management and behavioural momentum as treatments for problematic gambling. *Canadian Journal of Addiction: Special Issue on Gambling Research in Canada*, 6, 45-53.
- Dowling, N. A., Jackson, A. C., Cowlshaw, S., Francis, K., Merkouris, S., & **Christensen, D. R.** (2015a). Prevalence of psychiatric comorbidity in treatment-seeking problem gambling: A systematic review and meta-analysis. *Australian and New Zealand Journal of Psychiatry*, 49, 6
- Dowling, N. A., Jackson, A. C., Cowlshaw, S., Francis, K., Merkouris, S., & **Christensen, D. R.** (2015b). The prevalence of comorbid personality disorders in treatment-seeking problem gamblers: A systematic review and meta-analysis. *Journal of Personality Disorders*, 29, 735-754
- Christensen, D. R.*** (2015). Editorial: Gambling Research – Looking Forward. *Austin Journal of Drug Abuse and Addiction*, Vol2, 1

- Christensen, D. R.**[‡], Dowling, N. A.[‡], Jackson, A. C., & Thomas, S. A. (2015). Gambling participation and problem gambling severity in a stratified random survey: Findings from the second social and economic impact study of gambling in Tasmania. *Journal of Gambling Studies*, *31*, 1317-1335
- Christensen, D. R.**, Landes, R., Jackson, L., Marsch, L., Mancino, M., Chopra, M., & Bickel, W. K. (on-line first, August 2014). Adding an internet-delivered treatment to an efficacious treatment package for opioid dependence. *Journal of Consulting and Clinical Psychology*.
- Bickel, W. K., & **Christensen, D. R.** (on-line first, April 2014). Behavioral economics. In I. P. Stolerman (Ed.). *Encyclopedia of Psychopharmacology*, 2nd Ed. Springer Reference.
- Francis, K. L., Dowling, N. A., Jackson, A. C., **Christensen, D. R.**, & Wardle, H. (on-line first, April 2014). Gambling Motives: Application of the Reasons for Gambling Questionnaire in an Australian Population Survey. *Journal of Gambling Studies*.
- Christensen, D. R.**, Jackson, A. C., Dowling, N., Volberg, R., & Thomas, S. (on-line first, March 2014). An examination of a proposed DSM-IV pathological gambling hierarchy in a treatment seeking population: Similarities with substance dependence and evidence for three classification systems. *Journal of Gambling Studies*.
- Jarmolowicz, D.P., Landes, R.D., **Christensen, D.R.**, Jackson, L., Yi, R., Jones, B.A., & Bickel, W. K. (2014). Discounting of money and sex: Effects of commodity and temporal position in stimulant-dependent men and women. *Addictive Behaviors*, *39*, 1652-1657.
- Sheffer, C., Landes, R. D., **Christensen, D. R.**, & Bickel, W. R. (2014). Delay discounting rates: A strong prognostic indicator of smoking relapse. *Addictive Behaviors*, *39*, 1682-1689
- Jackson, A. C., Pennay, D., Coles-Janess, B., **Christensen, D. R.**, & Dowling, N. A. (2014). Improving gambling survey research using a dual - frame survey of landline and mobile phone numbers. *Journal of Gambling Studies*, *30*, 291-307.
- Jackson, A.C., Francis, K.L., Vasiliadis, S., & **Christensen, D. R.** (2014) Service access and coordination in co-morbid pathological gambling cases: A proof of concept study *Gambling Research*, *1*, 20-32.
- Vasiliadis, S., Jackson, A.C., **Christensen, D.R.**, Francis, K.L., & Thomas, S.A. (2013). Physical accessibility of gaming opportunity and its relationship to gaming involvement and problem gambling: A systematic review. *Journal of Gambling Issues*, *28*, October, DOI: <http://dx.doi.org/10.4309/jgi.2013.28.2>
- Christensen, D. R.** (2013). Contingency management literature review: application to problem gambling counselling. *Gambling Research*, *25*, 3-17
- Christensen, D. R.**, Dowling, N. A., Jackson, A. C., Brown, M., Russo, J., Francis, K. L., & Umemoto, A. (2013). A proof of concept study for brief dialectical behavior therapy as a treatment for problem gambling. *Behaviour Change*, *30*, 117-137
- Jackson, A.C., Francis, K.L., Byrne, G. & **Christensen, D.R.** (2013). Leisure substitution and problem gambling: Report of a proof of concept group intervention. *International Journal of Mental Health and Addiction*, *11*, 1, 64-74
- Landes, R., **Christensen, D. R.**, & Bickel, W. K. (2012). Delay discounting decreases in those completing treatment for opioid dependence. *Experimental and Clinical Psychopharmacology*, *20*, 302-309.
- Sheffer, C., McKillop, J., McGeary, J., Carter, L., Yi, R., Jones, B., **Christensen, D. R.**, Stitzer, M., Jackson, L., & Bickel, W. (2012). Delay discounting, locus of control, and cognitive impulsiveness independently predict tobacco dependence treatment outcomes in a highly dependent, lower socioeconomic group of smokers. *American Journal on Addictions*, *21*, 221-232.
- Bickel, W. K., Landes, R. D., **Christensen, D. R.**, Jackson, L., Jones, B. A., Kurth-Nelson, Z., & Redish, D. A. (2011). Single- and cross-commodity discounting among cocaine addicts: The commodity and its temporal location determine discounting rate. *Psychopharmacology*, *217*, 177-187

- Bickel, W. K., **Christensen, D. R.**, & Marsch, L. A. (2011). A review of computer-based interventions used in the assessment, treatment and research of drug addiction. *Special Issue of Substance Use and Abuse*, 46, 4-9
- Bickel, W.K., Jones, B.A., Landes, R.D., **Christensen, D.R.**, Jackson, L., & Mancino, M. (2010) Hypothetical intertemporal choice and real economic behavior: Delay dis-counting predicts voucher redemptions during contingency-management procedures. *Experimental and Clinical Psychopharmacology*, 18, 546-52
- Christensen, D. R.**, & Grace, R. C. (2010). A decision model for steady-state choice in concurrent chains. *Special Issue of the Journal of the Experimental Analysis of Behavior*, 94, 227-240
- Bickel, W. K., & **Christensen, D. R.** (2010). Behavioral economics. In I. P. Stolerman (Ed.). *Encyclopedia of Psychopharmacology*. Springer Reference
- Bickel, W. K., Yi, R., Mueller, E. T., Jones, B. A., & **Christensen, D. R.** (2010)*. The behavioral economics of drug dependence: Towards the consilience of economics and behavioral neuroscience. In W. Self, & J. K. Staley Gottschalk. *Current topics in Behavioral Neuroscience Vol 3. Behavioral Neuroscience of Drug Addiction* (pp. 320-341). New York: Springer.
- Christensen, D. R.**, & Grace, R. C. (2009). Response allocation in concurrent chains when terminal-link delays follow an ascending and descending series. *Journal of the Experimental Analysis of Behavior*, 91, 1-20
- Christensen, D. R.**, & Grace, R. C. (2009). Response allocation in a rapid-acquisition concurrent-chains procedure: Effects of overall terminal-link duration. *Special Issue of Behavioural Processes*, 81, 233-237.
- Christensen, D. R.**, & Grace, R. C. (2008) Rapid acquisition in concurrent chains: Effects of initial-link duration. *Special Issue of Behavioural Processes*, 78, 217-223.

Notes:

Underlined = student author

Ψ= equal first authorship

* = non-peer reviewed

Research Reports

- Thomas, A., Carson, R., Deblaquiere, J., Armstrong, A., Moore, S., **Christensen, D. R.**, & Rintoul, A. (2016). *Review of Electronic Gaming Machine (EGM) Pre-Commitment Features: Self-Exclusion*. Report prepared for the Department of Families, Housing, Community Services and Indigenous Affairs. Australian Federal Government. Link: <https://aifs.gov.au/agrc/publications/pre-commitment-self-exclusion>
- Thomas, A., **Christensen, D.R.**, Deblaquiere, J., Armstrong, A., Moore, S., Carson, R., & Rintoul, A. (2016). *Review of Electronic Gaming Machine (EGM) Pre-Commitment Features; Limit-Setting*. Report prepared for the Department of Families, Housing, Community Services and Indigenous Affairs, Australian Federal Government. Link: <https://aifs.gov.au/agrc/publications/pre-commitment-limit-setting>
- Thomas, A., Rintoul, A., Deblaquiere, J., Armstrong, A., Moore, S., Carson, R., & **Christensen, D. R.** (2016). *Review of Electronic Gaming Machines (EGM) Pre-Commitment Features; Transaction Histories*. Report prepared for the Department of Families, Housing, Community Services and Indigenous Affairs, Australian Federal Government. Link: <https://aifs.gov.au/agrc/publications/pre-commitment-transaction-history>
- Christensen, D. R.**, Winstanley, C., Clark, L., Aitchison, K., Chapman, C., Euston, D., Gruber, A., Spetch, M., & McGrath, D. (2015). *Basic Science Gambling Research Agenda*. Report prepared for the Alberta Gambling Research Institute.
- Christensen, D. R.** (2015). *Review of Nova Scotia's MyPlay System*. Report prepared for the Nova Scotia Health Research Foundation.

The Allen Consulting Group, Problem Gambling Research and Treatment Centre, and the Social Research Centre. (2011). *Social and Economic Impact Study of Gambling in Tasmania: Summary Report*, Prepared for the Tasmanian Government Department of Treasury and Finance. Link: <http://www.treasury.tas.gov.au/domino/df/df.nsf/f4fce06dd64eab56ca256c300025c02a/c4d6d16c4aac53c9ca257d8200177256?OpenDocument>

The Allen Consulting Group, Problem Gambling Research and Treatment Centre, and the Social Research Centre. (2011). *Social and Economic Impact Study of Gambling in Tasmania, Volume 1: Gambling industry trends and economic impacts*, Report prepared for the Tasmanian Government Department of Treasury and Finance. Link: <http://www.treasury.tas.gov.au/domino/df/df.nsf/f4fce06dd64eab56ca256c300025c02a/c4d6d16c4aac53c9ca257d8200177256?OpenDocument>

The Allen Consulting Group, Problem Gambling Research and Treatment Centre, and the Social Research Centre. (2011). *Social and Economic Impact Study of Gambling in Tasmania, Volume 2: Gambling survey*, Report prepared for the Tasmanian Government Department of Treasury and Finance. Link: <http://www.treasury.tas.gov.au/domino/df/df.nsf/f4fce06dd64eab56ca256c300025c02a/c4d6d16c4aac53c9ca257d8200177256?OpenDocument>

The Allen Consulting Group, Problem Gambling Research and Treatment Centre, and the Social Research Centre. (2011). *Social and Economic Impact Study of Gambling in Tasmania, Volume 3: Assessment of harm minimisation measures*, Report prepared for the Tasmanian Government Department of Treasury and Finance. Link: <http://www.treasury.tas.gov.au/domino/df/df.nsf/f4fce06dd64eab56ca256c300025c02a/c4d6d16c4aac53c9ca257d8200177256?OpenDocument>

Presentations

Christensen, D. R. (2017). *Internet Delivered Counselling for Gambling Disorder*. CRISM: Prairie Node Annual meeting, Poster, University of Calgary, Calgary, Canada.

Christensen, D. R. (2017). *Naltrexone as a Treatment for Gambling Disorder: An Examination of Neural Activation, Gambling Urges, and Gambling Behaviour**. Claresholm Centre for Mental Health and Addiction, Alberta Health Services, Paper Presentation, Claresholm, Canada.

Christensen, D. R. (2017). *Naltrexone as a Treatment for Gambling Disorder: An Examination of Neural Activation, Gambling Urges, and Gambling Behaviour**. Alberta Gambling Research Institute: Just Gambling? Ethical Challenges Pertaining to Gambling Provision, Policy and Research, Paper Presentation, Banff, Canada.

Christensen, D. R. (2017). *Contingency Management for Substance Abuse Treatment*. CRISM: Prairie Node. Workshop, University of Calgary, Calgary, Canada.

Christensen, D. R. (2016). *Contingency Management and Behavioural Momentum: Application to the Treatment of Disordered Gambling*. Association for Behavior Analysis International, Paper Presentation, Chicago, United States of America.

Christensen, D. R. (2016). *Internet Delivered Counselling*. Community University Research Exchange (CURE). University of Lethbridge, Paper Presentation, Lethbridge, Canada.

Christensen, D. R. (2015). *Naltrexone as a Treatment for Disordered Gambling*. Campus Alberta Neuroscience Symposium*. University of Calgary, Paper Presentation, Lethbridge, Canada

Christensen, D. R., Jackson, A. C., Williams, R., Dowling, N. A., Volberg, R., & Thomas, S. (2015). *Gambling Disorder Hierarchies*. Association for Behavior Analysis International, Paper Presentation, San Antonio, United States of America.

Jackson, A.C., **Christensen, D. R.**, Francis, K. L., & Dowling, N.A. (2015). *Consumer Perspectives on Gambling Harm Minimisation Measures in an Australian Jurisdiction**. Alberta Gambling Research Institute: Critical Issues in Gambling Research, Paper Presentation, Banff, Canada.

- Christensen, D. R.** (2015). *Naltrexone as a Treatment for Disordered Gambling*. Community University Research Exchange (CURE)*. University of Lethbridge Paper Presentation, Lethbridge, Canada.
- Christensen, D. R.** (2015). *Two Novel Treatments for Problematic Gambling: Naltrexone and Contingency Management*. Psychology Department Colloquium, University of Lethbridge, Lethbridge, Canada.
- Christensen, D. R.** (2014). *Small Actions Make a Big Difference: Contingency Management**. Alberta Gaming and Liquor Commission. Paper Presentation, Leduc, Canada.
- Christensen, D. R.** (2014). *Contingency Management: Application to Substance Use**. Addiction Medicine, Foothills Hospital. Paper Presentation, Calgary, Canada.
- Christensen, D. R., Bickel, W. R., & Sheffer, C. E.** (2014). *A New Model for Discounting*. Society for the Quantification of Behavior Analyses. Poster Presentation, Chicago, United States of America.
- Christensen, D. R.** (2014). *Pharmacological Treatments for Problem Gambling**. Victorian Responsible Gambling Foundation, Paper Presentation (on-line), Melbourne, Victoria
- Christensen, D. R.** (2014). *Pharmacological Treatments for Problem Gambling**. Alberta Gambling Research Institute: Controversial Topics in Gambling, Paper Presentation, Banff, Canada
- Christensen, D. R., Jackson, A. C., Dowling, N., Volberg, R., & Thomas, A.** (2013). *An Examination of a Proposed DSM-IV Pathological Gambling Hierarchy in a Treatment Seeking Population: Similarities with Substance Dependence and Evidence for Three Classification Systems*. National Association for Gambling Studies, Paper Presentation, Sydney, Australia.
- Byrne, G., Jackson, A.C., Francis, K. L., & **Christensen, D. R.** (2013). *Leisure Substitution and Gambling*. National Council on Responsible Gambling Discovery 2013 Conference, Paper presentation, Toronto, Canada.
- Christensen, D. R.** (2012). *Contingency Management Literature Review: Application to Problem Gambling*. National Association for Gambling Studies, Paper Presentation, Launceston, Australia.
- Jackson, A.C., Dowling, N.A., **Christensen, D.R.**, Valladares, L. (2012). *Consumer Perspectives on Gambling Harm Minimization Measures in an Australian Jurisdiction*. First Asia Pacific Conference on Gambling & Commercial Gaming Research, Poster Presentation, Macao, China.
- Yucel, M., Youssef, G., Lorenzetti, V., Jackson, A.C., Dowling, N.A., **Christensen, D.R.**, Lubman, D. I., Hall, W., Carter, A., Goudriaan, A. (2012). *Addiction Models: Are They Relevant to Problem Gambling?* INTERACT 2012 Profiling and Stimulating Interdisciplinary Research, Poster Presentation, University of Melbourne, Australia.
- Jackson, A. C., **Christensen, D. R.**, Francis, K., Vasiliadis, S., & Thomas, S. (2011). *Problem Gambling and Accessibility of Gambling Products: A Study of Electronic Gaming Machine Use, Gambling Opportunity and Presentation for Treatment in Victoria, Australia*. National Association for Gambling Studies, Paper Presentation, Melbourne, Australia.
- Christensen, D. R.** (2010). *Translating the Competing Neurobehavioural Systems Hypothesis of Drug Addiction to Problem Gambling – A New Silver Bullet?* National Association for Gambling Studies, Paper Presentation, Gold Coast, Australia.
- Christensen, D. R., Landes, R., Bickel, W.** (2009). *The Effects of Multi-Modal Treatment in Delay Discounting in Opioid Dependent Individuals*. College on Problem of Drug Dependence, Poster Presentation, Reno, United States of America.
- Christensen, D. R., & Grace, R. C.** (2009). *Two Models of Discounting: Sensitivity and Adjustment Effects*. Society for the Quantitative of Analyses of Behavior, Poster Presentation, Phoenix, United States of America.

- Christensen, D. R., & Grace, R. C. (2008).** *Rapid Acquisition in Concurrent Chains: Effects of Initial-Link Duration.* Association for Behavior Analysis International. Paper Presentation, Chicago, United States of America.
- Christensen, D. R., & Grace, R. C. (2008).** *Response Allocation in a Rapid Acquisition Concurrent-Chains procedure: Effects of Overall Terminal-Link Duration.* Society for the Quantitative Analyses of Behavior. Poster Presentation, Chicago, United States of America.
- Christensen, D. R. & Grace, R. C. (2007).** *Choice in Transition and Steady State.* Association for Behavior Analysis International. Session Chair and Paper Presentation, Sydney, Australia.
- Christensen, D. R. & Grace, R. C. (2007).** *Extended Decision Model: Archival Analyses and Model Comparison.* Society for the Quantitative of Analyses of Behavior. Poster Presentation, San Diego, United States of America.
- Christensen, D. R. & Grace, R. C. (2006).** *Model Comparisons when Terminal Link Schedules Follow an Ascending and Descending Sequence.* New Zealand Association of Behaviour Analysis, Paper Presentation, Hamilton, New Zealand.
- Christensen, D. R. Kyonka, E., & Grace, R. C. (2005).** *Choice and Timing in Concurrent Chains when Terminal Link Delays Follow an Ascending and Descending Series Within Session.* Society for the Quantitative of Analyses of Behavior, Poster Presentation, Atlanta, United States of America.
- Christensen, D. R. & Grace, R. C. (2004).** *Hysteresis in Concurrent Chains.* New Zealand Association of Behaviour Analysis, Conference coordinator and Paper Presentation, Christchurch, New Zealand.
- Christensen, D. R. & Grace, R. C. (2003).** *Rapid Acquisition of Preference when Terminal-Link Schedules Follow either an Ascending or Descending Pattern.* New Zealand Association of Behaviour Analysis, Paper Presentation, Auckland, New Zealand.
- Christensen, D. R., & McLean, A. P. (2002).** *A Behavioural Comparison of Decision Affect Theory and the Matching Law.* New Zealand Association of Behaviour Analysis, Paper Presentation, Dunedin, New Zealand

Notes:

* = Invited presentation

Media

- Knight, D. (2017, December 2017). Rural population can [receive] benefits of free addiction counselling. *Prairie Post.* [Link](#)
- Author unknown (2017, December 5). Research snapshot: Demographic groups that are at risk for problem gambling in Tasmania. *Gambling Research Exchange Ontario.* [Link](#)
- Staff Writer (2017, November 22). Free counselling available to rural gamblers in alberta. *Macleod Gazette.* [Link](#)
- Green, K (2017, November 10). Encouraging results in problem gambling study. *CTV Calgary.* [Link](#)
- Woodrow, B (2017, February 5). Naltrexone as a treatment for gambling disorder. *CTV Toronto.* [Link](#)
- Green, K (2017, February 2). University of lethbridge drug study attempts to alleviate problem gambling. *CTV Calgary.* [Link](#)
- Author Unknown. (2016, November 28). New study to offer free online counselling for rural and remote people struggling with gambling disorders. *University of Lethbridge UNews: Research.* [Link](#)
- Alberta Gambling Research Institute (2016, Fall). Research Activity. Annual Report. *Alberta Gambling Research Institute*
- Alberta Gambling Research Institute (2015, Fall). Gambling and personality disorders. *Alberta Gambling Research Institute* (on-line edition). [Link](#)
- Kuhl, N. (2015, September 21). Gambling studied by U of L researcher. *Lethbridge Herald* (on-line edition). [Link](#)
- Zenter, C. (2015, September 3). U of L study seeks to find additional treatment for disordered gambling. *University of Lethbridge UNews: Research.* [Link](#)
- Author unknown (2014, Spring). University continues to grow as hub for addiction research. *Southern Alberta Magazine* (on-line and print). [Link](#)
- Charbonneau, L. (2014, March 12). U of Lethbridge adds new research chair on gambling abuse. *University Affairs* (on-line article). [Link](#)

- Croucher, C. (2013, March 25). Powerball vigilantes. *A Current Affair, Channel 9*. (on-line, recorded TV interview). [Link](#)
- Willingham, R. (2012, December 18). Heroin treatment to be trialled on gamblers. *The Age*. (on-line article). [Link](#)
- Park, A. (2012, December 18). Anti-gambling pill on trial. *World News Australia, SBS One* (on-line, recorded TV interview). [Link](#)
- Corowa, M. (2012, November 10). Why do people gamble? *Weekend Breakfast, ABC24* (live interview). Can supply interview on request.
- Park, A. (2012, November 6). What are your chances of winning Oz Lotto? *World News Australia, SBS One* (on-line article). [Link](#)
- Quist, J. (2012, November 5). Melbourne cup fever. *Today Tonight, Channel 7* (on-line, recorded TV interview). [Link](#)
- Munro, P. (2012, October 23). Dreamers cast aside logic in rush for shot at \$50m lottery bonanza. *Sydney Morning Herald* (on-line article). [Link](#)

Academic Service (Committees, Reports)

Committees

- Committee Member, Human Subject Research Ethics Appeals Committee (2017-), Research Services, University of Lethbridge
- Committee Member, Executive Committee (2017-), Faculty of Health Sciences, University of Lethbridge
- Committee Member, MSc Health Sciences & PhD Population Health Programs (2017-), Faculty of Health Sciences, University of Lethbridge
- Committee Member, Heritage Youth Researcher Summer Program, (2017) Research Services, University of Lethbridge
- Committee Member, General Faculties Grants Committee (2016-), Research Services, University of Lethbridge.
- Committee Member, Health Sciences Faculty Search (2016-) Faculty of Health Sciences, University of Lethbridge
- Committee Member, Study Leave Advisory Committee (2016-2017) Faculty of Health Sciences, University of Lethbridge
- Committee Member (2015-2016) - Faculty of Health Sciences Curriculum Committee, University of Lethbridge
- Co-chair (2015-2016) Ad Hoc Teaching Evaluation Committee, University of Lethbridge
- Ethics Committee Reviewer, Second Tier (September, 2014-2016). Human Subjects Research Committee, University of Lethbridge
- Ethics Committee Reviewer Third Tier (June, 2014 - August, 2014). Human Subjects Research Committee, University of Lethbridge
- Committee Member (2014). STP Appeals Committee, University of Lethbridge
- Committee Member (2014). Search Committee, Chair in Rural Health, University of Lethbridge
- Committee Member (2014). Public Health Program Development Committee, University of Lethbridge.
- Committee Member (2012). Melbourne Graduate School of Education, Early Career Researcher Grants Review Panel, University of Melbourne
- PhD Review Committee Chair (2011-2013). Melbourne Graduate School of Education, University of Melbourne
- Staff-Student Liaison (2010-2011). The Problem Gambling Research and Treatment Centre Student Group, University of Melbourne
- Ethics Committee Reviewer (2010, 2013). Melbourne Graduate School of Education, University of Melbourne
- Adjudicator (2010). National Conference of Emerging and New Researchers. The Problem Gambling Research and Treatment Centre, University of Melbourne and Monash University
- Conference Coordinator (2005). Inaugural National Conference of the New Zealand Association for Behavior Analysis. University of Canterbury

Reports

Christensen, D. R., & Hudson-Breen, R. (2015). *Report to Improve Student Participation in the Course Evaluation Process.* Report prepared for the Faculty of Health Sciences Council, University of Lethbridge.

NADY A. EL-GUEBALY, C.M., MD

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Research Director, Alberta Gambling Research Institute
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LANGUAGES SPOKEN: Fluent - English, French, and Arabic

CITIZENSHIP: Canadian; born Suez (Egypt)

MARITAL STATUS: Married - 2 children, 2 grandchildren

EDUCATION AND TRAINING

- June 1958 - High School "French Lycee" of Alexandria, Egypt
- Oct 1958 - June 1964 - Faculty of Medicine (Cairo University), M.B.Ch.B.
- Sept 1964 - Sept 1965 - Rotating Internship (Cairo University Hospital)
- Apr 1967 - July 1968 - Instructor, High Institute Public Health (Alexandria University) - Diploma of Public Health majoring in Epidemiology, D.P.H. (Epid.)
- Aug 1968 - Nov 1969 - Senior House Officer then Registrar, Bexley Group of Hospitals (Psychiatry) - Kent, U.K.; affiliated Maudsley Institute of Psychiatry, London
- Jan 1969 - E.C.F.M.G., No. 118-127-0
- Nov 1969 - June 1972 - Psychiatric Resident, Royal Ottawa Hospital and Ottawa Civic Hospital (University of Ottawa)
- July - Dec 1971 - 4th year Resident, Clinical Institute, Addiction Research Foundation, Toronto, Ontario
- June 1972 - Diploma of Psychiatry - Ottawa University (D. Psych.)
- Dec 1972 - Certification and Fellowship in Psychiatry C.R.C.P.(C) - F.R.C.P.(C), No. 1584
- July 1974 - L.M.C.C., No. 37,780
- Dec 1974 - N.I.A.A.A.'S "National Alcoholism Training Program Professionals", Washington University, St. Louis, Missouri
- Feb 1978 - Course on "Design and Planning of Psychiatric Facilities", Washington, D.C.
- Sept 1977- May 1979 - Completion 2 year Extension Course on Health Care Organization and Management (Canadian Hospital Association)
- Sept - Nov 1980 - World Health Organization Fellowship, 3 months, surveying mental health facilities in Sweden, Denmark, Switzerland and United Kingdom
- July 1984 - June 1985 - Visiting Professorship (sabbatical), University of California, San Diego
- Oct 1986 - First certification exam, American Medical Society on Alcoholism and other Drug Dependencies, No 1637

- July - December 1996 - Sabbatical including visits to WHO, Geneva and National Addiction Centre, London
- July 1996 - American Society of Addiction Medicine's Medical Review Officer (MRO) Training Course, Denver, Colorado
- Oct 1996 - American Society of Addiction Medicine's Review Course, Chicago, Illinois
- Dec 1996 - Recertification exam, American Society of Addiction Medicine, No 1637
- Oct 2006 - Certification exam, International Society of Addiction Medicine, No 2006-21
- March 2009 - Diplomat, American Board of Addiction Medicine, No 000028

UNIVERSITY, HOSPITAL, ADMINISTRATIVE AND PRACTICE ACTIVITIES

- 1965-1967 - General Practice, the Suez Canal Co., Egypt
- July 1972 - Staff Psychiatrist, Royal Ottawa Hospital, founder of Addiction Management Service - Member, Task Force of Ottawa's Detoxification Centre and Board of Serenity Halfway House
- Jan 1974 - Sept 1976 - Psychiatrist-in-charge, Addiction Service, Royal Ottawa Hospital
- July 1974 - Lecturer - full-time geographic - Faculty of Medicine, University of Ottawa
 - Full registration, Province of Ontario No. 26868
- Jan 1975 - President Medical Staff, Royal Ottawa Hospital and Member, Board of Trustees; Founding Chairman, Steering Committee on Alcoholism, Eastern Ontario Region
- Mar 1975 - Consultant Addiction Field, Department of External Affairs, Government of Canada
- Oct 1976 - Associate Professor of Psychiatry, University of Manitoba; Head, Department of Psychiatry, St. Boniface General Hospital, Winnipeg
 - Full registration Province of Manitoba, No. 10-889
- Mar 1977 - Consultant in Psychiatry, Health Sciences Centre, Winnipeg
- June 1977 - Consultant in Psychiatry, Tache Nursing Centre (Geriatric) and St. Amant Centre (Mental Retardation)
- May 1978 - Consultant, Sara Riel, Inc. (long-term psychiatric facility)
- June 1978 - Consultant, College of Physicians and Surgeons, Manitoba
- Oct 1978 - Member, Interdisciplinary Curriculum Committee, Mental Health Manitoba
- June 1979 - Member, Manitoba's Legislative Mental Health Act Draft Committee
- Oct 1979 - Granted Tenure by Board of Governors, University of Manitoba
- Nov 1979 - Manitoba Government's allocation of \$2.6 million capital project to double hospital's department to a 56 bed facility, i.e. 48 beds adult plus 8 beds adolescents. Building dedicated by Mrs. Rosalyn Carter, First Lady, United States
- June 1980 - July 1987 - Associate Head, Department of Psychiatry, University of Manitoba
- Apr 1981 - Elected member, Faculty Executive Council, School of Medicine, University of Manitoba

- Mar 1982 - Member, Faculty Council of Graduate Studies, University of Manitoba
- Apr 1983 - Re-elected, member Faculty Executive Council and member, Nominating Committee, School of Medicine, University of Manitoba
- July 1983 - Tenured full Professor of Psychiatry, University of Manitoba
- Member, Psychiatric Advisory Committee, Manitoba Health Insurance Services
- 1985 - 1987 - Member, Board of Governors, Alcoholism Foundation of Manitoba
- Aug 1987 - July 1996 - Professor and Head, Department of Psychiatry, The University of Calgary; Director, Department of Psychiatry, Foothills Hospital
- Registration, Province of Alberta, No. 9346 and Specialist Status
- Oct 1987 - Consultant, Alberta Hospital Ponoka
- Consultant, Alberta Community Mental Health Services
- Chairman, Regional Psychiatric Services Planning Committee
- Jan 1988 - Consultant, Calgary General Hospital
- Sept 1988 - Consultant, Alberta Children's Hospital
- Member, Provincial Mental Health Advisory Council
- Feb 1989 - Elected, Executive Medical Advisory Committee, Foothills Hospital
- April-Nov 1989 - Fundraising \$1,050,000 towards Endowed Chair for Schizophrenia Studies plus provincial 1:1 match.
- June 1989 - Fundraising \$80,000 M. Newell Fund in Substance Abuse plus provincial 1:1 match.
- Sept 1990 - Vice-chair, Department Heads Committee, Foothills Hospital
- June 1991 - Chair, Department Heads Committee, Foothills Hospital
- Elected, Executive Committee, Faculty of Medicine Council
- Sept 1991 - July 1996 - Reappointed, Head Department of Psychiatry, The University of Calgary and Director Department of Psychiatry, Foothills Hospital for second 5 year term
- Chairman, Regional Mental Health Planning Committee
- 1991 - Elected, Board of Canadian Centre for Substance Abuse, Ottawa
- April 1992 - Alberta Government's allocation of \$1.3 million operating and \$950,000 capital budgets to develop Addiction Centre, Foothills Hospital.
- May 1994 - Associate Member, Liver Unit, University of Calgary
- Dec 1994 - Re-elected, Board of Canadian Centre for Substance Abuse, Ottawa
- Sept 1995 - Fundraising, Partners in Health Campaign. Target \$500,000 for Addiction Centre.
- Dec 1995 - Member, Naltrexone Advisory Board, Dupont Pharma
- Consultations Health Canada "Collaboration on Substance Use Education and Training" and "Health and Enforcement in Partnership"
- July 1996 - Head, Division of Substance Abuse, University of Calgary; then Division of Addictions
- Feb 1997 - Adjunct Professor, Department of Psychiatry, University of Alberta

- 1997 - 2000 - Re-elected (third term), Board of Canadian Centre for Substance Abuse, Ottawa
- Aug 1997 - External Reviewer, Addiction Rehabilitation Program London / St. Thomas Psychiatric Hospital / University of Western Ontario
- Dec 1999 - Representative, University of Calgary, Alberta Gaming Research Institute Board
- Jan 2002 - World Health Organization, Project Consultant: "Adherence to long-term Therapies".
- July 2002 - Elected, Chair, Alberta Gaming Research Institute Board
- April 2003 - External Reviewer, Addiction Program, Dept of Psychiatry, University of Manitoba
- May 2004 - Consultant, United Nations Office on Drugs and Crime, Cairo Office
- Mar 2005 - Re-elected, Chair, Alberta Gaming Research Institute
- Oct 2005 – July 2008 - Medical Director, Addictions Program, Calgary Health Region
- Apr 2008 – June 2011 - Elected, Third term, Chair, Alberta Gaming Research Institute Board
- Jan 2011 - Member, Scientific Advisory Panel on Opioid Analgesic Abuse, Health Canada
- Jan 2013 - Research Director, Alberta Gambling Research Institute
- Mar 2013 - Member, Alberta's Responsible Gambling Advisory Committee
- April 2015 - PACES (Provincial Addiction Curricula & Experiential Skill), Addiction Medicine Specialist, Alberta Health Services
- July 2016 - Vice Chair, Royal College Physicians and Surgeons Workforce on Addiction Medicine

PROFESSIONAL ORGANIZATIONS' APPOINTMENTS

- 1977-1978 - Elected Manitoba's representative at Canadian Psychiatric Association's Professional Standards and Practice Council
- 1978- 1985 - Chairman, Canadian Psychiatric Association's Professional Standards and Practice Council
- 1979 - 1980 - President, Manitoba Psychiatric Association
- 1979 - 1981 - Marker, Health Care Organization and Management Course, Canadian Hospital Association
- Dec 1980 - - Fellow, American Psychiatric Association (F.A.P.A.)
- 1983 - 1984 - Council Member, Western Canada District Branch and President, Manitoba Chapter, American Psychiatric Association
- 1983 - 1984 - Representative, Canadian Psychiatric Association to Canadian Medical Association's Affiliate Societies Meeting
- 1983 - 1984 - Representative, Western Canada District Branch to American Psychiatric Association's Public Affairs Network, Washington, D.C.
- 1984 - 1986 - Member, Committee on Peer Review, American Psychiatric Association
- Apr 1984 - - Elected member, American College of Psychiatrists
- 1984 - 1987 - Re-elected, American Psychiatric Association's Public Affairs Representative

- 1986 - 1987 - President, Western Canada District Branch, American Psychiatric Association
- 1986 - 1989 - Elected, Board of Directors, Canadian Psychiatric Association
- 1986 - 1988 - Coordinator, Psychiatry Study Group, National Speciality Manpower Review and member Standing Manpower Committee, The Royal College of Physicians and Surgeons of Canada
- 1987 - 1990 - Member, Committee on Constitution and By-laws, American College of Psychiatrists
- 1987 - 1992 - Member, Physician's Assistance Committee, Alberta Medical Association
- Feb 1988 - - Fellow, American College of Psychiatrists (F.A.C.P.)
- 1988 - 1992 - Re-appointed, Member Standing Manpower Committee, The Royal College of Physicians and Surgeons of Canada
- 1989 - 1991 - Chairman, Scientific Program Committee, Canadian Medical Society on Alcohol and Other Drugs First Annual Meeting
- 1989 - 1990 - Elected Member, Scientific Council, Canadian Psychiatric Association
- 1989 - 1998 - Member, Executive Committee, Alberta Psychiatric Association
- 1989 - 1993 - Member, Scientific Program Committee, Canadian Psychiatric Association
- 1990 - 1998 - Canada's Director, American Academy of Psychiatrists in Alcoholism and Addictions
- 1990 - 1996 - Chairman, Scientific and Research Council, Canadian Psychiatric Association
- 1990 - 1996 - Chair, Manpower Committee, Canadian Association of Professors of Psychiatry
- 1991 - 1993 - Elected, Board of Directors, American Society of Addiction Medicine
- 1991 - 1996 - Member, Committee on Membership Development, American College of Psychiatrists
- 1991 - 1993 - Elected Chairman, Canadian Association of Professors of Psychiatry
- 1992 - 1994 - Founding Chair, Section of Addiction Psychiatry, Canadian Psychiatric Association
- 1993 - 1994 - Re-elected Chairman, Canadian Association of Professors of Psychiatry
- 1993-1996 - Member, Committee on the Added Qualification Courses, American Academy of Psychiatrists in Alcoholism and Addictions
- Sept 1993 - - Elected, Board of Directors, Canadian Medical Society on Alcohol and Other Drugs
- 1993 - 1995 - President-Elect, Canadian Medical Society on Alcohol and Other Drugs (CMSAOD)
- 1995 - 1997 - Elected, Assembly Deputy-Representative, American Psychiatric Association
- 1995 - 1996 - Re-appointed, Chairman, Scientific and Research Council, Canadian Psychiatric Association
- 1995-1997 - President, Canadian Society of Addiction Medicine (CSAM)
- 1995-1997 - Editor, Bulletin of Canadian Society of Addiction Medicine (CSAM - ex CMSAOD)
- May 1996 - Consultant and Assembly Liaison, Council on Addictions, American Psychiatric Association

- July 1996 - - Executive Committee, Section Drug Dependence and Alcoholism, World Psychiatric Association
- 1996 - 2002 - Chairman, Canadian Psychiatric Association Research Network
- Jan 1997 - - Fellow, American Society of Addiction Medicine (F.A.S.A.M. - "the first 90")
- 1997 - 1999 - Member, Canadian Medical Association Advisory Group on Drug and Gambling Addictions
- 1997 - 2001 - Assembly Representative, American Psychiatric Association
- Sept 1997 - 1998 - President - elect, Canadian Psychiatric Association
- Aug 1997 - - Member, Council Affiliate Societies, Canadian Medical Association
- 1997 - 2000 - Member, PRITE Editorial Board, American College of Psychiatrists
- Apr 1998 - 1999 - Chair, Planning Committee, International Society of Addiction Medicine
- Sept 1998 - 1999 - President, Canadian Psychiatric Association
- Nov 1998 - - Member Executive, Council Affiliate Societies, Canadian Medical Association
- Apr 1999 - 2002 - Founding President, International Society of Addiction Medicine
- July 1999 - - Member, Royal College and American Board Task Force on Mutual Recognition of Training Programs in Psychiatry and Neurology
- Aug 1999 - - Chair, Drug Dependence and Alcoholism Section (Addiction Psychiatry), World Psychiatric Association
- Sept 1999 - - Past President, Canadian Psychiatric Association
- 1999-2002 - Founding Chair, Board of Trustees, The Foundation of the Canadian Psychiatric Association
- Aug 2001- 2004 - Elected Chair, Council Affiliate Societies (45), Canadian Medical Association
- Member, Board of Directors, Canadian Medical Association
- Sept 2001 - - Member, CMA's Health Care Sustainability Task Force for Romanow Commission
- Oct 2001 - - Honorary Membership, Canadian Society of Addiction Medicine
- Aug 2002 - - Re-elected Chair, Addiction Psychiatry Section, World Psychiatric Association
- Oct 2002-2005 - - Re-elected President, International Society of Addiction Medicine
- Jan 2003-2010 - - Member, PIPE, Psychiatrists in Practice Examination, Editorial Board, American College of Psychiatrists and Star prize 2003
- Distinguished Fellow, American Psychiatric Association
- Apr 2003 - - Member, American Society of Addiction Medicine Scientific Program Committee
- Mar 2004 - - Founder, Section of Addiction Medicine, Alberta Medical Association
- May 2004 - - Distinguished Life Fellow, American Psychiatric Association
- Dec 2004 - - First Honorary Fellow, Italian Society of Addiction Psychiatry
- Apr 2005 - - Executive Medical Director, International Society of Addiction Medicine

- Past Founding President
- May 2005 - Member, Alberta Medical Association – AADAC Steering Committee
- July 2005 - Chief Examiner, International Society of Addiction Medicine
- Sept 2005-2008 - Re-elected, Third term Chair, Addiction Psychiatry Section, World Psychiatric Association
- Dec 2005 - Founders' Award, American Academy of Addiction Psychiatry
- Oct 2006 - Fellow, Canadian Psychiatric Association
- Mar 2007 - Honorary Membership, Canadian Medical Association
- June 2007 - Member Emeritus, Alberta Medical Association
- Oct 2007 - Best Doctors in Canada, peer choice list
- Charles Roberts Award for Clinical Leadership, Canadian Psychiatric Association
- Oct 2008 - Chair, Local Organizing and Scientific Committees, Joint International and Canadian Associations of Addiction Medicine: the Anniversary meetings, Calgary 2009.
- Sept 2009 - Chair, Joint International and Canadian Associations of Addiction Medicine Anniversary Meetings, Calgary
- Nov 2009 - Board Member, Canadian Society of Addiction Medicine
- Jan 2011 - Member, College on Problems of Drug Dependence
- Oct 2011 - Senior Editor, The International Textbook of Addiction Treatment, International Society Addiction Medicine – Springer
- Nov 2011 - Distinguished Fellow, Canadian Psychiatric Association
- Dec 2011 - Distinguished Fellow, American Academy of Addiction Psychiatry
- Jan 2012 - Best Doctors in America, peer choice list
- Co-Chair, Dual Diagnoses Section, World Psychiatric Association
- Jun 2012 - Editor-in-Chief, Canadian Journal of Addiction (CJA/JCA)
- Oct 2014 - Chair, Organizing Committee, Annual Meeting, Canadian Society of Addiction Medicine, Banff 2015
- Dec 2014 - Overseas Fellow, Royal Society of Medicine, UK
- July 2015 - Zonal Representative, Board, World Association on Dual Disorders
- Oct 2015 - Chair, Organizing Committee, Annual Meeting, International Society of Addiction Medicine (ISAM), Montreal 2016
- Chair, Council Regional Representatives, International Society Addiction Medicine (ISAM)
- Jan 2016 - Distinguished Fellow, American Society of Addiction Medicine (DFASAM)
- July 2016 - Elected, Board, International Society of Addiction Journal Editors (ISAJE)
- Oct 2016 - Fellow, International Society of Addiction Medicine (ISAM), #2016-16
- Feb 2017 - Editor-in-Chief, International Addiction Review (IAR)

RESEARCH ACTIVITIES

- July 1974 - Grant \$1,500 from Research Fund, Royal Ottawa Hospital
- 1977 - 1987 - Member, Research Committee, Department of Psychiatry, University of Manitoba
- June 1978 - Grant \$4,000 from St. Boniface Research Foundation
- June 1979 - Grant \$5,000 from St. Boniface Research Foundation
- Sept 1979 - Grant \$4,000 from Canadian Psychiatric Association
- 1981 - 1987 - Member, Scientific Advisory Committee, St. Boniface Research Foundation
- Mar 1981 - Grant \$8,275 from Manitoba Mental Health Research Foundation
- July 1981 - Chairman, Task Force on Research Development, Department of Psychiatry, University of Manitoba
- June 1982 - Supervision of 2 medical students' B.Sc. Projects
- 1982 - 1987 - Associate Head in charge of Research, Department of Psychiatry, University of Manitoba
- May 1984 - Grant \$2,200 - Ruth Hurd Fund, University of Manitoba
- Apr 1985 - Grant \$8,000 - University of Manitoba
- Oct 1985 - External Surveyor, Quebec's Fonds de la Recherche en Sante
- Mar 1986 - External referee, Medical Research Council
- Ph.D. External Examiner, Dr. E.D. Moore, "Children of Alcoholics", Fielding Institute, Santa Barbara, CA.
- June 1986 - Grant, \$16,000 - Ruth Hurd Fund and Psychiatry Fee Pool Fund, St. Boniface General Hospital
- Nov 1986 - Grant \$11,200 - Canadian Psychiatric Association - Psychiatric Manpower Review
- External Referee, Ontario Mental Health Foundation
- Apr 1988 - Grant \$6,000, Foothills Hospital, towards National Course "Administration in Mental Health"
- Oct 1988 - Member, Alberta Mental Health Advisory Council's Research Committee
- March 1989 - PhD Supervisory Committee, Dr. A. Sheldon, "Personality Disorders and Attachment", Medical Sciences Graduate Program, University of Calgary
- June 1989 - Elected Vice-Chairman, Alberta Mental Health Advisory Council's Research Committee
- PhD External Examiner, Dr. D.J. Clair, "An Examination of the Adjustment of the Offspring of Alcoholics from a Relational Perspective of Stress", University of Saskatchewan
- Nov 1989 - Grant \$2,000, University of Calgary, NOVSEC "Children of Alcoholics".
- Dec 1989 - Grant \$24,968, "Attachment Patterns Among Children of Alcoholics", Alberta Mental Health Advisory Council.
- Sept 1990 - Member, Research and Development Committee, Foothills Hospital
- Dec 1990 - Grant Co-Investigator \$69,600 "Prospective Study of Substance Abuse Relapse in Substance Abusers With and Without Mood Disorder Histories", Alberta Mental Health Research Fund.

- Oct 1991 - Grant \$5,000 "Research manpower supply in psychiatry", Canadian Association of Professors of Psychiatry and Canadian Psychiatric Association
- June 1992 - Grant Co-Investigator \$5000 "Factors Predicting Compliance in Group Therapy for the Mentally Ill Substance Abuser", Foothills Research and Development Fund.
- Sept 1992 - Grant \$122,500 "CME of Physicians on Substance Abuse", Alberta Family Life and Substance Abuse Foundation.
- Sept 1993 - PhD Supervision Mr. Harvey Smith "Substance Abuse and the Family"
- Nov 1993 - Reviewer, Quebec's Fonds de la Recherche en Sante
- Jan 1994 - Reviewer, National Health Research & Development Program (NHRDP)
- Mar 1994 - Grant Co-Investigator \$8,733 "Long-Term Follow-up of Substance Abuse and Mood Disorders", Alberta Mental Health Research Fund
- Nov 1994 - Grant \$30,000 "Implementation of a Continuous Care Model", Alberta Health
- Jan 1995 - Scholarship \$4,000 for Mr. H. Smith
- Mar 1995 - Member, Planning Committee \$7500 "Standardized Patients in Substance Abuse, Pain Control and HIV" Josiah Macy Jr Foundation, New York
- Apr 1995 - Grant Co-Investigator \$16,182 "Group Treatment for Substance Abusing Schizophrenics", Alberta Mental Health Research Fund
- Coordinator, Calgary Site, Canadian Community Epidemiology Network on Drug Use (CCENDU) \$8,000, National Health Research & Development Program (NHRDP) and Matt Newell Fund
- Dec 1995 - Grant Co-Investigator \$40,253 "Smoking Cessation Group for Schizophrenia", National Health Research and Development Program
- Grant \$5,000 "Substance Abuse and Emergency Room Data", Health and Welfare
- Jan 1996 - Site reviewer, Addiction Research Foundation's Biobehavioral Research Programs, Ontario
- Mar 1996 - Grant Co-Investigator \$58,954 "Natural Recovery from Gambling Problems", Alberta Heritage Foundation for Medical Research and Alberta Alcohol and Drug Abuse Commission
- May 1997 - Grant \$11,000 "Continuing Medical Education in Substance Related Disorders: A Systematic Review of the Impact of Intervention Strategies" Le Riche Endowment for Research and Education in Substance Abuse
- Aug 1997 - PhD Thesis completion, Dr. Harvey Smith "Motivation for Change in Adolescent Substance Abuse Patients"
- Sept 1997 - MSc Supervisory Committee, Ms. Kate Diskin
- Dec 1997 - Grant Co-Investigator US \$107,467 "Critical Dimensions of Relapse in Pathological Gambling", National Centre for Responsible Gambling, Washington
- Mar 1998 - Grant Co-Investigator \$64,000 "Minimal Self-Help Interventions with Problem Gamblers", Alberta Heritage Foundation for Medical Research
- Summer Scholarship Program (L. Michaud) \$3500: "Gender differences in alcoholic relapse". Alberta Mental Health Research Fund.
- Sept 1998 - Grant \$5,000 "Analysis, Canadian Psychiatric Association's Practice Research Network's First Survey", Canadian Psychiatric Association.
- Feb 1999 - Grant Co-Investigator \$3,100 "Alcoholism, Depression and Smoking", Calgary Regional Health Authority

- Nov 1999 - Grant \$5,000: "Analysis Canadian Psychiatric Association's Practice Research Network's Second Survey", Canadian Psychiatric Association.
- Jan 2000 - MSc Thesis completion, Ms. Kate Diskin. "Psychophysiological arousal in problem and non-problem video lottery gamblers", granted Best Master Thesis Award, National Council on Problem Gambling, Philadelphia.
- Mar 2000 - Grant Co-Investigator \$62,000 "Non-pharmacological Treatment of Insomnia in Recovering Alcoholics", Alberta Heritage Foundation for Medical Research.
- June 2000 - Memorandum of Collaboration, Russian Federation Research Institute on Addictions.
- July 2000 - Grant \$9,000: "Biopsychological Determinants of Pathological Gambling: Management Implications", Alberta Gaming Research Institute.
- Grant \$5,000: "Mental Health Care and Smoking Cessation: Towards Responsible Policies", Calgary Regional Health Authority.
- Grant \$1,000: "Aboriginal Prescription Drug Misuse". Le Riche Endowment Fund for Research and Education in Substance Abuse.
- Grant Co-Investigator \$4,000: "The Effect of Disulfiram on Cocaine Craving", Le Riche Endowment Fund for Research and Education in Substance Abuse.
- Nov 2000 - Grant \$50,750: "Gambling Craving and its Relation to Addiction and Personality". Alberta Gaming Research Institute.
- Grant Co-Investigator \$122,500: "Preventing Relapse in Former Gamblers". Alberta Gaming Research Institute.
- Visiting Scholar Grant, Psychiatric Research Institute [FAPESP], State of Sao Paulo, Research Funding Agency, Brazil
- Jan 2001 - Grant \$11,000: "Disability and Mental Illness". Canadian Psychiatric Association.
- Apr 2001 - Grant Co-Investigator \$3,000,000: "Illicit opiate addiction, treatment and policy in Canada: A cross-disciplinary comprehensive and concerted research initiative." PI: B. Fisher, Canadian Institutes of Health Research, Leader In-depth Studies A-C, IHRT for 6 sites over 4 years.
- Jun 2001 - Grant \$6,000: "Craving, Personality and other female vulnerability factors leading to alcohol and drug dependence". Calgary Regional Health Authority.
- Grant \$60,000: "Gambling behaviors cohort proposal". Alberta Gaming Research Institute.
- Nov 2001 - Grant Co-Investigator \$40,000: "Functional Magnetic Resonance Imaging of Pathological Gamblers". Alberta Gaming Research Institute.
- Jan 2002 - Jury member, Douglas Utting National Prize for research in Mood Disorders
- April 2002 - Grant Co-Investigator \$7,170: "Personality changes in women recovering from substance-related dependence". Center for Advancement of Health, Calgary Health Region
- Sept 2002 - Grant Co-Investigator \$77,471: "Education, Prevention, Cessation and Protection Activities under the Alberta Tobacco Reduction Strategy". Alberta Alcohol & Drug Abuse Commission.
- Sept 2002 - Grant Co-Investigator \$7,500: "A pilot, open-label trial of Gabapentin for Smoking Cessation". Centre for Advancement of Health.
- Oct 2002 - Grant Co-Investigator \$34,127: "The influence of substance abuse and mood disorders on outcome from pathological gambling". Alberta Gaming Research Institute.
- Jun 2003 - Grant \$30,000: "Gambling behaviors cohort proposal". Alberta Gaming Research Institute.
- Nov 2003 - Grant Co-Investigator \$25,000: "An empirical approach to developing low-risk gambling guidelines". Alberta Gaming Research Institute.

- Grant Co-Investigator \$39,299: "Descriptive epidemiology of major depression in the Canadian population". Canadian Institute Health Research [INMHA]

Jan 2004

- Grant \$1.85 million: "Gambling behaviors cohort proposal" over five years. Alberta Gaming Research Institute.
- Grant \$15,000: "Genetics of alcoholism and clinical relevance: an update". Alcohol and Drug Abuse Commission.

Oct 2004

- Grant, Co-Investigator \$72,584: "fMRI and Gambling". Alberta Gaming Research Institute
- Grant, Co-Investigator \$8,000: "Clinical utility of urine frequency in substance abuse treatment". Calgary Laboratory Services.

Jan 2005

- Grant, Co-Investigator \$10,000: "Problem and Pathological Gambling in Parkinson's Disease". Alberta Gaming Research Institute.
- Grant, Co-Investigator \$6,900: "Smoking, nicotine dependence and motivation for smoking cessation in psychiatric inpatients". Calgary Health Region.
- Grant, Co-Investigator \$20,000: "Baclofen and Buprenorphine SR Combination Pharmacotherapy for Smoking Cessation: A Phase I Clinical Trial, URGC.

Feb 2005

- Grant \$50,000: "Adaptation of the Reno Model for gambling policies". Alcohol and Drug Abuse Commission.

May 2005

- Member, Data Safety Monitoring Board (DSMB) for North American Opiate Medication Initiative (NAOMI).

Jun 2005

- Grant, Co-Investigator \$89,764 (Y1 \$46,289): "Utilizing social norming and personalized feedback strategies to reduce binge drinking and drinking related consequences on university campuses". Alberta Heritage Foundation for Medical Research.

June 2006

- NIDA travel grant US\$1,250.00 International Forum, Scottsdale, AZ

July 2006

- Grant \$149,600: "Factors influencing the Development of Responsible Gambling: Candidate Gene Study". Alberta Gaming Research Institute.

Oct 2006

- Grant \$397,430; "Leisure, Lifestyle, Lifecycle" Study. Alberta Gaming Research Institute.

Nov 2006

- UK National Institute for Health Research. Programme Grant Reviewer

Apr 2007

- ISAM Conference Grant, Co-Investigator. US\$40,000 National Institutes of Health.

Jan 2008

- ISAM Conference Grant, Co-investigator US\$40,000 per year for 3 years. National Institutes of Health.

June 2008

- PhD Thesis, External Examiner. Tracie O. Afifi. "Problem gambling among women in Canada". Faculty of Graduate Studies, University of Manitoba.

Dec 2008

- Grant Co-Investigator \$111,611 "Measuring Addictions and Mental Health Problems in Alberta: Phase I. Systematic Literature Review and Measurement" with Dr. D. Hodgins. Norlien Foundation.

Nov 2008-Dec 2009

- Canadian Institute of Health Research Emerging Team Grant: Comorbidity of Brain Disorders and Other Health Problems Peer Review Committee.

April 2009

- Reviewer, Doctoral Fellowship Program, Austrian Academy of Sciences. Candidate: Elisabeth Hefler.

June 2010

- NIDA Travel Grant: US \$1,000 International Forum, Scottsdale, AZ.

July 2010

- MSc Thesis Committee, Mr. Shady Beshai "Cognition and Depression in Egypt and Canada. An examination of the cognitive triad", University of Calgary, Faculty of Graduate Studies.

Oct 2010

- Grant Co-Investigator \$65,000 "Leisure, Lifestyle, Lifecycle" Study. Alberta Gaming Research Institute.

- March 2011
- Reviewer, Canada Research Chair renewal – N. Brunelle PhD, L'Université du Québec, Trois-Rivières.
 - Member, Scientific Committee, Fonds de Recherche Société et Culture, Quebec re: Research Chair on Responsible Gambling-I Giroux PhD and S Kairouz PhD
- Oct 2012
- Grant \$15,800 Leroy LeRiche Endowment for Research and Education in Substance Abuse
 - Grant Co-Investigator – Measuring Addictions and Mental Health Problems in Alberta: Item Development
- Dec 2012
- Grant Co-Investigator \$148,579 “Assessing Transitions in Problem Gambling in a Longitudinal Study” with Dr. D. Hodgins, Alberta Gambling Research Institute
- Jan 2013
- Research Director, Alberta Gambling Research Institute
- May 2013
- External evaluation, Dr. Rani Hoff’s Promotion to Full Professorship – Investigative Track, Yale Medical School
- May 2013
- PhD Dissertation evaluation, Dr. Sari Castren, Helsinki University, Finland
- Jan 2014
- Member, International Review Committee COSMO (Cocaine and Mental Health) Drs. Bruneau & Roy (PI’s), University of Montreal, CIHR grant
- Nov 2014
- PhD Thesis, External Examiner. Shadi Beshai. “The schema theory of depression: a cross-cultural validation in a Canadian and an Egyptian sample”, University of Calgary, Faculty of Graduate Studies
- June 2015
- NIDA Travel Grant \$800.00. International Forum, Scottsdale, AZ

SELECT INVITED ADDRESSES

- Apr 1978
- Guest Speaker, National Council on Alcoholism, Annual Meeting, St. Louis, Missouri. Topic - "The Children of Alcoholics"
- Dec 1981
- Guest Speaker, Health and Welfare Canada, Ottawa. Topic - Psychiatric Manpower
- Oct 1982
- Chairman, Symposium on Depression and Old Age - 8 hours credit, College of Family Physicians, Winnipeg
- Jan 1983
- Guest Speaker, Symposium "Dilemmas in Medicine", Catholic Physicians Guild, Winnipeg
- May 1984
- Guest Speaker, Western Canada APA District Branch's Annual Meeting, Vancouver. Topic: "Psychiatry and the Media"
- Aug 1986
- Guest Speaker, Area 7 Council Meeting, American Psychiatric Association, Victoria. Topic: "Canadian Medicare"
- Jan 1988
- Academic Lecturer, Ontario Psychiatric Association's Annual Meeting - Topic: "Psychiatric Manpower in Canada"
- April 1990
- Public workshop "Dual Diagnosis", Cariboo College, Kamloops and Victoria, B.C.
- Oct 1990
- Guest Plenary Speaker, Joint meeting Canadian Medical Society on Alcohol and Other Drugs and Federation des Médecins Omnipraticiens du Québec. Topic: "Clinical Management of Addictions with Psychiatric Co-morbidity", Montreal.
- Nov 1990
- Keynote Speaker, Dual Disorders Conference, Toronto sponsored by Ontario Ministry of Health and University of Toronto - Topic: "Substance Abuse and Mental Illness: The Canadian Experience".

- 1989 - 1990 - University Grand Rounds Alberta, Manitoba, Western Ontario and Hawaii – Topics: "Dual Diagnosis" and "Adult Children of Alcoholics".
- 1991 - University Grand Rounds Queens, Ottawa, Newfoundland, Dalhousie and Manitoba Topic: "Substance Abuse and Mental Illness".
- Oct 1991 - Guest participant, Symposium on Dual Disorders by Canadian Centre on Substance Abuse at III Congress, World Association for Psychosocial Rehabilitation, Montreal.
- Invited participant, National Consensus Symposium on Children of Alcoholics and Co-Dependency ADAMHA, Airlie, Virginia.
- Aug 1992 - International exchange scientist, Sapporo Medical College, Hokkaido, Japan. Topics: "Risk Research and Alcoholism" and "Substance Abuse and Mental Illness".
- Plenary session speaker on "Alcoolisme et Toxicomanies" Annual Meeting, Association des Medecins de Langue Francaise du Canada.
- Oct 1993 - Visiting Professor, Kagawa Medical School, Shikoku, Japan. Topics: "The Addiction Centre, Foothills Hospital and University of Calgary" and "Research Activities at the Addiction Centre"
- Oct-Nov 1994 - Visiting Professor, King Saud University, Riyadh, Saudi Arabia. Topics: "Alcoholism: An Update", "Drug Abuse and Legal Implications", "Evolution of Mental Health Care in Canada", "Developing a Research Agenda in Mental Health"
- External examiner, Diploma and Fellowship Exams, Saudi Arabia
- Apr 1995 - Invited faculty, Mount Sinai Medical Center, New York. Topic: "Standardized Patients and Competency in Substance Abuse"
- Aug 1995 - Plenary Session Speaker on "Social Policy and Health Care Reform in Canada and its Impact on Addiction Medicine". International Symposium "Addictive Disease Issues for the 21st Century", American Society on Addiction, Vancouver
- Oct. 1995 - Keynote Speaker "A Day in Psychiatry", Stratford, Ontario. University of Western Ontario.
- June 1996 - Guest Speaker, "Partnership for Recovery" - Rideau Hall, Ottawa
- October 1996 - University Grand Rounds Medical College of Wisconsin (Milwaukee) and University of Manitoba, "Substance Abuse and Mental Illness: recent investigations"
- January 1997 - Keynote Speaker, National Conference on Dual Diagnoses, Lillehammer, Norway
- May 1997 - Guest Speaker, Annual Meeting, New Brunswick Psychiatric Association
- June 1997 - Keynote speaker, Second Addiction Medicine Annual Conference, Estoril, Portugal "Substance abuse and Dual Diagnoses"
- University Grand Round: Department of Psychiatry, Porto, Portugal "Addiction Medicine: An update"
- Sept 1998 - Invited Speaker: Medical Education and Alcohol-Related Problems. Third Campral European Symposium, Lisbon
- Oct 1998 - Guest Speaker: Services de Toxicomanie pour personnes presentant des troubles psychiatriques. Association des Hopitaux du Quebec, Montreal
- Apr 1999 - Guest Speaker, Alberta Psychiaric Association Annual Meeting. "Addiction medicine: An Update", Banff, AB
- Plenary Session Speaker "The World of ISAM", Founding Meeting, International Society of Addiction Medicine, Palm Springs, CA

- May 1999 - Guest Speaker, Saskatchewan Psychiatric Association Annual Meeting. "Anxiety and Addiction", Saskatoon
- University Grand Rounds, Department of Psychiatry, University of Manitoba. "Pathological Gambling", Winnipeg
- June 1999 - Invited Speaker, "Substance-related Disorders and Chronic Psychosis". The North American Experience. Royal College of Psychiatrists, Birmingham, England.
- Guest Speaker, "The Ambulatory Care Treatment of Substance Abuse", Charlottetown, Prince Edward Island.
- Sept 1999 - Presidential Address, "The Pioneering Aspects of Psychiatry", Canadian Psychiatric Association, Toronto.
- Oct 1999 - University Grand Round, Department of Psychiatry, McMaster University, "Substance -related Disorders, Schizophrenia and Chronic Psychosis", Hamilton, Ontario
- Guest Speaker, Homewood Health Centre, "Sequential Psychotherapy in Addiction Medicine", Guelph, Ontario.
- Jan 2000 - Guest Participant, World and American Psychiatric Associations Panamerican Forum, San Diego.
- Feb 2000 - Visiting Professor, Al-Amal Hospital Network for Addiction and King Saud University, Riyadh, Saudi Arabia. Topics: "Benzodiazepine Treatment and Safety", "Training requirements in Addiction Psychiatry", "The role of the psychiatrist and dual diagnosis" "Addiction: conceptual advances and treatment implications".
- May 2000 - Keynote address, Royal Ottawa Health Care Group and Centre for Addiction and Mental Health's Dialogue on Concurrent Disorders, "One Size does not fit all: Customizing clinical applications", Ottawa.
- May 2000 - Guest participant, International Council on Alcohol Policies, "Alcohol Initiatives: Towards a global charter on alcohol", Geneva, Switzerland.
- Jun 2000 - Keynote address, Mount Royal College's Interventions for the 21st Century, "Caring for the Addicted: Bridging Research and Practice", Calgary, AB.
- Visiting Professor, Russian Federation Research Institute on Addictions, "North American Research and a Framework for Practice", Moscow, Russia.
- Nov 2000 - Visiting Professor, State of Sao Paulo, Research Funding Agency, Sao Paulo, Brazil.
- Jul 2001 - Keynote Speaker, "Winter in the Sun" Annual Addiction Meeting, Brisbane, Australia
- Presenter, Medical School Rounds, Otago University, Christchurch, New Zealand.
- Sept 2001 - Keynote Speaker, International Council on Alcohol and Addictions, Heidelberg, Germany
- Keynote Speaker, "Addiction Medicine: a Global Perspective", Tel Aviv, Israel; Trieste, Italy & Ljubljana, Slovenia
- Oct 2001 - Guest Speaker, "Reducao de Danos", Commission of Social Security and Family. Camera Dos Deputados, Brasilia
- Jan 2002 - Guest Speaker, "International Addiction Medicine", Cairo University and World Psychiatric Association, Sharm-el-Shiekh, Egypt.

- Apr 2002 - Guest Speaker, "Una estrategia global en la lucha contra las drogas y otras dependencias: hacia el equilibrio y la integracion", Secretaria para la Prevencion de la Drogadiccion y La Lucha contra el Narcotrafico (SEDRONAR), Buenos Aires, Argentina.
- Sept 2002 - Keynote Speaker: "Promoting a balanced and integrated Global Drug & Dependencies Strategy". World Forum on Drugs and Dependencies, Montreal.
- Oct 2002 - Guest Speaker: "Global Drug Strategies: The Role of the Physician". International Society of Addiction Medicine Annual Meeting, Reykjavik, Iceland.
- Apr 2003 - University of Manitoba Grand Rounds, Dept of Psychiatry, "Psychiatry and the Insurance Industry: Worlds Apart?"; Workshop "Challenges in Addiction Medicine".
- Jun 2003 - Keynote Speaker: "Perspectives on the Future of Addiction Management" III Seminario Internacional ERAdicciones, Santiago, Chile.
- Oct 2003 - Visiting Professor: "Skill Training Course in Addiction". Cairo University, Cairo, Egypt
- Keynote Speaker: "Substance Related Disorders and Mental Illness: Is there a Global Perspective". Diagnosticos Duplos, Oporto, Portugal.
- Jun 2004 - Keynote Speaker: "International Drug Strategies and Treatment Implications", Official opening, UTITA Treatment Centre, Lisbon, Portugal.
- Oct 2004 - Keynote Speaker: "Addiction Medicine in Canada: Challenges and Opportunities", Canadian Society of Addiction Medicine Annual Meeting, Toronto.
- Dec 2004 - Guest Lecturer: "ISAM and the University of Cairo: Current and Future Partnerships", Cairo University, Egypt.
- Apr 2005 - Plenary Speaker: "Managing Addictions: Global Contexts and Challenges. What ISAM taught me!" Seventh International Society of Addiction Medicine Annual meeting, Mar del Plata, Argentina, April 21-24, 2005.
- Sept 2005 - Special Lecturer: "Managing Addiction: International Perspective on Challenges and Promises". World Psychiatric Association Annual Meeting, Cairo, Egypt, Sept 2005.
- Sept 2006 - Keynote Speaker: "El control de los problemas de juego: opciones terapeuticas". Fundacion Gaudium & Agencia Antidrogas de la Comunidad de Madrid, Madrid, Spain.
- Jan 2010 - Plenary Speaker: "Trauma and substance abuse: Challenges in management". Saudi Arabia Medical Services Armed Forces, Sixth Annual Conference, Riyadh, Saudi Arabia.
- Oct 2010 - Opening Lecturer: "Defining behavioral addictions: Research dimensions", International Society of Addiction Medicine, Milan, Italy.
- Plenary Speaker: "Strategies for defining behavioral addictions". Canadian Society Addiction Medicine, Charlottetown, PEI.
- Oct 2012 - Plenary Speaker: "Disordered gambling: investigating causes and their management implications". International Society of Addiction Medicine, Geneva, Switzerland.
- Nov 2013 - Plenary Speaker: "Treatment Insights from Behavioral Addictions". 15th International Society of Addiction Medicine, Kuala Lumpur, Malaysia.
- Oct 2016 - Invited Speaker: "Opioid Crisis in Canada". House of Commons Standing Committee on Health, Ottawa, Canada.

AWARDS

- June 1972 - 1st prize, 2nd Psychiatric Residents' National Forum Frank W. Horner, Ltd.
- Mar 1980 - Outstanding Young Manitoban Award for 1979 (Manitoba Jaycees - Junior Chamber of Commerce)
- May 1993 - Recognition Award, American Society of Addiction Medicine
- May 1999 - Recognition Award, Mexican Psychiatric Association
- Oct 2001 - Honorary Membership, Canadian Society of Addiction Medicine
- Oct 2002 - Queen Elizabeth II Golden Jubilee Medal, independently nominated by Federal riding Calgary-Nose Hill and Canadian Medical Association.
- Mar 2004 - Faculty of Medicine's Guenter Distinguished Achievement Award in International Health, University of Calgary
- May 2004 - Distinguished Life Fellowship, American Psychiatric Association
- Dec 2004 - First Honorary Fellow, Italian Society of Addiction Psychiatry
- Nov 2005 - Alberta Centennial Medal, nominated by Calgary Foothills Provincial Riding
- Dec 2005 - Founders' Award, American Academy of Addiction Psychiatry
- Oct 2006 - Fellow, Canadian Psychiatric Association
- Mar 2007 - Honorary Member, Canadian Medical Association
- June 2007 - Member Emeritus, Alberta Medical Association
- Oct 2007 - Best Doctors Canada
- Nov 2007 - C.A. Roberts Award for Clinical Leadership, Canadian Psychiatric Association
- Nov 2011 - Distinguished Fellow, Canadian Psychiatric Association
- Dec 2011 - Distinguished Fellow, American Academy of Addiction Psychiatry
- Jan 2012 - Best Doctors in America
- May 2013 - Top 10 cited Can J Psychiatry articles of all time – No. 7, Crockford DN, el-Guebaly N. 43:43-50, 1998 – 161 citations in Canadian Psychiatry Aujourd'hui, Spring 2013, p.14.
- Oct 2013 - Honorary Member, Spanish Society of Dual Pathology
- Jan 2016 - Distinguished Fellow, American Society of Addiction Medicine
- Oct 2016 - Fellow, International Society of Addiction Medicine (ISAM), #2016-16
- July 2017 - Appointed Member, Order of Canada, by Governor General David Johnston

PUBLICATIONS

PEER REVIEWED MANUSCRIPTS:

- (1) el-Guebaly N. The Narcissistic Component in the Management of Young Heroin Addicts. First Prize, Psychiatric Residents National Forum, Horner's Publications, pp. 3-12, 1972.

- (2) el-Guebaly N. Manic Depressive Psychosis and Drug Abuse. *Canadian Psychiatric Association Journal*, 20:595-598, 1975.
- (3) el-Guebaly N, Lee M. Alcoholism and Gun Control. *Canadian Psychiatry Association Journal*, Review Article, 22:243-251, 1977.
- (4) el-Guebaly N, Offord DR. The Offspring of Alcoholics - A Critical Review. *American Journal of Psychiatry* - Lead Article, 134:357-365, 1977. Abstracted by *Psychiatry Digest*, August, 1977; *Today in Psychiatry*, February 1978; *Mind and Medicine*, February, 1978.
- (5) el-Guebaly N, Offord DR, Sullivan, KT, Lynch G. The Psychosocial Adjustment of the Offspring of Psychiatric Inpatients. The Effect of Alcoholic, Depressive and Schizophrenic Parentage. *Canadian Psychiatric Association Journal*, 23:281-291, 1978.
- (6) el-Guebaly N, Offord DR. On Being the Offspring of an Alcoholic: An Update. *Alcoholism: Clinical and Experimental Research*. 3(2): 148-157, 1979.
- (7) el-Guebaly N, Holmes L. The Methadone Maintenance Experience: Its Impact on the Future of Chemical Dependency. *Canada's Mental Health*, 28(1): 15-17, 1980.
- (8) el-Guebaly N, Offord DR. The Competent Offspring of Psychiatrically Ill Parents. A Literature Review. *Canadian J. Psychiatry* 25(6): 457-463, 1980.
- (9) Toews J, Prabhu, V, el-Guebaly N. Commitment of the Mentally Ill - Current Issues. *Canadian J. Psychiatry*, 25(8): 611-618, 1980. Abstracted in *Sociological Abstracts*, Inc.
- (10) el-Guebaly N, Davidson W, Sures HA, Griffin W. The Monitoring of Saliva Drug Levels - Psychiatric Applications. *Canadian J. Psychiatry*, 26:43-48, 1981. Abstracted in *International Medical News Group* and *International Synopsis*.
- (11) Toews J, el-Guebaly N, Leckie A. Patient's Reactions to their Commitment. *Canadian J. Psychiatry*, 26:251-254, 1981. Abstracted by *A.P.A. Psychiatric News* (16(8): 25, 1981 and *International Synopsis*.
- (12) el-Guebaly N, el-Guebaly A. Alcohol Abuse in Ancient Egypt. The Recorded Evidence. *The Intern Journal of the Addictions* 16(7): 1207-1221, 1981. Abstracted by *The Journal* 11(5):9, 1982, *The Chicago Tribune* June 7, 1982 and *The Montreal Globe*.
- (13) Watt JA, el-Guebaly N. The Chronic Mental Patient. *Canadian J. Psychiatry*, 16(7): 494-501, 1981.
- (14) el-Guebaly N, Toews J. Strike Action at the Major Teaching Facility. *Administration in Mental Health*, 10(1):13-21, Fall, 1982.
- (15) el-Guebaly N, Leichner P. Psychiatric Manpower in Canada. The 1980 Surveys. National and Interprovincial Comparisons. *Canadian J. Psychiatry*, 27:486-496, 1982.
- (16) el-Guebaly N, Leichner P. Significance of Psychiatrist Subgroups as Manpower Variables. *Canadian J. Psychiatry*, 27:496-502, 1982.
- (17) Leichner P, el-Guebaly N. Future Career Intentions of Psychiatric Residents. *Canadian J. Psychiatry*, 27:502-509, 1982.
- (18) el-Guebaly N, Leichner P. An Empirical Estimation of Psychiatric Manpower Needs. *Canadian J. Psychiatry*, 27:509-515, 1982.
- (19) el-Guebaly N, Toews J et al. On Evaluating Patient Satisfaction: Methodological Issues. *Canadian J. Psychiatry*, 28:24-29, 1983.
- (20) el-Guebaly N. Mental Health Services for the Elderly: European Models. *World Health Forum*, W.H.O., 4:63-68, 1983.

- (21) Atchison B, el-Guebaly N. The Joint Women's Clinic or Menopause Re-visited. *Canadian J. Psychiatry*, 28:640-645, 1983.
- (22) Prabhu V, el-Guebaly N. Cortisol Secretion and DST: Methodological Concerns. *Canadian J. Psychiatry*, 28:602-611, 1983.
- (23) el-Guebaly N, Papineau D. Economical Constraints and Quality Assurance in Mental Health Services: Sensitive Indicators. *Canadian J. Psychiatry*, 29:115-120, 1984.
- (24) el-Guebaly N. The Interaction with Allied Non-Medical Professions. The Canadian Psychiatric Association's Guidelines. *Canadian J. Psychiatry*, 29:163-168, 1984.
- (25) el-Guebaly N, Atchison B, Hay W. The Menopause: Stressors and Facilitators. *Canadian Medical Association Journal*, 131:865-869, 1984.
- (26) Toews J, el-Guebaly N, Leckie A, Harper D. Patients' Attitudes at the time of their Commitment. *Canadian J. Psychiatry*, 29:590-595, 1984
- (27) Matas M, el-Guebaly N, Peterkin A, Green M, Harper D. Mental Illness and the Media. An assessment of attitudes and communication. *Canadian J. Psychiatry*, 30:12-17, 1985
- (28) el-Guebaly N, Prosen H, Bebchuk W. On Direct Patient Participation in the Cost of their Psychiatric Care. I - A Review of the Empirical and Experimental Evidence. *Canadian J. Psychiatry*, 30:178-183, 1985.
- (29) el-Guebaly N, Prosen H, Bebchuk W. On Direct Patient Participation in the Cost of their Psychiatric Care. II - Access to Services, Impact on Practice and Training Implications. *Canadian J. Psychiatry*, 30:184-189, 1985
- (30) el-Guebaly N, Bebchuk W, Prosen H. Payment for Psychiatric Services. Canada's Insurance System. *Hospital and Community Psychiatry*, 36:628-632, 1985.
- (31) el-Guebaly N. Risk Research in Affective Disorders and Alcoholism. *Epidemiological Surveys and Trait Markers*. *Canadian J. Psychiatry*, 31:352-361, 1986. Abstracted in *Clinical Review* 3 (3): 1, 1988.
- (32) Toews J, el-Guebaly N, Leckie A, Harper D. Change in Time in Patients' Reactions to Commitment. *Canadian J. Psychiatry*, 31:413-415, 1986.
- (33) Matas M, el-Guebaly N, Harper D, Green M, Peterkin A. Mental Illness and the Media. Content Analysis of Press Coverage of Mental Health Topics. *Canadian J. Psychiatry*, 31:431-433, 1986.
- (34) el-Guebaly N. Alcohol, Alcoholism and Biological Rhythms. *Alcoholism: Clinical and Experimental Research*, 11:139-143, 1987.
- (35) el-Guebaly N. Chronobiological Susceptibility to Alcoholism: A Hypothesis. *Am J Drug and Alcohol Abuse*, 13(4), 449 - 459, 1987
- (36) el-Guebaly N, O'Riordon J. Manitoba's Methadone Program. The First 15 Years. *Canadian Medical Association Journal*, 138: 407 - 408, 1988.
- (37) el-Guebaly N. Peer Review: Empirical Data Base and Practical Implications. *Canadian J. Psychiatry*, 33: 645 - 649, 1988.
- (38) Toews J, el-Guebaly N. A Call for Primary Prevention: Reality or Utopia. *Canadian J. Psychiatry*, 34: 928-933, 1989.
- (39) el-Guebaly N, Walker JR, Ross C., Currie RF. Adult Children of Problem Drinkers in an Urban Community. *Brit J Psychiatry*, 156: 249-255, 1990. Abstracted by *Intern Medical News*.
- (40) el-Guebaly N. Substance Abuse and Mental Disorders: The Dual Diagnoses Concept. *Canadian J. Psychiatry*, 35: 261-267, 1990.

- (41) Staley D, el-Guebaly N. Psychometric Properties of the Drug Abuse Screening Test in a Psychiatric Patient Population. *Addictive Behaviors*, 15: 257-264, 1990.
- (42) el-Guebaly N, Staley D, Rockman G, Leckie A, Barkman K, O'Riordan J, Koensgen S. The Adult Children of Alcoholics in a Psychiatric Population. *Am J Drug and Alcohol Abuse*, 17: 215-226, 1991.
- (43) el-Guebaly N, Beausejour P, Woodside B, Smith D, Kapkin I. The Optimal Psychiatrist to Population Ratio: A Canadian Perspective. *Canadian J. Psychiatry*, 36: 9-15, 1991. Abstracted by Current Opinion in Psychiatry.
- (44) Staley D, el-Guebaly N. Psychometric Evaluation of the Children of Alcoholics Screening Test (CAST) in a Psychiatric Sample. *Int J Addictions*, 26: 657-668, 1991.
- (45) Hodgins D, el-Guebaly N. More Data on the Addiction Severity Index. Reliability and Validity with the Mentally Ill Substance Abuser. *J Nervous Mental Disease*, 180: 197-201, 1992.
- (46) Walker JR, el-Guebaly N, Ross CA, Currie RF. Where do you turn for help? A community survey of the use of professionals, reading materials and group programs for three problems in living. *J Community Psychology*, 20:84-89, 1992.
- (47) el-Guebaly N, Hodgins DC, Dudar C. Personal Variables and the Attitudes of Medical Students Towards Substance Abuse. *Am J Addictions*, 1:61-66, 1992.
- (48) el-Guebaly N, Staley D, Leckie A, Koensgen S. Adult Children of Alcoholics in Anxiety Disorders and Substance Abuse Programs. *Canadian J. Psychiatry*, 37:544-548, 1992.
- (49) el-Guebaly N, Hodgins DC. Schizophrenia and Substance Abuse: Prevalence Issues. *Canadian J. Psychiatry*, 37: 704-710, 1992.
- (50) el-Guebaly N, Kingstone E, Rae-Grant Q, Fyfe I. The Geographical Distribution of Psychiatrists in Canada: Unmet Needs and Remedial Strategies. *Canadian J. Psychiatry*, 38:212-216, 1993.
- (51) Hodgins DC, Maticka-Tyndale E, el-Guebaly N, West M. The CAST-6: Development of a Short-Form of the Children of Alcoholics Screening Test. *Addictive Behaviors*, 18:337-345, 1993. *Addiction*. Abstracts, 1(1), 1994.
- (52) el-Guebaly N, West M, Maticka-Tyndale E, Pool M. Attachment Among Adult Children of Alcoholics. *Addiction*, 88:1405-1411, 1993.
- (53) Lam RW, el-Guebaly N. Research Funding of Psychiatric Disorders in Canada: A Snapshot, 1990-1991. *Canadian J. Psychiatry*, 39:141-146, 1994.
- (54) el-Guebaly N. Alcohol and Polysubstance Abuse Among Women. *Canadian J. Psychiatry*, 40:73-79, 1995.
- (55) Hodgins DC, el-Guebaly N. Prospective and Retrospective Reports of Mood States Prior to Relapse to Substance Abuse. *J. Consult Clin Psychology*, 63:400-407, 1995.
- (56) el-Guebaly N, Lockyer JM, Drought J, Parboosingh J, Juschka BB, Weston WA, Campbell W, Chang S. Determining Priorities for Family Physician Education in Substance Abuse By the Use of a Survey. *J. Addictive Diseases*, 14(2): 23-31, 1995.
- (57) Hodgins DC, Maticka-Tyndale E, el-Guebaly N, West M. Alternative Cut-Point Scores for the CAST-6. *Addictive Behaviors*, 20:267-270, 1995.
- (58) Lockyer J, el-Guebaly N, Simpson E, Gromoff B, Toews J, Yushka B. Standardized Patients as a Measure of Change in the Ability of Family Physicians to Detect and Manage Alcohol Abuse. *Academic Medicine*, 71(1): S1-S3, 1996.
- (59) el-Guebaly N, Atkinson M. The Canadian Association of Professors of Psychiatry and the Canadian Psychiatric Association Survey of Research Training and Productivity Among Faculty. *Canadian J. Psychiatry*, 41:144-149, 1996.

- (60) el-Guebaly, N, Atkinson M. Physician Resource Variables and Their Impact on the Future Pool of Research Expertise Among Psychiatrists: The Canadian Association of Professors of Psychiatry and Canadian Psychiatric Association Survey. *Canadian J. Psychiatry*, 41:150-155, 1996.
- (61) Addington J, el-Guebaly N. Intravenous Tripelethamine Abuse in Schizophrenia. Letter to the Editor, *Canadian J. Psychiatry*, 43:63, 1996.
- (62) Hodgins DC, Pennington M, el-Guebaly N, Dufour M. Correlates of Dissociative Symptoms in Substance Abusers. *J. Nervous Mental Disease*, 184: 636-639, 1996
- (63) Atkinson M, el-Guebaly N. Research Productivity Among PhD Faculty Members and Affiliates Responding to the Canadian Association of Professors of Psychiatry and Canadian Psychiatric Association Survey. *Canadian J. Psychiatry*, 41: 509-512, 1996
- (64) Addington J, el-Guebaly N, Addington D, Hodgins D. Readiness to Stop Smoking in Schizophrenia. *Canadian J. Psychiatry*, 42: 49-52, 1997
- (65) el-Guebaly N. Psychiatry 2000: Is it time for a sequel to More for the Mind. Bulletin, *Canadian Psychiatric Association*, 29: 14 - 16, 1997
- (66) el-Guebaly N. Human Resources in Psychiatry. CPA Position Paper. Bulletin, *Canadian Psychiatric Association*, 29: (2) Insert, 1997
- (67) Addington D, Williams R, Lapierre Y, el-Guebaly N. Placebos in Clinical Trials of Psychotropic Medication. CPA Position Paper. *Can J. Psychiatry*, 42 (3): Insert, 1997
- (68) Hodgins DC, el-Guebaly N, Addington J. Treatment of Substance Abusers: Single or Mixed Gender Programs. *Addiction*, 92: 805-812, 1997
- (69) Hodgins DC, Ungar J, el-Guebaly N. Getting Back on the Wagon: Reasons and Strategies for Terminating Alcoholic Relapses. *Psychology Addictive Behaviors* , 11:174-181, 1997
- (70) el-Guebaly N, Garneau Y. Curriculum Guidelines for Residency Training of Psychiatrists in Substance - Related Disorders. CPA Position Paper. Bulletin, *Canadian Psychiatric Association* 29 (5): Insert, 1997
- (71) el-Guebaly N, Hodgins D. Substance - Related Cravings and Relapses: Clinical Implications. *Can J. Psychiatry*, 43: 29-36, 1998
- (72) Ismail Z, el-Guebaly N. Nicotine and Endogenous Opioids. Towards Specific Pharmacotherapy. *Can J. Psychiatry*, 43: 37-42, 1998
- (73) Crockford DN, el-Guebaly N. Psychiatric Comorbidity in Pathological Gambling: A Critical Review. *Can J. Psychiatry*, 43: 43-50, 1998
- (74) Crockford DN, el-Guebaly N. Naltrexone in the Treatment of Pathological Gambling and Alcohol Dependence. *Can J. Psychiatry*, 43: 86, 1998
- (75) el-Guebaly N, Armstrong SJ, Hodgins DC. Substance Abuse and the Emergency Room: Programmatic Implications. *Journal Addictive Diseases*, 17:21-40, 1998
- (76) Addington J, el-Guebaly N, Campbell W, Hodgins DC, Addington D. Smoking Cessation Treatment for Patients with Schizophrenia. *Am J. Psychiatry*, 155: 974-976, 1998.
- (77) Poulin C, Fralick P, Whynot EM, el-Guebaly N. et al. The Epidemiology of Cocaine and Opioid Use in Urban Canada. *Can J. Public Health*, 89:234-238, 1998.
- (78) Addington J, el-Guebaly N. Group Treatment for Substance Abuse in Schizophrenia. *Can J. Psychiatry*, 43:843-845, 1998.

- (79) Addington J, el-Guebaly N, Duchak V, Hodgins D. Using Measures of Readiness to Change in Individuals with Schizophrenia. *Am J. Drug and Alcohol Abuse*. 25(1):151-161, 1999.
- (80) el-Guebaly N, Hodgins DC, Armstrong S, Addington J. Methodological and Clinical Challenges in Substance Related Disorders and Comorbidity Outcome. *Can J. Psychiatry*, 44:33-39, 1999.
- (81) Hodgins DC, el-Guebaly N, Armstrong S, Dufour M. Implications of Depression on Outcome from Alcohol Dependence: A Three-year Prospective Follow-up. *Alcoholism: Clinical and Experimental Research*, 23(1):151-157, 1999.
- (82) Swinson RP, Kennedy SH, Kusumaker V, Atkinson M, el-Guebaly N [Chair]. The Canadian Psychiatric Association's Practice Research Network: Findings from the First Project 1998 – Part I. Bulletin, *Canadian Psychiatric Association* 31(2):49-52, 1999.
- (83) Links P, Langley J, Teehan M, Toews J, Atkinson M, el-Guebaly N. The Canadian Psychiatric Association's Practice Research Network: Findings from the First Project 1998 – Part II. Bulletin, *Canadian Psychiatric Association* 31(2):52-55, 1999.
- (84) el-Guebaly N, Toews J, Lockyer J, Armstrong S, Hodgins D. Medical Education in Substance-Related Disorders: Components and Outcome. *Addiction* 95(6):949-957, 2000.
- (85) Hodgins D, el-Guebaly N. Natural and treatment-associated recovery from Gambling Problems: A comparison of resolved and active gamblers. *Addiction* 95: 777-789, 2000.
- (86) el-Guebaly N. The Contribution of Psychosocial Therapies in the Management of Opiate Addiction. E-publication: *International Addiction*, 2000.
- (87) el-Guebaly N, Atkinson M. The Canadian Psychiatric Association Research Network Findings from the Second Project, 1999. Part I: The Practitioner's Profile. Bulletin, *Canadian Psychiatric Association* 32:162-163 2000.
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- (867) "Treatment Options in Addiction. Medical Management of Alcohol and Opiate Abuse". C Brewer (ed.), Canadian Journal of Psychiatry 39: 411, 1994.
- (868) "Alcoholism. The Facts"- DW Goodwin. Canadian Journal of Psychiatry, 41: 478, 1996.
- (869) "Heroin Addiction and Drug Policy. The British System" - J Strang, M Gossop (eds). Canadian Journal of Psychiatry, 41: 478-479, 1996.
- (870) "Clinical Guide to Alcohol Treatment: The Community Reinforcement Approach" - RJ Meyers and JE Smith. Journal of Psychiatry and Neuroscience, 22: 67, 1997.
- (871) "Biological Aspects of Alcoholism: Implications for Prevention, Treatment and Policy". B Tabakoff and P Hoffman (eds). Canadian Journal of Psychiatry, 42: 521-522, 1997
- (872) "Group Psychotherapy with Addicted Populations: An Integration of Twelve Steps and Psychodynamic Theory". PJ Flores, Second Edition. Canadian Journal of Psychiatry, 43:192, 1998
- (873) "Problem Drinking. Third Edition". N Heather and I Robertson (eds.). J Psychiatry and Neuroscience, 24(1): 57-58, 1999.

- (874) "The Treatment of Drinking Problems. A Guide for the Helping Professions." G Edwards, EJ Marshall, CH Cook [eds.]. Canadian Journal of Psychiatry, 44(1):88-89, 1999.
- (875) "Dual Disorders. Essentials for Assessment and Treatment". DF O'Connell [ed.] Canadian Journal of Psychiatry, 44(1): 89-90, 1999.
- (876) "Addiction Treatment: Avoiding Pitfalls – A Case Approach". Committee on Alcoholism and Addictions, Group for the Advancement of Psychiatry. Report No. 142. Canadian Journal of Psychiatry 44(5): 500, 1999.
- (877) "Personality and Psychopathology". R Cloninger (ed.) Canadian Journal of Psychiatry 45(4): 389-390, 2000.
- (878) "Primer for Teaching Substance Abusers". JD Levin. Canadian Journal of Psychiatry 46(5): 446-447, 2001.
- (879) "Drug Addiction and Drug Policy: The Struggle to Control Dependence". Philip B Heymann, William N Brownsberger [eds.] Canadian Journal of Psychiatry. 47(5): 478-479, 2002.
- (880) "Drugs and Addictive Behavior: A guide to treatment". Hamid Ghodse. Canadian Journal of Psychiatry, 48 (11): 766-767, 2003.
- (881) "The Tobacco Dependence Treatment Handbook: A Guide to Best Practices", Abrams D, Niaura R, Brown R, Emmons K, Goldstein M, Monti P. Community Mental Health Journal. 92-93, 2004.
- (882) "Integrated Treatment for Mood and Substance Use Disorders". Westermeyer JJ, Weiss, RD, Ziedonis DW. Canadian Journal of Psychiatry 49(8):571, 2004.
- (883) "The Treatment of Drinking Problems: A Guide for the Helping Professions". Fourth Edition. Edwards G, Marshall EJ, Cook CCH. Canadian Journal of Psychiatry 50(3): 179, 2005.
- (884) "Psychosocial Treatments: Key readings in Addiction Psychiatry". McCance-Katz E, Clark W. Canadian Journal of Psychiatry 50(11):735-736, 2005.
- (885) "Marihuana and Madness". Castle D, Murray R. Canadian Journal of Psychiatry 51(1): 56, 2006.
- (886) "In the Realm of Hungry Ghosts: Close Encounters with Addictions". Mate G. Canadian Journal of Psychiatry. 54(4):280, 2009.
- (887) "Drug Abuse: Concepts, Prevention, and Cessation." Sussman S, Ames SL. Canadian Journal of Psychiatry 54(9): 33-34, 2009.
- (888) "Handbook of Motivation and Change: A Practical Guide for Clinicians" Levounis P, Arnaout B. American Psychiatric Publishing Inc, Washington DC, 2010.
- (889) "Addiction Neuroethics: The promise and perils of neuroscience research on addiction." Carter A, Hall W. Canadian Journal of Psychiatry 57(9):580-581, 2012.

POSITION PAPER DEVELOPED AS CHAIRMAN OF C.P.A.'S PROFESSIONAL STANDARDS AND PRACTICE COUNCIL

- (890) Consent in Psychiatry. Canadian Journal of Psychiatry, 25:78-85, 1980.
- (891) Confidentiality and Automated Health Data Systems. Canadian Journal of Psychiatry, 25:595-597, 1980.
- (892) The Ethics of Involuntary Treatment. Canadian Journal of Psychiatry, 27:67-76, 1981.
- (893) Limitation of Freedom of Movement in Adult Psychiatric Units. Canadian Journal of Psychiatry, 28:64-67, 1983.
- (894) The Mentally Ill Physician. Canadian Journal of Psychiatry, 29:55-59, 1984.

- (895) Quality Assurance in Psychiatry. Canadian Journal of Psychiatry, 30:148-152, 1985.
- (896) Confidentiality and Dangerousness in the Doctor-Patient Relationship. Canadian Journal of Psychiatry, 30:293-296, 1985.
- (897) Guidelines in Relating to the Pharmaceutical Industry. Canadian Journal of Psychiatry, 32:476 - 480, 1987.

POSITION PAPERS DEVELOPED AS CHAIRMAN OF C.P.A.'S SCIENTIFIC AND RESEARCH COUNCIL

- (898) Promoting Research in Mental Illness. Canadian Psychiatric Association Bulletin 26:21-25, 1994.
- (899) Research Development: Serendipity or Strategy? Guest Editorial, Canadian Psychiatric Association Bulletin 28: 2, 3, 5, 1996.

POSITION PAPERS OF THE INTERNATIONAL SOCIETY OF ADDICTION MEDICINE

- (900) ISAM Policy on Pathological Gambling. Prepared by Gleser J, Gigena D, Sanchez-Bello C, el-Guebaly N

POSITION PAPERS OF THE CANADIAN SOCIETY OF ADDICTION MEDICINE

- (901) CSAM Policy on Opioid Prescribing for Chronic Non-Cancer Pain. Prepared by Kahan M, Lim R, el-Guebaly N.
http://www.csam.org/non_member/policy/UseOfOpioids.aspx
- (902) Harm Reduction: Perspectives and Policy Statement, http://www.csam.org/non_member/policy/HarmReduction.aspx
- (903) Medicinal Use of Cannabis: Perspectives and Policy Statement,
http://www.csam.org/non_member/policy/MedicinalUseOfCannabis.aspx
- (904) National Drug Policy Statement, http://www.csam.org/non_member/policy/NationalDrugPolicyStatement.aspx

EDITORIALS: CANADIAN JOURNAL OF ADDICTION

- (905) A National Voice for the Field. Canadian Journal of Addiction, 4(3):3, 2013.
- (906) Le Journal Canadien d'Addiction (JCA). Canadian Journal of Addiction, 5(1):3, 2014.
- (907) Fine-Tuning our Clinical Guidelines. Canadian Journal of Addiction, 5(2):3, 2014.
- (908) Educational Opportunities and a Call for Synergy. Canadian Journal of Addiction, 5(3):3, 2014.
- (909) Clinical Practice and our Historical Legacies. Canadian Journal of Addiction, 5(4):3, 2014.
- (910) Synergy between Canadian Practice and the World. Canadian Journal of Addiction 6(1):3, 2015.
- (911) Investigating Gambling Behaviors: Canadian Contributions. Canadian Journal of Addiction, 6(2):3-4, 2015.
- (912) Corrections in Canada and "Sunny Days". Canadian Journal of Addiction, 6(3):3, 2015.
- (913) Ingredients of Prescription Misuse and Factors of Opioid Management, Canadian Journal of Addiction, 7(1):4, 2016.
- (914) Facets of Substance Misuse in our Communities, our Hospitals and Fort Mac, Canadian Journal of Addiction, 7(2):4, 2016.
- (915) Prototypes of Outcome Research in Canadian Programs, Canadian Journal of Addiction, 7(3):4, 2016.
- (916) ...And What a Year it Was, Canadian Journal of Addiction, 7(4):4, 2016.

CV: EL-GUEBALY

(917) Our Journal and a Time for Transition, Canadian Journal of Addiction, 8(1):4-5, 2017.

(918) Orientation to Wolters Kluwer One Step at a Time, Canadian Journal of Addiction, 8(2):4-5, 2017.

VIDEOS AND TAPES:

Griffin W, el-Guebaly N, Davidson W. Rating Scale for Extra-pyramidal Side Effects of Depot Neuroleptics. 12 min. Abstract, Canadian Psychiatric Association, Annual Meeting, 1980.

el-Guebaly N. Addictive, Compulsive or Impulsive Disorders. Medifacts, 20 min, Dec. 1993.

el-Guebaly N. Update on Substance Abuse: Role of the Psychiatrist. Telemedicine Canada, Faculty of Medicine, University of Toronto, June 1996.

RESEARCH IN PROGRESS:

- el-Guebaly N. Substance Abuse and Mental Illness.
- el-Guebaly N. Evaluation of Medical Education in Addictions.
- el-Guebaly N. Treatment Outcome Research and Practice Research Network.
- el-Guebaly N. Pathological Gambling

JOURNAL EDITORIAL BOARDS & REVIEWS:

- 1979 - 1986 - Reviewer, American Journal of Psychiatry
- 1982 - - Reviewer, Hospital and Community Psychiatry Journal now Psychiatric Services
- 1984 - 2004 - Reviewer, Canadian Medical Association Journal
- Reviewer, Canadian Journal of Psychiatry
- 1987 - 2000 - Reviewer, Journal of Studies on Alcohol
- 1991 - - Editorial Board, American Journal of Drug and Alcohol Abuse
- Reviewer, American Journal on Addictions
- 1992 - - Editorial Board, American Journal of Addiction Medicine
- 1993 - - Reviewer, Advances in Alcohol and Substance Abuse
1993 - 1995 - Reviewer, Medical Journal of Sport Medicine
- 1995 - 1997 - Reviewer, Psychological Bulletin
- 1996 - 1999 - Editor, Canadian Society of Addiction Medicine Bulletin
- Editor, The Evidence - L'Evidence, Canadian Psychiatric Association Research Network
- 1997 - - Reviewer, Alcohol Health & Research World, NIAAA
- 2000 - Editorial Board, The Problem Gambling Report
- Editorial Board, Alcohol MD.com
- 2000 - 2003 - Managing Editor, International Addiction [e-publication]
- 2001 - - Editorial Board, Addictive Disorders and Their Treatment

- 2002 -
 - Editorial Board, Journal of Gambling Studies
- 2003 -
 - International Advisory Board, Egyptian Journal of Psychiatry
 - Reviewer, Substance Abuse
- 2004 -
 - International Editorial Board, Substance Abuse
- 2005 - 2010
 - Reviewer, Harvard Review of Psychiatry
- 2006 - 2011
 - International Editorial Board, International Gambling Studies
- 2007 -
 - Editorial Board, Journal of Addiction Medicine
 - Editorial Scientific Committee, Dipendenze Patologiche/Addiction Disorders, Italy
 - Editorial International Scientific Committee, Revista Argentina de Psiquiatria Biologica, Argentina
- 2010
 - Editorial Board, Mind & Brain. The Journal of Psychiatry
 - Editorial Board, Canadian Journal of Addiction Medicine
- 2012
 - Editor in Chief, Canadian Journal of Addiction Medicine, now Canadian Journal of Addiction
- 2017
 - Editor in Chief, International Addiction Review

TEACHING ACTIVITIES

University of Manitoba

1. Undergraduate
 - Clinical tutor in general psychiatry, fourth year medical students.
 - Lecturer in general psychiatry, second year medical students.
 - B.Sc. project supervisor
2. Postgraduate
 - Supervisor, one senior resident in substance abuse, general psychiatry or administrative psychiatry; one junior resident, general psychiatry
 - Supervisor of resident in psychotherapy
 - Lecturer to psychiatric residents on substance abuse and psychiatric administration
 - Coordinator, Seminar Research and the Practice of Psychiatry

University of Calgary

1. Undergraduate
 - Past Lecturer, substance abuse, second year medical students
 - Past Lecturer, substance abuse and mental illness, third year medical students
 - Supervisor, Research elective
 - Supervisor, History of Medicine elective
2. Postgraduate
 - Past Supervisor, junior residents, outpatient psychiatry
 - Past Supervisor, residents in psychotherapy
 - Lecturer to psychiatric residents on substance abuse and research
 - Supervisor, residents and fellowship electives in substance abuse and administrative psychiatry

University of Alberta

1. Postgraduate
 - Lecturer to psychiatric residents on substance abuse
 - Supervisor, fellowship elective in substance abuse

ASSOCIATIONS - CURRENT MEMBERSHIPS

1. Emeritus Member, Alberta Medical Association & Executive, Section of Addiction Medicine
2. Honorary Member & Past Member, Board of Directors, Canadian Medical Association
3. Life Member & Past Executive, Alberta Psychiatric Association, 2 terms
4. Past President, and Distinguished Fellow, Canadian Psychiatric Association
5. Distinguished Life Fellow, American Psychiatric Association
6. Emeritus Fellow, American College of Psychiatrists
7. Chair, Section of Addiction Psychiatry, World Psychiatric Association, 3 terms
8. Past Member, American Association of Chairmen of Departments of Psychiatry
9. Past Chair, Canadian Association of Chairmen of Psychiatry
10. Founding Member and Distinguished Fellow, American Academy of Addiction Psychiatry
11. Fellow, American Society of Addiction Medicine
12. Member, Research Society on Alcoholism and International Societies for Biomedical Research on Alcoholism
13. Honorary Member & Past President; Member at Large, Board, Canadian Society of Addiction Medicine
14. Past Founding President (2 terms), and Executive Medical Director and Chief Medical Examiner, International Society of Addiction Medicine
15. Member, College on Problems of Drug Dependence
16. Board Member, International Society of Addiction Journals Editors
17. Overseas Fellow, Royal Society of Medicine
18. Board Member, World Association on Dual Disorders

ARBITRATION AND COURT EXPERTISE

Expert Witness since 1996 in addiction and psychiatry in select cases including:

- Court proceedings – Alberta Court of Queen’s Bench & Provincial Court including Traffic Division
- Justice Canada and Alberta Justice
- Provincial First Nation Investigative Commission
- Arbitration expertise on behalf of:
 - employers (including Air Canada, Syncrude, TELUS) vs employees
 - employees (i.e., Individuals, Unions) vs employers including Tribal Administration
- Canadian Medical Protective Association – legal proceedings against physicians
- Insurance Industry - Chair, Canadian Psychiatric Association Task Force on Disability 1999
 - Independent Medical Examinations for Compremed, LifeMark, Medysis, Viewpoint, Canada Life
- Workers’ Compensation Board – review panel
- Mental Health Boards
- Consultant to Legal Firms

Daniel Stephen McGrath

CONTACT INFORMATION

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Department of Psychology
University of Calgary
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dmcgrathphd@gmail.com

PHONE: 403-220-7268

ACADEMIC POSITIONS

- 2014-Present **Assistant Professor (tenure track)**, Department of Psychology, University of Calgary, Calgary, Alberta
- 2014-2019 **Alberta Gambling Research Institute (AGRI) Research Chair**, Department of Psychology, University of Calgary, Calgary, Alberta
- 2012-2014 **Assistant Professor (term appointment)**, Department of Psychology, Mount Allison University, Sackville, New Brunswick
- 2011-2012 **Lecturer (term appointment)**, Department of Psychology, Mount Allison University, Sackville, New Brunswick

RESEARCH POSITIONS

- 2013-2018 **Research Associate**, Department of Psychology, Dalhousie University, Halifax, Nova Scotia
- 2009-2010 **Research Analyst**, Maritime Data Centre for Aging Research & Policy Analysis, Mount Saint Vincent University, Halifax, Nova Scotia
- 2005-2007 **Research Analyst**, Canadian Federation of Independent Business, Toronto Ontario and Halifax, Nova Scotia
- 2004-2005 **Research Assistant**, Department of Marketing and Consumer Studies, University of Guelph, Guelph, Ontario
- 2002-2003 **Research Assistant and Project Coordinator**, Adult Development and Aging Research Programme Mount Allison University, Sackville, New Brunswick

PROFESSIONAL AFFILIATIONS

- 2017-Present **Member**, Hotchkiss Brain Institute, NeuroTeam, Calgary, Alberta
- 2017-Present **Founding Member**, International Behavioral Addictions and Impulse Control Disorders Network, Calgary, Alberta & Sao Paulo, Brazil
- 2016-Present **Member**, Canadian Research Initiative in Substance Misuse (CRISM), Prairie Node

2014-Present **Adjunct Scientist Expert**, Gambling Research Exchange Ontario (GREO), Guelph, Ontario

EDUCATIONAL HISTORY

2013 **Doctor of Philosophy**, Experimental Psychology
Dalhousie University, Halifax, Nova Scotia

2006 **Master of Science**, Marketing and Consumer Studies
University of Guelph, Guelph, Ontario

2003 **Bachelor of Arts (Honours)**, Major in Psychology and Minor in Commerce Mount Allison University, Sackville, New Brunswick

2001 **Bachelor of Business Administration**, Concentration in Marketing
Cape Breton University, Sydney, Nova Scotia

1999 **Diploma in Business Technology**, Marketing
New Brunswick Community College, Saint John, New Brunswick

ACADEMIC HONOURS

2014-2016 Postdoctoral Fellowship (Declined)
The Ontario Mental Health Foundation (\$35,000 per annum)

2013 Nominated for the 2014 J.E.A. Crake Teaching Award in recognition of teaching excellence within the Faculty of Science at Mount Allison University

2013 Finalist for the 2013 Dalhousie University Doctoral Dissertation Award for Best Thesis in the Natural and Medical Sciences and Engineering

2008-2011 Doctorate Fellowship
Ontario Problem Gambling Research Centre (\$20,000 per annum)

2007-2008 Doctorate Student Research Award
Nova Scotia Gaming Foundation (\$10,030)

2007-2008 Doctorate Student Research Award
Nova Scotia Health Research Foundation (\$10,030)

2007-2008 Dalhousie Graduate Scholarship
Dalhousie University (\$18,300 per annum, declined)

2005 Tibor I. Barsony Award
Responsible Gambling Council (\$1,000)

2005 Conference Grant
Ontario Problem Gambling Research Centre (\$2,000)

2004-2005 Masters Fellowship
Ontario Problem Gambling Research Centre (\$10,000)

2004-2005 Ontario Graduate Scholarship
Ministry of Training, Colleges and Universities (\$15,000)

2003 Dorothy Britton Memorial Scholarship
University of Guelph (\$3,000)

2003 Award for Academic Excellence
Canadian Psychological Association

2002 Harold Crabtree Award
Mount Allison University (\$500)

- 2001 Entrance Scholarship
Mount Allison University (\$1,000)
- 2001 Ronald J. Somers Memorial Bursary
Cape Breton University (\$1,000)
- 1999 Millennium Scholarship
Millennium Scholarship Fund, Government of Canada (\$2,500)
- 1999 T.S. Simms & Co Ltd. Bursary
New Brunswick Community College (\$500)

GRANTS

Research Grants

- Hodgins, D.C., Mutti-Packer, S., Kim, H.S., **McGrath, D.S.**, Rockloff, M.J., & Wohl, M.J. (2018-2020). *Pop-up messages for Internet gambling: An experimental study examining the efficacy of fear appeals*. Alberta Gambling Research Institute (AGRI). (\$103,333)
- Griep, Y.J. & **McGrath, D.S.** (2017-2018). *Gambling Risk-Taking Behaviour in the Aftermath of Broken Promises: The Role of Stress*. Alberta Gambling Research Institute (AGRI). (\$10,000)
- McGrath, D.S.**, Kim, H.S., Barrett, S.P., & Hodgins, D.C. (2017-2019). *The Effects of Video Lottery Terminal (VLT) Play on Alcohol Self-Administration in Gamblers who Drink*. Alberta Gambling Research Institute (AGRI). (\$132,406)
- Hodgins, D.C., Kim, H.S., Rockloff, M.J., Wohl, M.J., & **McGrath, D.S.** (2017-2019). *Do Social Casino Games Encourage Gambling? An Examination Approach*. Alberta Gambling Research Institute (AGRI). (\$141,490)
- McGrath, D.S.**, Hodgins, D.C., Kim, H.S., von Ranson, K., & Tavares, H. (2017-2018). *Development of an International Behavioural Addictions Research Network*. Eyes High International Collaborative Grant for New Researchers. University of Calgary. (\$12,310)
- McGrath, D.S.** & Stewart, S.H. (2017-2018). *Sex Differences in Cross-Priming for Gambling among Stimulant Users*. Alberta Gambling Research Institute (AGRI). (\$10,000)
- McGrath, D.S.** (2016-2017). *A Comparison of Attentional Biases by Preferred Gambling Activity: An Eye-tracking Study*. Alberta Gambling Research Institute (AGRI). (\$9,000)
- McGrath, D.S.**, Kowatch, K., Kim, H.S., Hodgins, D.C., & Sears, C.R. (2016-2018). *Identifying Psychological Factors that are Predictive of Attentional Bias in Gamblers: An Eye-tracking Study*. Alberta Gambling Research Institute (AGRI). (\$88,500)
- Hodgins, D.C., Kim, H.S., & **McGrath, D.S.** (2016-2018). *Towards Understanding Addiction Substitution: An Examination of Substituted vs. Recovered Gamblers*. Alberta Gambling Research Institute (AGRI). (\$110,000)

McGrath, D.S. & Konkoly Thege, B. (2015). *The Categorical Stability of Gambling Motives among Community-recruited Gamblers*. The Ontario Problem Gambling Research Centre (OPGRC), Secondary Analysis of Knowledge Repository Datasets Grant. (\$20,000)

McGrath, D.S. (2014-2015). *The Influence of Tobacco Abstinence on Gambling Cravings and Behaviours in Gamblers who Smoke*. The University Research Grants Committee (URGC) Seed Grant. University of Calgary. (\$12,000)

Barrett, S.P. & **McGrath, D.S.** (2013-2014). *Cue Induced Craving for Alcohol in Daily and Non-Daily Smokers*. Dalhousie University, Department of Psychiatry Research Fund. (\$10,000)

Stewart, S.H., Zack, M., **McGrath, D.**, Peloquin, M., & Wan, J. (2012-2013). *A Pilot Study of Sex Differences in Stimulant and Opiate Drug Effects on Gambling Motivation in Pathological Gamblers and Controls*. Nova Scotia Health Research Foundation (NSHRF), Development/Innovative Grant. (\$15,000)

McGrath, D.S., Barrett, S.P., & Stewart, S.H. (2010-2011). *Cross-domain Cue Reactivity among Regular VLT Players who Smoke*. Dalhousie University, Department of Psychiatry Research Fund. (\$10,000)

McGrath, D.S. (2009-2010). *Personality Characteristics, Motivations for Gambling, and Substance Use Risk among Young Internet Gamblers in Nova Scotia*. Nova Scotia Gaming Foundation (NSFG) Research Studentship. (\$5,000)

McGrath, D.S. & Barrett, S.P. (2008-2009). *The Effects of Nicotine and Tobacco Smoke on VLT Gambling Behaviour*. Nova Scotia Gaming Foundation (NSFG). (\$10,015)

McGrath, D.S. (2007-2008). *The Effects of Nicotine and Tobacco Smoke on VLT Gambling Behaviour*. Canadian Tobacco Control Research Initiative (CTCRI) Student Grant. (\$7,400)

Research Grants (Under Review)

McGrath, D.S. & Campbell, T. (2019-2021). *Patterns and predictors of electronic cigarette use in young adults*. CIHR Project Grant (\$300,000)

Hodgins, D.C., Kim, H.S., Tavares, H., Malbergier, A., **McGrath, D.S.**, & von Ranson, K. (2018-2019). *Towards a transdiagnostic etiological and treatment model of gambling disorder and addiction: An International multi-disciplinary collaboration*. Alberta Gambling Research Institute (AGRI) Team Development Grant. (\$9,900)

Travel Grants

McGrath, D.S. (2016). *The Categorical Stability of Gambling Motives among Community-recruited Gamblers over 5 Years*. University of Calgary, Office of the Vice-President Research, Conference Travel Grant. (\$750)

McGrath, D.S. (2016). *The Categorical Stability of Gambling Motives among Community-recruited Gamblers over 5 Years*. University of Calgary, Faculty of Arts, Conference Travel Grant. (\$1,500)

PUBLICATIONS

Peer-Reviewed Journal Articles

1. **McGrath, D.S.**, Meitner, A., & Sears, C.R. (in press). The specificity of attentional biases by type of gambling: An eye-tracking study. *PlosOne*. doi:10.1371/journal.pone.0190614
2. Kim, H.S., Cassetta, B.D., Hodgins, D.C., **McGrath, D.S.**, Tomfohr-Madsen, L., & Tavares, H. (in press). Co-morbid addictive behaviors in disordered gamblers with psychosis. *Revista Brasileira de Psiquiatria*.
3. Cassetta, B.D., Kim, H.S., Hodgins, D.C., **McGrath, D.S.**, Tomfohr-Madsen, L., & Tavares, H. (in press). Disordered gambling and psychosis: Prevalence and clinical correlates. *Schizophrenia Research*. doi:10.1016/j.schres.2017.04.006
4. Rash, C.L., Kim, H.S., Hodgins, D.C., & **McGrath, D.S.** (2018). Comparing undergraduate and community-recruited adult non-gamblers' motives for not gambling: Do they differ? *Addictive Behaviors*, 74, 41-44. doi: 10.1016/j.addbeh.2017.07.026.
5. **McGrath, D.S.**, & Konkoly Thege (2017). The categorical stability of gambling motives among community-recruited gamblers: A longitudinal assessment. *Journal of Gambling Studies*. doi: 10.1007/s10899-017-9687-1
6. Kim, H.S., Cassetta, B.D., Hodgins, D.C., Tomfohr-Madsen, L., **McGrath, D.S.**, & Tavares, H. (2017). Assessing the relationship between disordered gamblers with psychosis and increased gambling severity: The mediating role of impulsivity. *Canadian Journal of Psychiatry*. doi:10.1177/0706743717730825
7. Boothby, C.A., Kim, H.S., Romanow, N.K., Hodgins, D.C., & **McGrath, D.S.** (2017). Assessing the role of impulsivity in smoking and non-smoking disordered gamblers. *Addictive Behaviors*, 70, 35-41, doi:10.1016/j.addbeh.2017.02.002
8. Rash, C.L., & **McGrath, D.S.** (2017). Self-generated motives for not gambling among young adult non-gamblers. *Journal of Gambling Studies*, 33, 825-839. doi: 10.1007/s10899-016-9656-0. This publication won the 2017 Durand Jacobs Award for best graduate student paper related to the psychology of addictive behaviors
9. **McGrath, D.S.**, Kim, H.S., Boothby, C.A., Romanow, N.K., & Hodgins, D.C.(2016). Patterns and motives for electronic cigarette use in a sample of community-recruited gamblers. *International Journal of Mental Health and Addiction*. doi: 10.1007/s11469-016-9722-y
10. Schellenberg, B.J.I., **McGrath, D.S.**, & Dechant, K. (2016). The Gambling Motives Questionnaire Financial: Factor structure, measurement invariance, and relationships with gambling behaviour. *International Gambling Studies*, 16, 1-16, doi:10.1080/14459795.2015.1088559
11. **McGrath, D. S.** (2015). The influence of smoke-free policies on gambling revenues and intentions to gamble: A review of the literature. *Canadian Journal of Addiction*, 6(2), 78-86.
12. **McGrath, D. S.**, Peloquin, M.P., Ferdinand, J.C., & Barrett, S.P. (2015). Acute effects of nicotine on alcohol cue-reactivity in nondependent and dependent smokers. *Experimental and Clinical Psychopharmacology*, 23(1), 29-36.
13. Peloquin, M.P., **McGrath, D. S.**, Telbis, D., & Barrett, S.P. (2014). Alcohol and tobacco cue effects on craving in non-daily smokers. *Experimental and Clinical Psychopharmacology*, 22(6), 502-510.
14. **McGrath, D. S.**, Dorbeck, A., & Barrett, S.P. (2013). The influence of acutely administered

- nicotine on cue-induced craving for gambling in at-risk video lottery terminal (VLT) gamblers who smoke. *Behavioural Pharmacology*, 24(2), 124-132.
15. **McGrath, D. S.**, Barrett, S.P., Stewart, S.H., & Schmid, E.A. (2012). The effects of acute doses of nicotine on Video Lottery Terminal gambling in smokers. *Psychopharmacology*, 220, 155-161.74
 16. **McGrath, D. S.**, Sherry, S.B., Stewart, S. H., Mushquash, A. R., Allen, S. L., Nealis, L. J., & Sherry, D. L. (2012). Reciprocal relations between self-critical perfectionism and depressive symptoms: Evidence from a short-term, four-wave longitudinal study. *Canadian Journal of Behavioural Science*, 44(3), 169-181.
 17. **McGrath, D. S.**, Barrett, S.P., Stewart, S. H. & McGrath, P.R. (2012). A comparison of gambling behaviour, problem gambling indices, and reasons for gambling among smokers and non-smokers who gamble: Evidence from a provincial gambling prevalence study. *Nicotine and Tobacco Research*, 14(7), 833-839.
 18. Campbell, M., Bozec, L.J., **McGrath, D.**, & Barrett, S.P. (2012). Alcohol and tobacco co-use in non-daily smokers: An inevitable phenomenon? *Drug and Alcohol Review*, 31, 447-450.
 19. Dill, D.M., Keefe, J.M., & **McGrath, D.S.** (2012). The influence of intrinsic and extrinsic job values on turnover intention among continuing care assistants in Nova Scotia. *Home Health Care Services Quarterly*, 31, 111-129.
 20. **McGrath, D. S.**, Temporale, K.L., Bozec, L.J., & Barrett, S.P. (2011). Polytobacco use in non-daily smokers: An issue requiring greater attention. *Preventive Medicine*, 53, 353-354.
 21. Mackinnon, S.P., Sherry, S.B., Graham, A.R., Stewart, S.H., Sherry, D.L., Allen, S.L., Fitzpatrick, S., & **McGrath, D.S.** (2011). Reformulating and testing the perfectionism model of binge eating: A short-term, four-wave longitudinal study. *Journal of Counseling Psychology*, 58, 630-646.
 22. Graham, A. R., Sherry, S. B., Stewart, S. H., Sherry, D. L., **McGrath, D. S.**, Fossum, K. M., & Allen, S. L. (2010). The existential model of perfectionism and depressive symptoms: A short-term, four-wave longitudinal study. *Journal of Counseling Psychology*, 57, 423-438.
 23. **McGrath, D. S.**, Stewart, S. H., Klein, R.M., & Barrett, S.P. (2010). Self-generated motives for gambling in two population-based samples of gamblers. *International Gambling Studies*, 10, 117-138.
 24. **McGrath, D. S.** & Barrett, S.P. (2009). The co-morbidity of tobacco smoking and gambling: A review of the literature. *Drug and Alcohol Review*, 28, 676–681.

Manuscripts under Review

1. **McGrath, D.S.**, Neilson, T., Lee, K., Rash, C.L., & Rad, M. (revise & resubmit). Associations between the HEXACO model of personality and gambling involvement, motivations to gamble, and gambling severity in young adult gamblers. *Journal of Behavioral Addictions*.
2. Kim, H.S., Hodgins, D.C., von Ranson, K., **McGrath, D.S.**, & Tavares, H. (revise & resubmit). Comorbid Eating and gambling disorder: Demographic, psychiatric and personality correlates. *European Eating Disorders Review*.
3. **McGrath, D.S.**, Kim, H.S., Novitsky, C., Hodgins, D.C., & Tavares, H.

(submitted). Who are the anonymous? Motivations, involvement and predictors of gamblers anonymous attendance among disordered gamblers presenting for treatment. *Journal of Gambling Studies*.

4. Kim, H.S., Poole, J.C., Hodgins, D.C., **McGrath, D.S.**, & Dobson, K.S. (revise & resubmit). Betting to deal: Motives mediate the relationship between urgency and problem gambling. *Addiction Research & Theory*.

Manuscripts in Preparation

1. **McGrath, D.S.**, Fernandez, A., Sears, C.R., & Dobson, K.S. (in prep). The role of daily stress on attentional bias toward to gambling-related images. *Journal of Gambling Studies*.
2. Thomas, J, **McGrath, D.S.**, & Dechant, K. (in prep). Similar motives? Conforming the unique motives for drinking and gambling behaviours. *Addictive Behaviors*.
3. **McGrath, D.S.**, Garlicka, S., & Sears, C.R. (in prep). The influence of image content and colour on attentional bias toward gambling stimuli. *International Journal of Mental Health and Addiction*.
4. **McGrath, D.S.**, Griep, Y., Mushquash, A. R., & Mushquash, C. (in prep). Reciprocal relations between trait materialism and depressive symptoms. *Personality and Individual Differences*.
5. Kim, H.S., Lee, K., Rash, C.L, & **McGrath, D.S.**, (in prep). A comparison of HEXACO dimensions between community-recruited non-gamblers, regular gamblers, and disordered gamblers. *Journal of Gambling Studies*.
6. Rash, C., Ritchie, E., Kim, H. S., **McGrath, D.S.**, Hodgins, D. C., & Tavares, H. (in prep). Who steals to gamble? Assessing demographic and psychological characteristics of gamblers who commit illegal acts in Brazil. *Journal of Gambling Studies*.
7. Kim, H.S., Hodgins, D.C., von Ranson, K., **McGrath, D.S.**, & Tavares, H. (in prep). Comorbidity of disordered gambling and bulimia nervosa: Assessment of psychiatric and demographic correlates. *European Eating Disorders Review*.
8. Kim, H. S., Tejpar, S., **McGrath, D.S.**, von Ranson, K., Stevens, R., & Hodgins D. C. (in prep). Systematic review of addiction substitution: Clinical myth or empirical basis? *Clinical Psychology Review*.
9. Sharif-Razi, M., Kim, H. S., von Ranson, K., Hodgins, D.C., **McGrath, D.S.**, & Tavares, H. (in prep). Gender differences in co-morbid disordered gambling and eating disorders. *Journal of Behavioral Addictions*.
10. Kim, H. S., Sharif-Razi, M., von Ranson, K., Hodgins, D.C., **McGrath, D.S.**, & Tavares, H. (in prep). Impulsivity mediates the relationship between gambling and binge eating. *Comprehensive Psychiatry*.
11. Joyce, K. M., Hudson, A., O'Connor, R., Goldstein, A., Ellery, M., **McGrath, D.S.**, Perrot, T., & Stewart, S. H. (in prep). Retrospective and prospective assessments of gambling-related behaviours across women's menstrual cycle. *Journal of Gambling Studies*.
12. Soltani, S., Griep, Y., **McGrath, D.S.**, & Noel, M. (in prep). Associations between self-reported chronic pain, substance use, and workplace safety among Canadian oil and gas employees. *Canadian Medical Association Journal*.

Published Book Chapters

1. Ritchie, E.V., Hodgins, D.C., & **McGrath, D. S.** (2018). Co-morbid smoking and gambling disorder: Potential underlying mechanisms and future explorations. In V. R. Preedy (Ed.), *Neuroscience of nicotine: Mechanisms and treatments*. Elsevier.
2. **McGrath, D. S.**, & Stewart, S. H. (2014). Tobacco dependence. In S. G. Hofmann, D. A. Dozois, W. Rief, J. J. Smits (Eds.), *The Wiley handbook of cognitive behavioral therapy (Vols. 1-3)* (pp. 1299-1314). Wiley-Blackwell.

PRESENTATIONS

Conference Presentations & Posters

1. Fitzpatrick, C.L., **McGrath, D.S.**, Kim, H.S., Hodgins, D.C. & Tavares, H. (2018, April). *Mental health of disordered gamblers with and without co-morbid substance abuse disorders*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 17th Annual Conference, Banff, Alberta, Canada.
2. Sharif-Razi, M., Kim, H.S., **McGrath, D.S.**, & Hodgins, D.C. (2018, April). *Impulsivity, mental health, and problem gambling severity in cannabis-using gamblers*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 17th Annual Conference, Banff, Alberta, Canada.
3. Kim, H.S., Poole, J.C., Hodgins, D.C., **McGrath, D.S.**, & Dobson, K.S. (2018, April). *Coping motives mediate the relationship between positive and negative urgency and problem gambling severity*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 17th Annual Conference, Banff, Alberta, Canada.
4. Novitsky, C., **McGrath, D.S.**, Kim, H.S., Hodgins, D.C., & Tavares, H. (2018, April). *Involvement and predictors of Gamblers Anonymous attendance among disordered gamblers in treatment*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 17th Annual Conference, Banff, Alberta, Canada.
5. Ritchie, E.V., Romanow, N.K., & **McGrath, D.S.** (2018, April). *Effects of acute tobacco abstinence on gambling craving and behavior in electronic gaming machine gamblers who smoke*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 17th Annual Conference, Banff, Alberta, Canada.
6. Rash, C.L., & **McGrath, D.S.** (2018, April). *An examination of HEXACO personality dimensions and gambling disorder, alcohol use disorder, and cannabis use disorder*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 17th Annual Conference, Banff, Alberta, Canada.
7. Rash, C.L., & **McGrath, D.S.** (2018, April). *Motivations for not gambling among abstinent former disordered gamblers*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 17th Annual Conference, Banff, Alberta, Canada.
8. **McGrath, D.S.** (2018, April). *Psychological factors associated with gambling attentional biases in electronic gambling machine players*. Presentation at the Alberta Gambling Research Institute's (AGRI) 17th Annual Conference, Banff, Alberta, Canada.
9. Soltani, S., Griep, Y., **McGrath, D.S.**, & Noel, M. (2018, May). *Associations between self-reported chronic pain, substance use, and workplace safety among Canadian oil and gas employees*. Poster presented at the 39th Annual Scientific Meeting of the Canadian Pain Society. Montreal, Quebec, Canada.

10. Cassetta, B.D., Kim, H.S., Hodgins, D.C., **McGrath, D.S.**, Tomfohr-Madsen, L.M., & Tavares, H. (2018, February). *Co-morbid disordered gambling and psychosis: Prevalence rates, clinical features, and cognitive mechanisms*. Poster presented at the 2018 New Horizon's in Responsible Gambling Conference, Vancouver, British Columbia.
11. Cowie, M.E., Kim, H.S., Hodgins, D.C., **McGrath, D.S.**, & Tavares, H. (2018, February). *Demographic and psychiatric correlates of gambling disorder and sex addiction*. Poster presented at the 7th International Gambling Conference (IGC 2018). Auckland, New Zealand.
12. Shariff-Razi, M., Hodgins, D., Goghari, V., & **McGrath, D.** (2017, November). *Proactive and reactive mechanisms of response inhibition in gambling disorder*. Poster presented at the Issues of Substance Conference 2017, Addiction Matters, Calgary, Alberta, Canada.
13. Rash, C.L., **McGrath, D.S.**, & Boothby, C.A. (2017, November). *Problem gambling: Untangling expectations and motives*. Presentation at the 27th National Association for Gambling Studies Annual Conference, Melbourne, Australia.
14. Joyce, K., Hudson, A., O'Connor, R., Goldstein, A., Ellery, M., **McGrath, D.**, Perrot, T., & Stewart, S.H. (2017, October). *Retrospective and prospective assessments of gambling-related behaviours across women's menstrual cycle*. Poster presented at the National Centre for Responsible Gaming Conference on Gambling and Addiction, Las Vega, Nevada.
15. Joyce, K., Hudson, A., Goldstein, A., Ellery, M., **McGrath, D.S.**, & Stewart, S.H. (2017, June). *Variations in women's gambling behaviour across menstrual cycle phase to self-medicate and seek rewards*. Poster presented at the International Women's and Children's Health and Gender (InWomen's) Group 10th Annual Conference, Montreal, Quebec, Canada.
16. Stewart, H.S., Ghaferi, Z., Collins, P., Cowie, M., Romanow, N., Boothby, C., Horiachka, B., Zack, M., & **McGrath, D.S.** (2017, June). *Gambling-induced stimulant craving in regular stimulant users: A cross-priming study*. Poster presented at the 2017 NIDA International Forum, Montreal, Quebec, Canada
17. **McGrath, D.S.** (2017, April). *The influence of image content, colour, and type of gambling activity on attentional bias toward gambling stimuli*. Presentation at the Alberta Gambling Research Institute's (AGRI) 16th Annual Conference, Banff, Alberta, Canada.
18. Ritchie, E.V., **McGrath, D.S.**, Kim, H.S., Hodgins, D.C., von Rason, K.M., & Tavares, H. (2017, April). *Introducing the International Behavioural Addictions and Impulse Control Disorders Network: A collaboration between the University of Calgary and the University of Sao Paulo*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 16th Annual Conference, Banff, Alberta, Canada.
19. Thomas, J, **McGrath, D.S.**, & Dechant, K. (2017, April). *Similar motives? Conforming the unique motives for drinking and gambling behaviours*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 16th Annual Conference, Banff, Alberta, Canada.
20. Rash, C.L. & **McGrath, D.S.** (2017, April). *Motivations for not gambling among lifetime non-gamblers*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 16th Annual Conference, Banff, Alberta, Canada.
21. Rash, C.L., Ritchie, E.V., Kim, H.S., **McGrath, D.S.**, Hodgins, D.C., & Tavares, H. (2017, April). *Who steals to gamble? Assessing rates and psychological characteristics of*

- disordered gamblers who commit illegal acts.* Poster presented at the Alberta Gambling Research Institute's (AGRI) 16th Annual Conference, Banff, Alberta, Canada.
22. Horiachka, B., **McGrath, D.S.**, Ghaferi, Z., Cowie, M., Collins, P., Zack, M., & Stewart, H.S. (2017, April). *Gambling-induced stimulant craving in a regular stimulant users: A cross-priming study.* Poster presented at the Alberta Gambling Research Institute's (AGRI) 16th Annual Conference, Banff, Alberta, Canada.
23. Kim, H.S., Musani, I., Tejpar, S., **McGrath, D.S.**, & Hodgins, D.C. (2017, April). *Do disordered gamblers become problem substance users upon recovery? A systematic review of addiction substitution.* Poster presented at the Alberta Gambling Research Institute's (AGRI) 16th Annual Conference, Banff, Alberta, Canada.
24. Cassetta, B., S., Kim, H.S., **McGrath, D.S.**, Hodgins, D.C., & Tavares, H. (2017, April). *Disordered gambling and psychosis: Prevalence and clinical correlates.* Poster presented at the Alberta Gambling Research Institute's (AGRI) 16th Annual Conference, Banff, Alberta, Canada.
25. Stewart, S.H., Joyce, K., Hudson, A., Goldstein, A., Ellery, M., **McGrath, D.S.**, & Collins, P. (2017, February). *A study of women's gambling behaviour across the menstrual cycle.* Poster presented at the 2017 New Horizon's in Responsible Gambling Conference, Vancouver, British Columbia, Canada
26. Kim, H.S., **McGrath, D.S.**, & Hodgins, D.C. (2016, October). *Addiction substitution: What do we know and what do we need to know?* Poster presented at the 2016 Annual Killam Celebration, University of Calgary, Calgary, Alberta, Canada
27. Joyce, K., Hudson, A., Goldstein, A., Ellery, M., **McGrath, D.S.**, & Stewart, S.H. (2016, October). *A retrospective study of female gambling behaviour across the menstrual cycle.* Poster presented at the Department of Psychiatry 26th Annual Research Day, Faculty of Medicine, Dalhousie University, Halifax, Nova Scotia, Canada
28. **McGrath, D.S.** (2016, September). *The categorical stability of gambling motives among community-recruited gamblers over 5 years.* Presentation at the 11th European Conference on Gambling Studies and Policy Issues, Lisbon, Portugal.
29. Neilson, T., Lee, K., & **McGrath, D.S.** (2016, June). *The relationship between compulsive buying disorder and HEXACO personality traits.* Poster presented at the 77th Annual Convention of the Canadian Psychological Association, Victoria, British Columbia, Canada.
30. Fernandez, A., Sears, C.R., Dobson, K.S., & **McGrath, D.S.** (2016, June). *Moderating effect of daily stress on attention to gambling-related images.* Poster presented at the 16th International Conference on Gambling & Risk Taking, Las Vegas, Nevada, United States.
31. Thomas, J., **McGrath, D.S.**, & Dechant, K. (2016, April). *Common motives? Exploring the overlap between reasons for drinking and gambling.* Poster presented at the Alberta Gambling Research Institute's (AGRI) 15th Annual Conference, Banff, Alberta, Canada.
32. Lewis, M, Shead, W., & **McGrath, D.S.** (2016, April). *Basic mechanisms research: Implications for prevention and treatments.* Panel presentation at the Alberta Gambling Research Institute's (AGRI) 15th Annual Conference, Banff, Alberta, Canada.
33. Fernandez, A., Sears, C.R., Dobson, K.S., & **McGrath, D.S.** (2016, April). *The effects of stress on attention to gambling-related images.* Poster presented at the Alberta Gambling Research Institute's (AGRI) 15th Annual Conference, Banff, Alberta, Canada.

34. Boothby, C.A., Romanow, N.K., Kim, H.S., **McGrath, D.S.**, & Hodgins, D.C. (2016, April). *Assessing the role of impulsivity in smoking and non-smoking problem gamblers*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 15th Annual Conference, Banff, Alberta, Canada.
35. Rash, C.L. & **McGrath, D.S.** (2016, April). *Identifying self-generated motives for gambling abstinence*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 15th Annual Conference, Banff, Alberta, Canada.
36. Neilson, T., Rad, M., **McGrath, D.S.**, & Lee, K. (2016, April). *Relations between the HEXACO model of personality and compulsive buying and gambling involvement*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 15th Annual Conference, Banff, Alberta, Canada.
37. Schellenberg, B.J.I., **McGrath, D.S.**, & Dechant, K. (2015, March). *Evaluating the GMQ-F: Factor structure, measurement invariance, and relationships with gambling behaviour*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 14th Annual Conference, Banff, Alberta, Canada.
38. Rash, C.L., **McGrath, D.S.**, Schellenberg, B.J.I., & Dechant, K. (2015, March). *Validation of the Gambling Motives Questionnaire (GMQ-F) with open-ended reasons for gambling*. Poster presented at the Alberta Gambling Research Institute's (AGRI) 14th Annual Conference, Banff, Alberta, Canada.
39. **McGrath, D.S.** (2015, March). *Effect of Smoking Bans on Gambling Behaviour*. Presentation at the Alberta Gambling Research Institute's (AGRI) 14th Annual Conference, Banff, Alberta, Canada.
40. Sly, R.T., Barnes, M.L., Burroughs, H.E., & **McGrath, D.S.** (2014, May). *Substance use risk profiles and motives of marijuana use*. Poster presented at the 38th Annual Science Atlantic Undergraduate Psychology Conference, Fredericton, New Brunswick, Canada.
41. Burroughs, H.E., Sly, R.T., Barnes, M.L., & **McGrath, D.S.** (2014, May). *Substance use risk profiles and heavy episodic drinking in intramural athletes*. Poster presented at the 38th Annual Science Atlantic Undergraduate Psychology Conference, Fredericton, New Brunswick, Canada.
42. Reidpath, A.J., Grauman-Neander, L. R., Julian, A., Buckley, P., & **McGrath, D.S.** (2013, June). *Associations between substance use risk profiles and heavy episodic drinking frequency, severity, perceptions, and drinking situations*. Poster presented at the 74th Annual Convention of the Canadian Psychological Association, Quebec City, Quebec, Canada.
43. Meisner, K.L., Paulovic, S., & **McGrath, D.S.** (2013, June). *A comparison of self-generated motives for playing massively multiplayer online role-playing games (MMORPG)*. Poster presented at the 74th Annual Convention of the Canadian Psychological Association, Quebec City, Quebec, Canada. This poster won the award for best poster presentation by an undergraduate student in the Addiction Section of the Canadian Psychological Association.
44. Ferdinand, J.C., **McGrath, D.S.**, & Barrett, S.P. (2012, June). *The effects of acutely administered nicotine on cue-induced craving for alcohol among non-daily smokers who drink*. Poster presented at the 73rd Annual Convention of the Canadian Psychological Association, Halifax, Nova Scotia, Canada.
45. **McGrath, D.S.**, Monaghan, T.L., Ferdinand, J.C., & Barrett, S.P. (2012, June). *A comparison of gambling behaviour, motives, psychopathology, and personality among*

- young online and offline poker players*. Poster presented at the 73rd Annual Convention of the Canadian Psychological Association, Halifax, Nova Scotia, Canada.
46. MacKinnon, A.L., Sherry, S.B., Antony, M.M., Fossum, K., Graham, A.R., **McGrath, D.S.**, Nealis, L.J., Sherry, D.L., & Stewart, S.H. (2012, January). *Testing the social disconnection model in a short-term, four-wave longitudinal study*. Poster presented at the meeting of the Society for Personality and Social Psychology, San Diego, California, United States.
47. Dorbeck, A., **McGrath, D.S.**, & Barrett, S.P. (2011, June). *The effects of acute nicotine administration on sensitivity to gambling cues in high-risk gamblers who smoke*. Poster presented at the 72nd Annual Convention of the Canadian Psychological Association, Toronto, Ontario, Canada.
48. Mackinnon, S. P., Sherry, S. B., Graham, A. R., Stewart, S. H., Sherry, D. L., Allen, S. L., Fitzpatrick, S., & **McGrath, D. S.** (2011, April). *The perfectionism model of binge eating: A self-perpetuating cycle*. Paper presented at the 37th Annual In-House Conference of the Department of Psychology, Dalhousie University, Halifax, Nova Scotia, Canada.
49. **McGrath, D.S.**, Stewart, S. H., Schmid, E.A., & Barrett, S.P. (2010, September). *The effects of nicotine on gambling reinforcement: A laboratory investigation of craving, mood, heart rate, and betting patterns during video lottery terminal (VLT) play*. Poster session presented at the 12th Annual Meeting of the Society for Research on Nicotine and Tobacco Europe, Bath, United Kingdom.
50. Allen, S. L., Graham, A. R., **McGrath, D.**, Breen, E. K., Tonet, J., Sherry, D.L., Stewart, S. H., & Sherry, S. B. (2010, August). *The Existential Model of Perfectionism and Depressive Symptoms*. Poster presented at the 118th Convention of the American Psychological Association, San Diego, California, United States.
51. Allen, S. L., Mackinnon, S. P., Graham, A. R., Tonet, J. T., Breen, E. K., **McGrath, D. S.**, Sherry, D. L., Stewart, S. H., & Sherry, S. B. (2010, May). *Refining and extending the perfectionism model of binge eating: A 4-wave, 28-day longitudinal study*. Poster presented at the 34th Annual Atlantic Provinces Council on the Sciences Undergraduate Psychology Conference, Saint Francis Xavier University, Antigonish, Nova Scotia, Canada.
52. McGrath, P.R., **McGrath, D.S.**, & Banh, H.L. (2009, November). *Conducting clinical research: Pharmacists' perceptions of their role in the research process*. Paper presented at Pharmacy Rounds, Capital District Health Authority, Halifax, Nova Scotia, Canada.
53. Breen, E. K., Graham, A. R., Allen, S. L., Tonet, J. T., **McGrath, D. S.**, Stewart, S. H., Sherry, D. L., & Sherry, S. B. (2009, June). *The Perfectionism Model of Binge Eating: A second test of an emerging integrative model*. Poster presented at 70th Annual Convention of the Canadian Psychological Association, Montreal, Quebec, Canada.
54. Barrett, S.P., Bozec, L., & **McGrath, D.** (2009, June). *Characteristics of alcohol-tobacco co-use in occasional smokers that drink*. Paper presented at the 32nd Annual Scientific Meeting of the Research Society on Alcoholism, San Diego, California, United States.
55. Allen, S. L., Graham, A. R., **McGrath, D.**, Breen, E. K., Tonet, J., Sherry, D. L., Stewart, S. H., & Sherry, S. B. (2009, May). *Testing the existential alienation model: A cross-sectional study in an undergraduate sample*. Poster presented at the 35th Annual In-House Conference of the Department of Psychology, Dalhousie University, Halifax, Nova Scotia, Canada.

56. Graham, A. R., Allen, S. L., **McGrath, D.**, Breen, E. K., Tonet, J., Sherry, D. L., Stewart, S. H., & Sherry, S. B. (2009, May). *Perfectionistic concerns, catastrophizing, difficulty accepting the past, and depressive symptoms: A short-term, 4-wave prospective study*. Paper presented at the 35th Annual In-House Conference of the Department of Psychology, Dalhousie University, Halifax, Nova Scotia, Canada.
57. Sherry, S. B., Graham, A. R., **McGrath, D.**, Breen, E. K., Allen, S. L., Tonet, J., Sherry, D. L., & Stewart, S. H. (2009, April). *The perfectionism model of binge eating: A short-term, 4-wave longitudinal study of vulnerability, pathoplastic, and complication effects*. Paper presented at the 35th Annual In-House Conference of the Department of Psychology, Dalhousie University, Halifax, Nova Scotia, Canada.
58. Bozec, L.J., **McGrath, D.S.**, & Barrett, S.P. (2009, April). *Heterogeneity in patterns of non-daily smoking in occasional tobacco users*. Poster presented at the 2009 Joint Conference of the Society for Research on Nicotine and Tobacco and the Society for Research on Nicotine and Tobacco-Europe, Dublin, Ireland.
59. Temporale, K.L., Bozec, L.J., **McGrath, D.S.**, & Barrett, S.P. (2009, April). *Patterns and predictors of polytobacco use in non-daily tobacco users*. Poster presented at the 2009 Joint Conference of the Society for Research on Nicotine and Tobacco and the Society for Research on Nicotine and Tobacco-Europe, Dublin, Ireland.
60. Allen, S. L., Graham, A. R., **McGrath, D.**, Breen, E. K., Tonet, J., Sherry, D. L., Stewart, S. H., & Sherry, S. B. (2009, April). *A preliminary test of the existential alienation model: A 3-wave longitudinal study*. Poster presented at Meeting at the Crossroads: Student Research in Health Conference, Dalhousie University, Halifax, Nova Scotia, Canada.
61. Sutherland, S., **McGrath, D.**, Graham, A.R., Breen, E.K., Allen, S.L., Tonet, J., Sherry, D.L., Stewart, S.H., & Sherry, S.B. (2009, April). *Perfectionism and Depression: Testing Vulnerability, Scar, and Reciprocal Hypotheses in a 3-Wave Longitudinal Study*. Poster presented at Meeting at the Crossroads: Student Research in Health Conference, Dalhousie University, Halifax, Nova Scotia, Canada.
62. **McGrath, D.S.**, McGrath, P.R., Stewart, S.H., & Barrett, S.P. (2008, November). *A comparison of gambling behaviour among current smokers and non-smokers in a Canadian population-based sample of gamblers*. Poster presented at Tobacco Control for the 21st Century: Challenges in Research and Evaluation, Ontario Tobacco Research Unit, Toronto, Ontario, Canada.
63. Bozec, L.J., **McGrath, D.S.**, & Barrett, S.P. (2008, October). *Patterns and predictors of occasional tobacco use in young adults*. Poster presented at the Department of Psychiatry 18th Annual Research Day, Faculty of Medicine, Dalhousie University, Halifax, Nova Scotia, Canada.
64. **McGrath, D.S.**, Bozec, L.J., & Barrett, S.P. (2008, June). *Patterns and predictors of occasional tobacco use in young adults*. Poster presented at 69th Annual Convention of the Canadian Psychological Association, Halifax, Nova Scotia, Canada.
65. Stewart, S.H., Klein, R.M., Barrett, S.P., & **McGrath, D.S.** (2008, June). *Self-generated motives for gambling: Relations to gambling involvement, gambling problems, and co-morbid psychopathology in two population-based samples of gamblers*. Poster presented at 69th Annual Convention of the Canadian Psychological Association, Halifax, Nova Scotia, Canada.

66. Debus, A., & **McGrath, D.** (2008, June). *Small Business Owners' Perceptions of Growth and Productivity*. Paper presented at the 53rd International Council for Small Business (ICSB) World Conference, Halifax, Nova Scotia, Canada.
67. Bozec, L. & **McGrath, D.** (2008, April). *An exploratory analysis of occasional tobacco use amongst university students*. Poster presented at the 6th Annual Meeting at the Crossroads: Graduate Research in Health Conference, Dalhousie University, Halifax, Nova Scotia, Canada.
68. **McGrath, D.** (2008, April). *The effects of nicotine and tobacco smoke on VLT gambling behaviour*. Presentation at the 6th Annual Meeting at the Crossroads: Graduate Research in Health Conference, Dalhousie University, Halifax, Nova Scotia, Canada.
69. Stewart, S.H., Klein, R.M., Barrett, S.P., & **McGrath, D.S.** (2008, April). *Self-generated motives for gambling: Relations to gambling involvement, gambling problems, and co-morbid psychopathology in two population-based samples of gamblers*. Paper presented at 34th Annual Dalhousie University Department of Psychology In-House Conference, Halifax, Nova Scotia, Canada.
70. Gould, O., **McGrath, D.**, & Whittleton., M. (2006, November). *Story recall in nominal and collaborative dyads: Do partners really help?* Paper presented at the 59th Annual Scientific Meeting of the Gerontological Society of America, Dallas, Texas, United States.
71. Debus, A., & **McGrath, D.** (2006, September). *Partners in prosperity: How small businesses and local communities benefit from community attributes*. Paper presented at the 23rd Annual Conference of the Canadian Council for Small Business and Entrepreneurship (CCSBE), Trois-Rivières, Quebec, Canada.
72. **McGrath, D.**, Finlay, K., Kanetkar, V., Londerville, J., & Marmurek, H. (2006, May). *Coins or credits in slot machines?: Implied fun about illusion of control*. Paper presented at the 13th International Conference on Gambling & Risk Taking, Lake Tahoe, Nevada, United States.
73. **McGrath, D.** (2005, April). *A comparison of an E-ticket simulation and coin slot machines: Effects in problem and non problem gamblers*. Poster presented at Discovery 2005, the annual conference by the Responsible Gambling Council, Niagara Falls, Ontario, Canada.

Invited Talks

McGrath, D.S. (2017, July). *The influence of image content, colour, and type of gambling activity on attentional bias toward gambling stimuli*. The Psychiatry Institute, University of Sao Paulo, Sao Paulo, Brazil.

McGrath, D.S. (2016, November). *The influence of tobacco abstinence on gambling cravings and behaviour in gamblers who smoke*. University of Lethbridge, Lethbridge, Alberta.

McGrath, D.S. (2012, November). *The effects of nicotine on video lottery terminal gambling (VLT) in regular gamblers who smoke*. Department of Psychology Colloquium, University of New Brunswick, Fredericton, New Brunswick.

McGrath, D.S. (2012, November). *Foundations of structural equation modeling*. Department of Psychology, University of New Brunswick, Fredericton, New Brunswick.

SUPERVISORY ACTIVITIES

Graduate Student Supervision

- 2017-present Emma Ritchie, Department of Psychology, University of Calgary
Master of Science in Psychology (Supervisor)
- 2017-present Chelsea Fitzpatrick, Department of Psychology, University of Calgary
Master of Science in Psychology (Supervisor)
- 2016-present Christina Rash, Department of Psychology, University of Calgary
Master of Science in Psychology (Supervisor)
- 2015-present Kerry Martens, Department of Art, University of Calgary
Master of Fine Arts (Co-supervisor)

Honours Thesis Supervision

- 2016-2017 Stephen Williams, University of Calgary
- 2015-2016 Christina Rash, University of Calgary
- 2015-2016 Emma Ritchie, University of Calgary
- 2013-2014 Adrienne O'Neil, Mount Allison University
- 2012-2013 Paula Buckley, Mount Allison University
- 2012-2013 Amanda Reidpath, Mount Allison University
- 2011-2012 Justin Ferdinand, Mount Allison University
- 2009-2010 Tracy Monaghan (Co-supervisor), Dalhousie University
- 2007-2008 Lyndsay Bozec (Co-supervisor), Dalhousie University

Directed/Independent Studies Supervision

- 2018 Shang (James) Da Li, University of Calgary
- 2017-2018 Mallaz Najmi-Beauchamp, University of Calgary
- 2017-2018 Emma Xie, University of Calgary
- 2017 Christine Novitsky, University of Calgary
- 2017 Eva Fluckiger, University of Calgary
- 2016-2017 Brittany Horiachka, University of Calgary
- 2016 Stefania Garlicka, University of Calgary
- 2015-2016 Amadeus Meitner, University of Calgary
- 2015 Mandana Rad, University of Calgary
- 2015 Christina Rash, University of Calgary
- 2013-2014 Meghan Barnes, Mount Allison University
- 2013-2014 Hannah Burroughs, Mount Allison University
- 2013-2014 Rebecca Sly, Mount Allison University
- 2013-2014 Emma Wilson-Pease, Mount Allison University
- 2012-2013 Kate Meisner, Mount Allison University
- 2012-2013 Emma Wilson-Pease, Mount Allison University

2010-2011 Anders Dorbeck (Co-supervisor), Dalhousie University
2008-2009 Evan Schmid (Co-supervisor), Dalhousie University

COMMITTEE SERVICE

PhD Committees

2018-Present member of Maryam Sharif-Razi's Doctoral Thesis Committee, Department of Psychology, University of Calgary
2017-Present member of Amanda Fernandez's Doctoral Thesis Committee, Department of Psychology, University of Calgary
2017 member on Julie Choi's Doctoral Candidacy Committee, Department of Psychology, University of Calgary
2016-Present member of Yizhe Lin's Doctoral Thesis Committee, Haskayne School of Business, University of Calgary
2015-Present member of Hyoun (Andrew) Kim's Doctoral Thesis Committee, Department of Psychology, University of Calgary
2015-Present member of Jennifer Swan's Doctoral Thesis Committee, Department of Psychology, University of Calgary

Masters Committees

2017-Present member of Michelle Flynn's Master's Thesis Committee, Department of Psychology, University of Calgary
2015-2017 member of Maryam Sharif-Razi's Master's Thesis Committee, Department of Psychology, University of Calgary
2015-2016 member of Amanda Fernandez's Master's Thesis Committee, Department of Psychology, University of Calgary
2015-2016 member of Caitlin Comeau's Master's Thesis Committee, Department of Psychology, University of Calgary

External Examiner

2016 external examiner on Joel Mader's Master's Thesis Committee, Department of Education, University of Lethbridge
2016 internal-external examiner on Tamara Humphrey's Doctoral Dissertation Committee, Department of Sociology, University of Calgary
2016 external examiner on Mackenzie Becker's Master's Thesis Committee, Department of Education, University of Lethbridge
2014 external examiner on Tamara Nerlien's Doctoral Candidacy Committee, Department of Sociology, University of Calgary

SERVICE & PROFESSIONAL ACTIVITIES

Editorial Boards

2017-Present Journal of Cognitive Psychology, Editorial Board Member

Ad-hoc Reviewer

Addiction Biology
Addictive Behaviors
Alcoholism: Clinical and Experimental Research
American Journal on Addictions
Canadian Psychology
Criminal Justice and Behavior
Drug and Alcohol Dependence
International Gambling Studies
Journal of Behavioral Addictions
Journal of Gambling Issues
Journal of Gambling Studies
Journal of Psychiatric Research
Preventive Medicine
Psychiatry Research
Psychological Reports

Grant Reviewer

2018 Reviewer for Valuing Mental Health Innovation and Integration Research Grant Program, Policy Wise for Children & Families, Alberta Health Services Addiction & Mental Health Strategic Clinical Network

Committee Service

2017 Member of the Department of Psychology Academic Assessment Committee, University of Calgary
2017-Present Member of the Department of Psychology Undergraduate Program Committee Department of Psychology, University of Calgary
2016-2017 Member of the Department of Psychology Open House Organizing Committee, University of Calgary
2016-Present Member of the Department of Psychology Graduate Program Committee Department of Psychology, University of Calgary
2016 Co-chair and Committee Member Ontario Ministry of Health and Long-term Care Scientific Review Panel of the Ontario Health System Research Fund (HSRF) Call for Targeted Research in Problem Gambling
2015-2016 Member of the Planning Committee for the Alberta Gambling Research Institute's (AGRI) 15th Annual Conference, Banff, Alberta, Canada.
2015-Present Faculty of Arts Representative Markin Undergraduate Student Research Program (USRP) University of Calgary

- 2015-Present Chair of the Research Ethics Board
Department of Psychology, University of Calgary
- 2012-2014 Member of the Space Committee,
Department of Psychology, Mount Allison University
- 2008-2009 Member of the Space Committee,
Department of Psychology, Dalhousie University
- 2007-2008 Member of the Psychology Research Ethics Committee
Department of Psychology, Dalhousie University
- 2004 Member of the Ontario Council on Graduate Studies Review Committee
Department of Marketing and Consumer Studies, University of Guelph

TEACHING EXPERIENCE

Graduate Courses Taught

- 2017 University of Calgary
PSYC 712B.6 - Research in Brain and Cognitive Sciences
- 2015-2016 University of Calgary
PSYC620 Advanced Topics in Brain and Cognitive Sciences

Undergraduate Courses Taught

- 2018 University of Calgary
PSYC201 Principles of Psychology I
- 2017 University of Calgary
PSYC200 Principles of Psychology II
- 2015-2016 University of Calgary
PSYC475 Drugs and Behaviour
- 2014-2015 University of Calgary
PSYC503 The Psychology of Addictions
- 2012-2014 Mount Allison University
PSYC1001 Introduction to Psychology I
PSYC1011 Introduction to Psychology II
PSYC2701 Personality
PSYC3111 Conditioning
PSYC3151 Drugs and Behavior
PSYC4991 Psychology of Addiction
- 2011-2012 Mount Allison University
PSYC1001 Introduction to Psychology I
PSYC1011 Introduction to Psychology II
PSYC3991 Industrial & Organizational Psychology
PSYC4991 Psychology of Addiction
- 2011 Dalhousie University
P3225 Health Psychology

Guest Lectures

- 2008-2010 Dalhousie University
Delivered four course lectures:
P3122 Methods in Experimental Clinical Psychology
P2220 Abnormal Behaviour
- 2004 University of Guelph
Delivered four course lectures:
MSC2600 Consumer Behaviour

MEDIA RELATIONS

- The Brief Addiction Science Information Resource (BASIS) (2017, March). A problematic escape: The interaction between smoking and gambling. Vol. 13.
- Responsible Gambling Council (2016, November 11). Self-generated motives for not gambling among young adult non-gamblers. *NewsScan*, 18, 42.
- Smith, K. (2014, January 30). Meth-addled man fights police, resists taser in a feat of strength. *The Argosy*, 143, 14.
- McGrath, D.S.** (Speaker). (2013, September 16). Lotto 6/49 promises bigger prizes with higher ticket prices. [Televised news report]. In D. Bell (Producer), CTV News at Six. Halifax, NS: CTV Atlantic.
- GoodTherapy.org. (2012, May 1). Perfectionism: Cause or effect of depressive symptoms? [Web log post]. Retrieved from <http://www.goodtherapy.org/blog/perfectionismcause-effect-depression-0501122/>
- Bialski, P. & Tong, M. (2005, Summer). Social Interaction: Addicted. *Research Magazine*, 20, 14-18.
- nb.cbc.ca. (2003, July 14). Old guys are holding it together. *CBC News New Brunswick*. [Web log post]

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School of Communication and Arts
University of Queensland
Australia
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Citizenship: Australian

EDUCATIONAL QUALIFICATIONS

1998 PhD University of Melbourne
1991 Bachelor of Arts (Honours) University of Melbourne/Berkeley (CA)
1990 Bachelor of Arts University of Melbourne.

ACADEMIC POSITIONS

2017-present Associate Professor, Department of Political Science, University of Alberta
2014-2017 Senior Lecturer C, University of Queensland
2004- 2015 Lecturer B, University of Queensland
2002-3 Lecturer B, University of Sydney
2002-3 Lecturer A, University of Wollongong
2002-3 Lecturer A, University of Western Sydney
2001 -2002 Australian Research Council Postdoctoral Research Fellow,
University of Western Sydney
1999 – 2001 Australian Research Council Postdoctoral Research Fellow, Adelaide University
1998-1999 Lecturer A, University of Melbourne
1997 Lecturer A, University of Melbourne
1998 Tutor and Research Assistant, University of Melbourne
1996 Tutor and Research Assistant, University of Melbourne
1994 Tutor and Research Assistant, University of Melbourne
1993 Tutor and Research Assistant, University of Melbourne
1992 Tutor and Research Assistant, University of Melbourne

OTHER POSITIONS

2014 Project Manager, *Courting Blakness: Recalibrating Knowledge in the Sandstone University*, University of Queensland.
2003 Consultant, Migration Heritage Centre, Powerhouse Museum, Sydney

2001 Curator, Liverpool Regional Museum, Sydney

ACADEMIC PUBLICATIONS

Books

Gambling in Everyday Life (contracted with Routledge for submission in **December 2016**).

2015 *Courting Blakness: Recalibrating Knowledge in the Sandstone University* (author and academic editor with Fiona Foley and Louise Martin-Chew) University of Queensland Press, St Lucia.

2008 *Transnational Whiteness Matters* (co-edited with Aileen Moreton-Robinson and Maryrose Casey) Lexington Books, Maryland.

2001 *From Diggers to Drag Queens: Configurations of Australian National Identity*. Pluto Press, Sydney.

Edited Journal Issues

The Journal of Australian Critical Race and Whiteness Studies, 1(1) 2005.

Borderlands e-journal, 1 (2) 2002.

Refereed Journal Articles

Submitted

2015 “‘Almost the same but not quite’”: the camouflage of play in digital gambling platforms’. Co-authored with César Albarrán Torres and submitted to *Communication and Critical/Cultural Studies*, August, 2016.

Published

2014 ‘Beyond White Virtue: Reflections on the First Decade of Critical Race and Whiteness Studies in the Australian Academy’, *Critical Race and Whiteness Studies*. 10 (2). 1-19.

____ ‘Indian Dreaming: Iconography of the Zone/Zones of Iconography’, *Continuum: Journal of Media and Cultural Studies*. doi:10.1080/10304312.2014.941336. August 14.1-15

2013 ‘Finopower: Governing Intersections between Gambling and Finance’. *Communication and Critical/Cultural Studies*, 27 September, 2013.1-21

2012 ‘Bad Habits: Discourses of Addiction and the Racial Politics of Intervention’. *Griffith Law Review*. 21 (1) 164-189.

2011 ‘The Pokie Lounge as a Cultural Site of Neoliberal Governmentality in Australia’. *Cultural Studies Review*. 17 (2) 219-256

____ ‘Notes on Captain Cook’s Gambling Habit: Settling Accounts of White Possession’ *Journal of Critical Race and Whiteness Studies*. 7 (2) 1-23

2010 ‘Gambling Drivers: Regulating Cultural Technologies, Subjects, Spaces and Practices of Mobility’, *Mobilities*. 5 (3) 409 – 430 (co-authored with Dr Sarah Redshaw)

2009 ‘A Comparative Discussion of the Racialized Play of Symbolic Capital in Cultural and Political Economies of Indigenous Gambling in Australia and the United States’, *International Journal of Critical Indigenous Studies*. 2 (2) 10-24

2008 ‘On Talking about Indigenous Gambling and Economic Development in Australia, the US and Canada: Rights, Whiteness and Sovereignities’, *International Journal of Critical Indigenous Studies*, 2 (1) 49-61

2008 ‘Successful Resistance/Resisting Success’ *Journal of Social Epistemology*. 22 (2) 203-217. (co-authored with Melissa Gregg)

2008 ‘The Problematic Joys of Gambling: Subjects in a State’, *New Formations* no.63. 101-118.

- 2006** 'We Shall Fight Them on the Beaches: Protesting White Cultures of Possession', *Journal of Australian Studies*. Vol. 89, December. 149-160
- 2004** 'Are You Calling Me a Racist? Teaching Critical Whiteness Studies in Indigenous Sovereignty', *Borderlands e-journal*, 3(2) (no page nos).
- 2002** 'De-facing Terra Nullius and Facing the Secret of Indigenous Sovereignty in Australia', *Borderlands e-journal*, 1 (2) 2002 (no page nos)
- 2000** 'Indigenous Sovereignty and the Violence of Perspective: A White Woman's Coming Out Story', *Australian Feminist Studies*, Nov/Dec. 369-385
- 1999** 'Anglo-Celticity and the Cultural Politics of Tolerance', *The Queensland Review*. 6(1) 77-84
- 1998** 'B(l)acklash: Reconciliation after Wik', *Meanjin*, February, 57(1) 167 -183
- 1997** 'Facializing the Nation: The Digger's Face, 1918-1995', *New Formations*, no.31, Spring/Summer. 119 -140
- ____ "Up ya Bum"? Queer(y)ing Australian Nationalist Subjectivity', *Critical InQueeries*, 1(3). 53-75
- 1993** 'The Art of Reconciliation: Art, Aboriginality and the State', *Meanjin*. 52 (4) 1993. 705-718

Refereed Book Chapters

- 2014** 'War By Other Means? The Aboriginal Tent Embassy and the Australian War Memorial in National Space and Time' in (eds) Gary Foley, Edwina Howell and Andrew Schaap, *The Aboriginal Tent Embassy: Sovereignty, Black Power, Land Rights and the State*, Routledge. 267-283
- 2010** 'Subjects in A State: Cultural Economies of Gambling' in (ed) Sytze Kingma, *Cultural Perspectives on Gambling Organizations*, Routledge. 211-233
- 2008** 'What's So Funny about Indian Casinos?' in (eds) Katrina Schlunke and Nicole Anderson, *Cultural Theory in Everyday Practice*, Oxford University Press, Australia. 87-196
- 2008** 'Consuming Pathologies: The Australian against Indigenous Sovereignty' in (eds) Aileen Moreton-Robinson, Maryrose Casey and Fiona Nicoll, *Transnational Whiteness Matters*, Lexington Books, Maryland. 57-80
- 2007** 'Are You Calling Me a Racist? Teaching Critical Whiteness Studies in Indigenous Sovereignty', in (ed) Riggs, D. *Taking up the challenge: Critical Race and Whiteness studies in a Postcolonising Nation*. Crawford House Publishers, Adelaide. 17-33
- 2006** 'Transcending Traitorship and Troubling Gender Trouble: Post-colonising White Masculinities in Drag Performance', in (eds) A. Kierkander, J. Bollen & B. Parr, *What's A Man Gotta Do?*, Centre for Australian Language, Literature, Theatre and Screen Studies, University of New England. 241-255
- 2006** 'Aboriginal Art: It's a White Thing: Framing Whiteness' in (ed) Fiona Foley, *The Art of Politics: The Politics of Art*, Keeaira Press. 1-5
- 2004** 'Queer(y)ing Ordinary Mums and Dads', in (ed) David Carter, *The Ideas Market: Public Intellectuals and The Conscience Industry*, Melbourne University Press. 163 – 178
- 2004** 'Reconciliation In and Out of Perspective: White Knowing, Seeing, Curating and Being @ Home In and Against Indigenous Sovereignty' in (ed) Aileen Moreton-Robinson, *Whitening Race: Essays in Social and Cultural Criticism*, Australian Institute of Aboriginal and Torres Strait Islander Studies Press, Canberra. 17-31

Non Refereed Academic Publications

- 2015** 'What Can Art Do?' Introduction essay for *Courting Blakness: Recalibrating Knowledge in the Sandstone University*, University of Queensland Press, St Lucia 2015(In Press)
- 2015** 'Indigenous Knowledge and the Art of Thinking', Conclusion essay for *Courting Blakness: Recalibrating Knowledge in the Sandstone University*, University of Queensland Press, St Lucia, 2015(In Press)

Editorial Essays

2008 'Editorial Introduction: Virtue and Transnational Whiteness', (co-authored with Aileen Moreton-Robinson and Maryrose Casey) in (eds) Moreton-Robinson, A., Casey, M. and Nicoll, F., *Transnational Whiteness Matters*, Lexington Books, Maryland. ix-xvi

2005 'Editorial Introduction', *Journal of the Australian Critical Race and Whiteness Studies Association*, 1 (1) 2005. 1-7

2002 'On What Grounds?' (co-authored with Brett Neilson and Fiona Allon) *Borderlands e-journal*, 1 (2) (no pages).

ART WRITING

Exhibition Catalogues

2015 *Courting Blakness: Recalibrating Knowledge in the Sandstone University*, St Lucia: University of Queensland Press, 2015

2002 *Aunty Nance*, Liverpool Regional Museum, Sydney. 1-24

Catalogue Essays

2013 'Colouring Whiteness: Framing States of Domestication', *The Art of Danie Mellor*, University of Queensland Art Museum, St Lucia and Art Gallery of Northern Territory. 109-123

2012 'Vernon Ah Kee: Speaking the unwritten truth of White Ignorance', *New V2: Selected Recent Acquisitions 2009-2011*, University of Queensland Art Museum, St Lucia. 75-78

2009-10 'No Substitute: Political Art against the Opiate of the Colonising Euphemism', *Forbidden: Fiona Foley*, Museum of Contemporary Art and University of Queensland Art Museum, St Lucia. 60-63.

Art Exhibition Reviews

2006 'Art Worlds', Review, *Machine*, October. 14-15

2002 (The World May Be) Fantastic, Sydney Biennale, *ARTNEWS*, (www.artnews.com.au/nsw.htm) (no page numbers)

2000 'Going That Way', Tandanya, exhibition review with Alison Baker, *Art Monthly* Online November. (no page numbers)

1993 'Aboriginal Art After Mabo', *Melbourne University Gallery Bulletin*, 5 (4) 3-7

1989 'My Trip to Alice', *CHAI*, vol.3, 21-32.

PUBLIC PRESENTATIONS

Invited Public Lectures

2015 'Problematizing the Problem Gambler', School of Law, University of Wollongong, November 2.

Invited Keynote Lectures

2016 Invited international keynote *All Bets are Off: The Bingo Project*, University of Kent, June 23-24, UK.

2013 Invited national keynote, *Mapping your law/lore*, Australian Critical Race and Whiteness Studies Association, Murdoch University, Perth.

2004 Invited national keynote, 'Reading The Australian: the Antipodean Everyday' *Cultural Studies Association of Australasia conference*, December 9-13. Murdoch University, Perth

Invited Panel Addresses

2016 'What Can Art do in a University?', School of Law, University of Wollongong, November 6

2015 'Beyond Empathy: Critical Perspectives on Indigenous and Multicultural Media', School of Arts and Media, University of NSW, November 3.

2011 Invited national panellist, 'War by Other Means? The Australian War Memorial and the Aboriginal Tent Embassy in National Space and Time, *Aboriginal Tent Embassy Symposium*, Australian National University, June 20-22.

2010 Invited national panellist, 'Teaching Whiteness within Indigenous Sovereignties' *Challenging Politics Conference: Educating on the Edge*, June 10-11. University of Queensland.

2009 Invited international panellist, 'Finopower: cultural distinction between chance and skill-based gambling forms and practices', *Calculated risks: new perspectives on gambling*, 17-18. September, Goldsmiths, University of London.

2007 Invited national panellist, 'Racing Subjects of Possession', *Possession? Captain Cook in the Political Imagination* colloquium, July 12-13, 2007, University of Technology Sydney.

2006 Invited national panellist 'Gambling and Older Australians', *Crossing the Cultural Divide: Where Do Older People Fit in Australian Culture*, Australasian Centre on Ageing, December 6, University of Queensland, Brisbane.

2005 Invited national panellist, 'Aboriginal Art: It's A White Thing', *Art of Politics/Politics of Art Symposium*, October 6-7. Queensland Museum, Brisbane.

2003 Invited national panellist, 'Betting Against the Thoroughbreds: White Cultures of Gambling in Australia', *The Australian Sociology Association Conference*, December, 4-6. University of New England, Armidale.

____ Invited national panellist, 'White Knowing and Teaching Critical Race and Whiteness Theory in Indigenous Sovereignty', *Placing Race/Locating Whiteness*, October 1-3. Flinders University, Adelaide.

2001 Invited national panellist, 'Post-colonial Nationalisms and the Problem of Heterosexual Whiteness', *Remembering/Forgetting, Transforming Cultures*, Winter School, July 12-14. University of Technology, Sydney.

Invited national panellist, "Beyond Reconciliation: Aspects of Indigenous Sovereignty in Australia", *Bridge Over Troubled Waters Symposium*, June 1. University of Wollongong.

Conference Presentations

2015 'Gambling's Media Devices, *Interrogating Media Devices*, University of Queensland, School of Communication and Arts, July 6-7.

2014 'Almost the Same but not Quite: The Camouflage of Play in Digital Gambling Iconography', *Dangerous Consumptions*, University of Queensland, December 10.

____ 'Recalibrating Knowledge in the Sandstone University', *Courting Blakness National Symposium*, University of Queensland, September 4.

2013 'Transnational Zones of Gambling Iconography' (with Cesar Albarran-Torres), *Dangerous Consumptions*, University of Western Sydney, 5-6 December.

2012 'Indians without Cowboys and Casinopolitanism' (with Alan Han) *Australian Critical Race and Whiteness Studies Association*, Adelaide University 7-10 December.

____ 'Finopower: Governing Intersections between Gambling and Finance', *Cultural Studies Association of Australasia Conference*, Sydney University 4-6 December.

____ *Zones of Iconography: Iconography of the Zone, Dangerous Consumptions*, Auckland University of Technology, 29-30 November.

2011 'Semiotic analysis of 'Indian-themed iconography in Pokies', *Dangerous Consumptions*, UNSW, Sydney, 19-20 November.

____ 'Indians without Cowboys: Australian Poker Machine Iconography', *Race and Sovereignty* symposium. University of California, Los Angeles, 31 March-2 April.

2009 'Gambling Drivers' with Dr Sarah Redshaw, *Dangerous Consumptions*, University of Melbourne, 26-27 November.

2008 'Gambling Cultures' with Dr Fiona Allon, Futures, *Cultural Studies of Australasia Conference*, Curtin University Kalgoorlie, 1-4 December.

2007 'Whiteness and the Racialised Subject of Problem Gambling Discourses in Australia', *Transforming Bodies, Nations and Knowledges*, University of South Australia, 11 December.

2007 'Bringing Them Home: the Living and Dead Casualties of the History Wars', *When the Soldiers Return*, University of Queensland, 30 November.

2006 'What's so Funny about Indian Casinos?' *The Border Politics of Whiteness*, Macquarie University, Sydney, 30 November.

____ 'Cultural Economies of Gambling', *Dangerous Consumptions*, ANU, Canberra, 5 December.

2004 'Problematising the "Problem Gambler": Indigenous Rights in Australia after ATSIC', *Gambling Studies conference*, University of Western Ontario, London, Canada 13-16 October.

____ 'Transcending Traitorship: The Necessity of Interracial Drag', *What's A Man Gotta Do? Conference*, University of New England, 15-16 April.

2003 'Beyond the Problem Gambler: Cultural Economies of Gambling in Australia', *National Association of Gambling Studies*, Canberra, 27-30 November.

2001 'From Diggers to Drag Queens?' *Nation and Narration Conference*, Australian Studies Centre, University of Queensland, 23-25 June.

2001 'Celebrating/Federating/Procrastinating', *3rd Conference of the International Association for the Study of Sexuality, Culture and Society*, University of Melbourne, 8 October.

1999 'Nationalist Drag', *Performing Unnatural Acts: Critically Queering Racial Cultural Studies*, Ethnic and Race Studies, Berkeley, University of California, 29-31 October.

1998 'Beyond Reconciliation: Aspects of Indigenous Sovereignty in Australia', *Australian Cultural Studies Conference*, and University of Adelaide. 6-9 December.

Other Invited Public Presentations

2015 Invited public lecture, Legal Intersections Research Centre, University of Wollongong (**forthcoming**).

2013 Invited public lecture, 'Courting Blakness' with Fiona Foley and Campbell Gray, Centre for Critical and Cultural Studies Public Lecture Series. University of Queensland, 6 August.

2013 Invited panellist, 'What Can Art Do? An Interdisciplinary Roundtable Discussion', School of English, Media Studies and Art History, University of Queensland, 11 July.

2013 Invited panellist, '*Djalkiri*: Collaboration or Intervention?' University of Queensland Art Museum. 31 May.

2010 Invited chair of 'Queer Writing' panel for Brisbane Writers Festival, 4 September.

2009 Panel Discussion with Fiona Foley, Jonathan Richards and Andrew Boe, *Invisible Histories*, University of Queensland Art Museum, Brisbane, 20 February.

____ 'The Cultural Space of the Pokie Lounge and neo-liberal Governmentality', Department of English and American Studies. Faculty of Arts, Masaryk University, Brno, Czech Republic, 15 September.

____ 'Introducing Critical Race and Whiteness Studies', Department of English and American Studies, Faculty of Arts, Masaryk University, Brno, Czech Republic, 15 September.

____ 'Cultural Spaces of Gambling in Australia', School of Culture, Organisation and Management, Vrije Universiteit, Amsterdam, 21 September.

____ 'Social Identities in Gambling', School of Culture, Organisation and Management, Vrije Universiteit, Amsterdam, 23 September.

2007 'Australian Identity', Centre for Research on Group Processes in the School of Psychology, University of Queensland, 30 November.

2006 'Gambling Drivers' with Dr Sarah Redshaw, English, Media Studies and Art History, University of Queensland, 31 October.

____ 'The Problematic Joys of Gambling: Subjects in a State', English, Media Studies and Art History, University of Queensland, 27 October.

REVIEWS

Academic Review Essays

2015 Review Essay on *The White Possessive: Property, Power and Indigenous Sovereignty*, University of Minnesota Press, 2015 by Aileen Moreton-Robinson *Mohawk Interruptus: Political Life across the Borders of Settler States*, Duke University Press, 2014 by Audra Simpson. *International Journal of Critical Indigenous Studies* (In Press)

2014 Review Essay on *Indigenous Sovereignty and the Being of the Occupier: Manifesto for a White Australian Philosophy of Origins* by Nicolacopoulos, T. and Vassilacopoulos, *International Journal of Critical Indigenous Studies*, 7(2)1-6

2014 Review Essay on *Last Bets: A True Story of Gambling, Morality and the Law*, *Australian Review of Public Affairs*. November. (no page numbers) <http://www.australianreview.net/digest/2014/11/nicoll.html>

2011 Review Essay on First Nations Gaming, *Aboriginal Policy Studies*, 1 (2) 182-87

2009 Review Essay on *In the Vernacular: A Generation of Australian Culture and Controversy* by Stuart Cunningham, *Journal of the Association for the Study of Australian Literature*, vol.9.1-4

____ Review Essay on *The Porn Report*, by Alan McKee, Catherine Lumby and Catherine Albury, *Journal of Australian Studies* 32(3) 405-21

2007 Review Essay on *The Third Space of Indigenous Sovereignty* by Kevin Bryneel, University of Minnesota Press, 2007 and *Sovereign Subjects* (ed) Aileen Moreton-Robinson, *Politics and Culture: An International Review of Books*, Issue 3. (no page numbers)

____ Review Essay on *Sovereign Subjects: Indigenous Sovereignty Matters*, (ed) Aileen Moreton-Robinson, Allen & Unwin, *Australian Women's Book Review*, 19 (2) 9-13

2006 Review Essay on 'Locating Whiteness in the Academic Production of "Indigenous Philosophy" in and of Time and Place (Stephen Muecke, *Ancient & Modern: Time, Culture and Indigenous Philosophy*, UNSW Press, 2004 and Deborah Bird Rose, *Reports From a Wild Country: Ethics for Decolonisation*, UNSW Press, *Borderlands eJournal*, 5(1) (no page numbers)

2003 Review Essay on *Against Paranoid Nationalism* by Ghassan Hage, *Cultural Studies Review*, November. 203-211

2000 Review Essay on *White Aborigines: Identity politics in Australian art* by Ian McLean, *Postcolonial Studies*, 3(1) 111-117

Academic Book Reviews

2009 Review *Convincing ground: learning to fall in love with your country* by Bruce Pascoe, *Journal of Australian Studies*, 33 (2) 245-247

2008 Review of Race and Epistemologies of Ignorance, *Social Epistemology* 24(2) 137-9
Review of High Stakes: Florida Seminole Gaming and Sovereignty, by Jessica Catellino. *International Journal of Critical Indigenous Studies*, 1(1). 55-56.

TEACHING EXPERIENCE

Undergraduate Teaching at University of Queensland 2004 - current

My undergraduate teaching encompasses all levels from first year through to honours and postgraduate course-work. I provide quality, research-led teaching to students through a combination of face-to-face and electronic learning methods and platforms. I regularly monitor my teaching performance by responding to issues identified in student evaluations and to the constructive suggestions of colleagues.

- **Introduction to Communication and Cultural Studies (COMU1000)**

Gateway course to the communication and cultural studies major, introducing key concepts, current research trends and methodology of semiotic analysis.

- **Introduction to Media Studies (MSTU1000)**

Gateway course to the media studies major, introducing media industries, policies and texts and presenting students with reflections by current industry leaders.

- **Television and Popular Culture (MSTU2008)**

Second level television studies course exploring the relationship between television producers and audiences within framework of popular culture studies.

- **Media, Ideology and Culture (MSTU2003)**

Second level cultural studies course with focus on media discourses and texts through evolving theories of ideology and the subject.

- **Issues in Cultural Studies (COMU3005)**

Capstone (third level) course in which students are taught how to apply the 'circuit of culture' model to produce a developed and informed cultural study of a space, product or practice of their choice.

- **Cultural Studies Theory (CCST2220)**

Second and third level course presenting cultural studies theory from the Birmingham School and structuralism through to post-structuralist, feminist, postcolonial and queer studies.

Honours courses

- **Everyday Cultures (COMU6002)**

Course preparing honours students to apply cultural studies literature on everyday life to their research topics.

Courses taught prior to 2004

- **Introduction to Australian Studies** (Wollongong University)
- **Perspectives on Contemporary Aboriginal Art** (University of Melbourne)
- **Introduction to Cultural Studies** (University of Western Sydney)
- **Gender Studies** (University of Western Sydney)
- **Gender, Race and Australian Identities** (University of Sydney)

Postgraduate Teaching

My commitment to and success in supervising postgraduate students is evident in the timely graduation of fourteen candidates (including eight PhDs) since 2004. In addition to supervising theses on a range of topics I have developed customised courses to introduce relevant literature and key concepts and arguments within specific fields of study. My completed supervisions of international students demonstrates my skills in managing the needs of culturally and linguistically diverse students.

- **Writing Whiteness and Race**

An international master-class featuring experts in critical race and whiteness studies: Aileen Moreton-Robinson, David Roediger, Marilyn Lake, Suvendrini Perera and Gillian Whitlock.

- **Theorising Subjectivity**

Postgraduate course preparing students to engage at a high level with theories of subjectivity used across the Arts Faculty.

Current PhD Supervision Topics

- *Environmental discourses and knowledges in Indigenous film-making in Australia and Brazil*
- *The figure of the melancholy white woman in contemporary Hollywood cinema*
- *Use of mobile communication technologies by rural migrants working in Chinese factories*
- *Photographic practice as mediation of problems in father and son relationships*
- *'Dark Tourism' practices and neo-liberal subject formation in the former Yugoslavia*
- *Mythological iconography in video gaming designs*
- *Discourses of risk in contemporary visual art practice*

Completed PhD Supervision Topics

- *Humour in Aboriginal Australian Art and Literature*
- *Re-imagining Medieval Men: Adapting Medieval Masculinities in Contemporary Popular Culture*
- *'Belonging in the Museum: An examination of Chinese Australian heritage'*
- *Three Women Artists in Twentieth Century China*
- *Contemporary Televisual Spaces, Power Dynamics and Constructions of Identity in Prison Break*

- *Recruitment in the visual arts: a comparative study of Second World War: Australian propaganda posters and Greek popular icons.*
- *Babylon Gets Rude: The Representation of Racial Violence in Black British Writing*
- *Transnational Adoption and Constructions of Identity and Belonging: A Qualitative Study of Australian Parents of Children Adopted from Overseas*

Completed Masters of Philosophy Supervision Topics

- *Reconciliation and Representations of Youth in Indigenous Cinema 1990 - 2004*
- *The Otherwise Than Being of J. M. Coetzee and Emmanuel Levinas*
- *'Because You Demanded It!' Participatory Culture and Superhero Comic Book*
- *Representations of Indigenous Youth in Australian Literature and Film*
- *Representations of Carnivale in Brazilian Popular Media*

EXTERNAL GRANTS

2012-2013

\$60,000 from Arts Queensland (Queensland State Government) for *Courting Blakness: Recalibrating Knowledge in the Sandstone University*.

\$15,000 from Copyright Australia Limited for *Courting Blakness: Recalibrating Knowledge in the Sandstone University*.

\$10,000 philanthropic donation from Professor Fred D'Agostino for *Courting Blakness: Recalibrating Knowledge in the Sandstone University*.

\$ 5,000 from *National Indigenous Research Network* (QUT) for *Courting Blakness: Recalibrating Knowledge in the Sandstone University*.

2006-9

\$16,000 from Higher Education Equity Support Program to support pilot project *Embedding Indigenous Knowledge across a School*.

1999-2001

ARC postdoctoral fellowship for *From Diggers to Drag Queens: National Identity at the Intersection of Anzac Day and Mardi Gras*.

AWARDS AND FELLOWSHIPS

2015 Legal Intersections Research Centre Fellowship, University of Wollongong.

2013 Centre for Critical and Cultural Studies Visiting Fellowship, UQ

2005 Centre for Critical and Cultural Studies Visiting Fellowship, UQ

2004 UQ New Staff Research Start-Up Fund, UQ

2001 Short listed author for NSW Premier's Award for *From Diggers to Drag Queens* (Pluto, 2001)

2002 Highly Commended Member, Centre for Cultural Research, UWS

1999 Australian Academy of Humanities Publication Grant

1995 Alma Hansen Travelling Scholarship, University of Melbourne

1993 University Fund Travelling Scholarship, University of Melbourne

1992 Faculty of Arts Travel Grant, University of Melbourne

1991 Australian Postgraduate Research Award

1990 Melbourne University Postgraduate Scholarship

ACADEMIC SERVICE

National Leadership

2004-6 Founding Vice-President of the Australian Critical Race and Whiteness Studies Association

2004-5 Created website for the Australian Critical Race and Whiteness Studies Association and produced and edited inaugural journal issue.

Editorial Board Membership

2013 – *Writing From Below*

2009 – *Critical Race and Whiteness Studies*

Academic Association Membership

2004 -

- Australian Critical Race and Whiteness Studies Association
- Cultural Studies Association of Australasia
- Indigenous Studies Research Network (non-Indigenous affiliate)

Peer Review

Aboriginal History, Addiction Research and Theory, Australian Journal of Indigenous Education, Borderlands eJournal, Critical Race and Whiteness Studies, Cultural Studies Review, Gender Space and Society, Griffith Law Review, International Gambling Studies, International Journal of Critical Indigenous Studies, Journal of Addiction Studies, Journal of Australian Studies, Journal of Intercultural Studies, Journal of Languages and Culture, Australian Feminist Law Journal, Journal of Performance Studies, M/C Journal of Media and Communication, New Formations, Postcolonial Studies, Social Epistemology, Social Semiotics, TV and New Media, International Journal of Cultural Studies.

Conference Convening

2015 Convened national symposium *Interrogating Media Devices*, a two day meeting of critical media and cultural studies scholars working on the theme of digital devices and surveillance.

2014 Convened national colloquium *Dangerous Consumptions*, an interdisciplinary gathering of researchers presenting work on risky cultural products, practices and spaces.

2014 Convened *Courting Blakness: Recalibrating Knowledge in the Sandstone University*, a two day national symposium gathering Indigenous and non-Indigenous artists, curators and academics together to discuss themes explored in the temporary Indigenous art installation.

2005 Convened *Whiteness and the Horizons of Race* conference with Australian Studies Centre, UQ at which over 100 delegates presented 72 papers and 4 Keynote speeches were delivered by national and international experts in the field.

Research Thesis Examinations - PhD

Marisa Fogarty, 'Is Aboriginal gambling a problem? An analysis of gambling in a remote Aboriginal community in Northern Australia', Charles Darwin University

Clare Land 'The Politics of Solidarity with Indigenous Struggles in Southeast Australia', Deakin University, April 2012

Elaine Kelly, 'Sovereign Hospitalities: Liberal Democracy's Economies of Violence Towards its "Others"', Macquarie University, February 2009

Colin Salter, 'In Terms Most Familiar: Technologies of Whiteness in Australia and Canada – A Comparative Analysis', University of Wollongong, May 2008

Sally Ann Coppard, 'The Dance Between Cosmography and Chorography: Mapping Australia', University of Western Sydney, August 2005

Kylie Message, 'Exhibiting Visual Culture: Narrative, Perception and the New Museum', University of Melbourne, December, 2002

Ben Wadham, 'What Does a White Man Want: White Australian Masculinities and Aboriginal Reconciliation', Flinders University, August 2002

Research Thesis Examinations - Master of Arts

Jessica Czaban, 'Challenging White Fantasies of Post-Aboriginality: Reading the Work of Fiona Foley and Vernon Ah Kee.' College of Fine Arts, University of Sydney.

Kiera Lindsey, 'Drawing a Line: the Colonial Genesis of the Hume Highway, University of Melbourne, January, 2006

Maggie Fletcher, 'Dreaming': Interpretation and Representation', Flinders University, February, 2003

Ali Baker, 'Identity like my Nan's Squeezebox has hidden folds', Flinders University, 2002

Policy Impact

2013-2015 *Courting Blakness* is a high profile transformative education project using a temporary public art installation of contemporary Indigenous art and national symposium to promote cross-cultural discussion of issues that matter to Indigenous and non-Indigenous Australians. Building on its success, curator Adjunct Professor Fiona Foley has been invited to curate a larger project at UTS in 2018 to commemorate the 1938 Aboriginal Day of Mourning. Following the publication of the illustrated edited collection of essays by the University of Queensland Press, this project is likely to have further impact in arts, education and Indigenous policy.

2012 Comparative cultural research with Sarah Redshaw on driving and gambling has citations in articles published in the *Journal of the Australasian College of Road Safety* and the *Canadian Journal of Law and Society*.

2007 *From Diggers to Drag Queens* was cited in a policy report by the ANU School of Social Sciences titled *How well does Australian democracy serve sexual and gender minorities?*

Media Comment

I provide media comment on several areas, from nationalism and race politics to cultural aspects of gambling in Australia.

2013 'Born to Bet? The Tom Waterhouse Media Effect', *The Conversation*, 21 May.

<http://theconversation.com/born-to-bet-four-corners-on-the-tom-waterhouse-media-effect-14503>

2012 Interview on Melbourne Cup Day cited in *Courier Mail* 5 November.

2011 'Melbourne Cup Day Celebrations', Radio Australia', 1 November

2011 'More than Just a Day at the Races: Gambling in Australian Culture', *The Conversation*, 27 June.
<http://theconversation.edu.au/gambling-in-australian-culture-more-than-just-a-day-at-the-races-1706>
(republished on ABC Drum website)

2010 cited in 'Cab racism claims refuted by Dan Nancarrow', *Brisbane Times*, 10 July.

2006 'The Gaming Industry' Australia Talks Back, ABC Radio, (live talkback) 24 October .

____ 'Curating the Aunty Nance exhibition', BBC Radio, 11.00 am (Radio interview) 12 July.

____ 'Remembering Aunty Nancy De Vries', Koori Radio, Sydney 10.30 am (Radio interview), 19 June.

GARRY J. SMITH, Ph.D.
(Gambling Studies CV)

Academic and Professional Experience:

Lecturer—University of New Brunswick, School of Physical Education (1965-66)

Assistant Professor—University of Western Ontario, Faculty of Physical Education (1967-71)

Professor—University of Alberta, Faculty of Physical Education and Recreation (1972-97)

Professor Emeritus—University of Alberta (1997-present)

Gambling research specialist—Alberta Gaming Research Institute (1999-present)

Degrees Awarded:

Bachelor of Physical Education, University of Alberta (1963)

Master of Arts, University of Western Ontario (1968)

Doctor of Philosophy, University of Alberta (1974)

Summary of Gambling Research Involvement:

Dr. Garry Smith has researched gambling-related topics for twenty-five years, during which time he has produced numerous government reports and articles for academic journals, as well as addressing national and international audiences on gambling-related matters. Dr. Smith also appears frequently in the mass media commenting on gambling issues, including CBC's "The National" and "The Fifth Estate" TSN documentaries, Toronto Globe and Mail, Canadian Business, and so forth.

Dr. Smith has been lead or co-investigator on several province of Alberta gambling studies including the 1994, 1998, 2002 adult prevalence studies and the 1996 adolescent prevalence study; the principal researcher for a 1999 study of Crime and Gambling in western Canada for the Canada West Foundation; and the principal investigator of two recent Alberta Gaming Institute reports: "A Preliminary Analysis of Video Lottery Terminal Gambling in Alberta" (2004) and "Using Police Files to Assess Gambling Impacts: A Study Of Crime and Gambling in Edmonton" (2003). Dr. Smith along with Dr. C. Campbell and Dr. T. Hartnagel also coauthored a report for the Law Commission of Canada's *What is a Crime?* series entitled "The Legalization of Gambling in Canada (2005). Dr. Smith was also a member of the Alberta Gambling Research Institute team that conducted a five year longitudinal study (The Leisure, Lifestyle, & Lifecycle Project, 2015) that examined 1808 Albertan's gambling patterns and behaviors.

Dr. Smith was one of forty North American invitees to the Harvard University "Think Tank" on youth gambling issues in 1995 and was awarded the University of Alberta's prestigious McCalla professorship in 1991 to study the social and economic impacts of gambling. In 2003 Dr. Smith was an invited as a visiting scholar by the Australian Centre for Gambling Research (university of Western Sydney).

Currently, Dr. Smith is a University of Alberta professor emeritus and a gambling research specialist for the Alberta Gaming Research Institute. Dr. Smith's research interests include the social and economic impacts of gambling, gambling and problem gambling prevalence studies, crime and gambling and sports gambling.

RECENT GAMBLING-RELATED ACADEMIC AND CONSULTING INVOLVEMENTS

Peer Reviewed Academic Journals

Smith, G. (forthcoming 2018). Sports gambling. *Encyclopedia of Sociology*. New York: Wiley Blackwell.

Hancock, L. & Smith, G. (2017). Replacing the Reno Model with a robust public health approach to responsible gambling: Hancock and Smith's response to commentaries on our original Reno Model Critique. *International Journal of Mental Health and Addiction*, 15(6), 1209-1220.

Hancock, L. & Smith, G. (2017). Critiquing the Reno Model !-V international influence on regulators and governments (2004-2015)—the distorted reality of responsible gambling. *International Journal of Mental Health and Addiction*, 15(6), 1151-1176.

Currie, S., Hodgins, D., Casey, D., el-Guebaly, N., Smith, G., Williams, R. & Schopflocher, D. (2017). Deriving low-risk gambling limits from longitudinal data collection in two independent Canadian Studies. *Addiction* online, Mar. 31, 2017.

el-Guebaly, N., Casey, D., Currie, S., Hodgins, D., Schopflocher, D., Smith, G. & Williams, R. (2015). The Leisure, Lifestyle, & Lifecycle Project (LLLP): A Longitudinal Study of Gambling in Alberta. Final report prepared for the Alberta Gambling Research Institute, Edmonton, AB.

Quigley, L., Yakovenko, I., Hodgins, D., Dobson, K., el-Guebaly, N., Casey, D., Currie, S., Smith, G., Williams, R. & Schopflocher, D. (2014). Comorbid problem gambling and major depression in a community sample. *Journal of Gambling studies* (online version, Aug. 12, 2014).

el-Guebaly, N., Hodgins, D., Williams, R., Schopflocher, D., Smith, G. & Casey, D. (2014). SY 17-1 Highlights from the Canadian longitudinal studies on problem gambling. *Alcohol and Alcoholism*, (published online Sept. 12, 2014).

Smith, G. & Simpson, R. (2014). Gambling addiction defence on trial: Canadian expert witness perspectives. *International Journal of Criminology and Sociology*, (3), 319-326.

Smith, G. (2014). The nature and scope of gambling in Canada. *Addiction*, 109(5), 706-710.

Smith, G. (2013). Tangled Web: Investigating Canadian lottery scandals. *Journal of Gambling Issues*, 28, 1-16.

Smith, G., Schopflocher, D., el-Guebaly, N., Casey, D., Hodgins, D., Williams, R. & Wood, R. (2011). Community attitudes toward legalized gambling in Alberta. *International Gambling Studies*, 11(1), 57-59.

Casey, D., Williams, R., Mossiere, A., Schopflocher, D., el-Guebaly, N., Hodgins, D., **Smith, G.** & Wood, R. (2011). The role of family, religiosity, and behavior in adolescent gambling. *Journal of Adolescence*, 34, 841-851.

Smith, G. & Rubenstein, D. (2011). Socially responsible and accountable gambling in the public interest. *Journal of Gambling Issues*, 25, 54-67.

Hodgins, D., Schopflocher, D., el-Guebaly, N., Casey, D., **Smith, G.**, Williams, R. & Wood, R. (2010). The association between childhood maltreatment and gambling problems in a community sample of adult men and women. *Psychology of Addictive Behaviors*, 24, 548-554.

Smith, G. (2009). Sports betting in Canada. *International Sports Law Journal*, 1-2, 106-111.

Smith, G. & Campbell, C. (2007). Tensions and contentions: An examination of electronic gaming issues in Canada. *American Behavioral Scientist*, 51(1), 86-101.

Campbell, C. & Smith, G. (2003). Gambling in Canada—from vice to disease to responsibility: a negotiated history. *Canadian Bulletin of Medical History*, 20(1) 121-149.

Robson, E., Edwards, J., **Smith, G.** & Coleman, I. (2002). Gambling decisions: report of a one-year community trial, *Journal of Gambling Studies*. 18(3).

Smith, G. & Paley, R. (2001). Par for the course: a study of gambling on the links and a commentary on physical-skill based gambling formats. *International Gambling Studies*, 1(1), 103-134.

Smith, G. (2000). Alberta VLT skirmishes offer insights and lessons for government, *Report on Problem Gambling*, 1(2).

Campbell, C. & Smith, G. (1998). Canadian gambling: trends and public policy issues, *The Annals of the American Academy of Political and Social Science*, vol. 556, March, pp 22-35.

Smith, G. & Hinch, T. (1996). Canadian casinos as tourist attractions: Chasing the pot of gold. *Journal of Travel Research*, 34(3), 37-45.

Smith, G., Volberg, R., & Wynne, H. (1994). Leisure behavior on the edge: Differences between controlled and uncontrolled gambling practices. *Society & Leisure*, 17(1), 233-248.

Presentations

Smith, G. Problem gambling and bankruptcy. Paper presented to the Annual Review of Insolvency Law conference, Montreal, Feb. 17, 2017.

Smith, G. A critical conversation on responsible gambling and beyond. Paper presented at UNLV conference on Gambling and Risk Taking, Las Vegas, June 8, 2016.

Smith, G. (2016). Responsible gambling review. Paper presented to the 15th annual AGRI conference, Banff, AB. April 10.

Smith, G. (2015). The corrupting influence of gambling on governments, charities and research. Paper presented to the 14th annual AGRI conference, Banff, AB. Mar. 27.

Smith, G. & R. Simpson, (2014). Gambling addiction defence on trial. Paper presented to the Alberta Gaming and Liquor Commission annual stakeholders conference, Leduc, AB. Oct. 21.

Smith, G. & R. Simpson. (2014). Gambling addiction defence on trial. Paper presented at the Canadian Social Sciences and Humanities Conference, Brock University, St. Catherines, ON. May 27.

Smith, G. & D. Schopflocher. (2014) Are electronic gambling machines the most hazardous gambling format? Paper presented at the 13th annual AGRI Conference, Banff, AB. April 3.

Smith, G. (2013), The trials and tribulations of Canadian sports gambling, paper presented at the 14th International Conference on Gambling and Risk Taking, Las Vegas, NV, May 27-31.

Smith, G., Schopflocher, D., el-Guebaly, N., Casey, D., Hodgins, D. & Williams, R. (2013), A longitudinal study of Alberta electronic machine gamblers, paper presented at the 14th International Conference on Gambling and Risk Taking, Las Vegas, NV, May 27-31.

Smith, G. (2013), The role of the expert witness in criminal trials where gambling addiction is a factor, paper presented at the Law on the Edge conference, University of British Columbia Faculty of Law, Vancouver, BC, July 1-4.

Smith, G. (2012). Tangled Web: Investigating Canadian Lottery Scandals. Paper presented to Canadian Sociological Association conference, Waterloo ON: May 29.

Smith, G. (2011). Gambling in Alberta: Past, Present and Future. Paper presented to the University of Alberta's Dept. of Psychiatry "Empathy Conference," Edmonton, Nov. 18.

Smith, G. (2011). Sociological Perspectives on Gambling. Paper presented to American Sociological Association annual meetings, Las Vegas, Aug. 20.

Smith, G. (2011). Gambling Scandals: Why they Happen and How to Correct Them. Paper presented to the 10th annual Alberta Gaming Research Institute conference, Banff, April 8.

Smith, G., Schopflocher, D., el-Guebaly, N., Casey, D., Hodgins, D., Williams, R. & Wood, R. (2010). Albertans Attitudes Toward Legalized Gambling. Paper presented to European Gambling Conference, Vienna, Sept. 18.

Smith, G. & Rubenstein D. (2009). Socially Responsible and Accountable Gambling in the Public Interest. Presented to the 14th conference on Commercial Gaming and Risk Taking, Lake Tahoe, May, 29.

Smith, G. (2006). The Moral Maze of Gambling. Presented to the 13th conference on Commercial Gaming and Risk Taking, Lake Tahoe, May, 25.

Smith G. (2006). Gambling-related Crime in Canada. Presented to the Fourth Alberta Gaming Research Institute Conference, Banff, April, 18.

Smith, G. (2003). Gambling Public Policy Issues. Presented to the Saskatchewan Institute of Public Policy, University of Regina.

Smith, G. (2003). Values, Vision and Virtue in Gambling Public Policy. Keynote address at the 12th International Conference on Gambling, Commercial Gaming and Risk Taking, Vancouver.

Smith, G. & Paley R. (June, 2002). Par for the course: a study of gambling on the links. Presentation at the National Conference on Compulsive Gambling, Dallas, TX.

Smith, G., Wynne, H. & Hartnagel, T. (Nov., 2001). Using police intelligence to assess gambling impacts. Presentation at the Australian National Association for Gambling Studies conference, Sydney, Australia.

Smith, G. & Paley, R. (Nov., 2001) Par for the course: a study of gambling on the links: a commentary on skill versus luck-based gambling formats. Presentation at the Australian National Association for Gambling Studies conference, Sydney Australia.

Smith G. (Sept., 2001). Canadian gambling trends. Presentation at the Northern Alberta conference on Problem Gambling and Native Gambling Issues, High Level, AB.

Smith, G. (Mar., 2001). Gambling on First Nations' lands. Presentation to Alberta Gaming Research Institute, Lethbridge, AB.

Smith, G. (June, 2000). The Alberta VLT standoff. Presentation made at the 13th International Conference on Commercial Gambling and Risk Taking, Las Vegas, NV.

Smith G. & Wynne, H. (June, 2000) Gambling and crime in western Canada: Exploring Myth and Reality. Presentation made at the 13th International Conference on Commercial Gambling and Risk Taking, Las Vegas, NV.

Smith, G. & Wynne, H. (April, 2000). Gambling and crime in western Canada. Presentation made at the Annual Gaming Investigators Conference, Criminal Intelligence Service Canada, Saskatoon, SK.

Smith, G. (August, 1998). Gambling and crime in Canada. Presentation made at the Canadian Association of Police Boards 9th annual conference, Edmonton, AB.

Smith, G., Dibbs, M., & Bruce, D. (July, 1996). Competing interests: An integrated model for addressing problem gambling. A presentation made at the International Conference on Addictions, Amsterdam, Holland.

Smith, G. (1996). Adolescent gambling and problem gambling in Alberta. Presentation made at the International Conference on Addictions, Amsterdam, Holland.

Major Reports

el-Guebaly, N., Casey, D., Currie, S., Hodgins, D., Schopflocher, D., Smith, G. & Williams, R. (2015). The Leisure, Lifestyle, & Lifecycle Project (LLLP): A Longitudinal Study of Gambling in Alberta. Final report prepared for the Alberta Gambling Research Institute, Edmonton, AB.

Smith, G. & Rubenstein, D. (2009). Accountability and Social Responsibility in Ontario's Legal Gambling Regime. Report prepared for Ontario Problem Gambling Research Centre, Guelph, ON.

Campbell, C., Hartnagel, T. & Smith, G. (2005). The Legalization of Gambling in Canada. Report prepared for the Law Commission of Canada, Ottawa, ON.

Smith, G. & Wynne, H. (2004). VLT Gambling in Alberta: A Preliminary Analysis. Report prepared for the Alberta Gaming Research Institute, Edmonton, AB. pp 185.

Smith, G., Wynne, H. & Hartnagel, T. (2003). Examining Police Records to Assess Gambling Impacts: A Study of Gambling-Related Crime in the City of Edmonton. Report prepared for the Alberta Gaming Research Institute, Edmonton, AB. pp 111.

Smith, G. & Wynne, H. (2002). Measuring Gambling and Problem Gambling in Alberta Using the Canadian Problem Gambling Index. Report prepared for the Alberta Gaming Research Institute, Edmonton, AB: pp 88.

Robson, E., Edwards, J., Smith, G. & Coleman I. (2001). Gambling Decisions: Report of the One-Year Community Trial. Report prepared for the Edmonton Capital Health Authority, pp 57.

Smith, G. & Wynne, H. (2000). A Review of the Gambling Literature in the Economic and Policy Domains. Report prepared for the Alberta Gaming Research Institute, pp 208.

Smith, G. & Wynne, H. (1999). Gambling and Crime in Western Canada: Exploring Myth and Reality. Report prepared for the Canada West Foundation, Calgary, AB: pp 128.

Smith, G. & Azmier, J. (1997). *Gambling and the public interest*. Report prepared for the Canada West Foundation, Calgary, AB.

Books

Smith, G., Hodgins, D. & Williams, R. (Eds.), (2007). *Research and Measurement Issues in Gambling Studies*. Burlington, MA: Academic Press.

Book Chapters

Smith, G., Currie, C. & Battle, J. (2011). Exploring gambling impacts in two Alberta Cree communities: A participatory action approach. In Y. Belanger (Ed.). *First Nations Gaming in Canada*. Winnipeg: University of Manitoba Press, 118-139.

Campbell, C., Hartnagel, T. & Smith, G. (2010). The legalization of gambling in Canada. In J. Mosher & J. Brockman (Eds.). *Constructing Crime: Contemporary Processes of Criminalization*. Vancouver: University of British Columbia Press, 57-79.

Campbell, C., Hartnagel, T. & Smith, G. (2009). The legalization of gambling in Canada. In N. Larsen & B. Burtch (Eds.). *Law in Society 3rd Ed.* Toronto, ON: Nelson, 3-30.

Smith, G., Hartnagel, T. & Wynne, H. (2009). Gambling-related crime in a major Canadian city. In J. Cosgrave & T. Klassen (Eds.). *Casino State: Legalized Gambling in Canada.* Toronto, ON: University of Toronto Press, 161-191.

Smith, G. (2004). Examples of social science methodology used in gambling studies. In *Encyclopedia of Social Measurement*, Academic Press, San Diego, CA: In press.

Contributed the sections on gambling in British Columbia, Alberta, Manitoba and Ontario to the book authored by William N. Thompson. (2001). *Gambling in America: An Encyclopedia of History, Issues, and Society.* Santa Barbara, CA: pp 509.

Book Reviews

Hancock, L. (2011). *Regulatory Failure? The Case of Crown Casino.* *Australian Journal of Political Science*, (in press).

Chambers, K. (2010) *Gambling for Profit.* Reviewed for University of Toronto Press.

Morton, S. (2003). *At Odds: Gambling and Canadians, 1919-1969.* University of Toronto Press, Toronto, ON: reviewed for *Canadian Journal of Sociology.*

Doughney, J. (2003). *The Poker Machine State: Dilemmas in Ethics, Economics and Governance.* Common Ground, Altona, Vic: reviewed for *International Gambling Studies.*

Book reviews of 1) *Super Casino: Inside the "New" Las Vegas*, Pete Earley, Bantam Books, 2000; 2) *The Real Las Vegas: Life Beyond the Strip*, David Littlejohn (Ed.), Oxford University Press, 1999; and 3) *24/7: Living it Up and Doubling Down in the New Las Vegas*, Andres Martinez, Villard Books, 1999. In *International Gambling Studies*, 1(1), 190-196.

Peer Review Involvement

Editorial Board member, *International Gambling Studies* (2000—2010)

Reviewed twenty grant proposals for the Ontario Problem Gambling Research Centre since 2001.

Served on the editorial board of the *Journal of Sport and Social Issues* and as a reviewer for *Journal of Gambling Studies*, *Canadian Journal of Sociology*, *Addiction*, *Journal of Business Research*, *The Canadian Geographer*, *American Review of Canadian Studies*, *Canadian Journal of Applied Sport Sciences*, *Sociology of Sport Journal*, *Politics & Policy*, *Police Practice and Research* and *Canadian Public Policy*.

Student Advising

Have served as academic supervisor/committee member for the following gambling-related graduate student theses:

Patterson, B. (1982). *A sociological analysis of the occupational role of bookmaker.* Master of Arts thesis. University of Alberta.

Ocean, G. (1996). *Challenging the stereotype of gamblers: A case study of casino regulars.* PhD dissertation. University of Alberta.

Petriuk, C. (2011). *A Qualitative Study of Seniors Gambling Activity.* MA thesis, University of Alberta Dept. of Sociology.

Suen, V. (2014). *Does Decision-Making During Gambling Involve Primary Roles for the Pre-Frontal Cortex and Anterior Cingulate Cortex*. PhD Dissertation University of Alberta Dept. of Psychiatry.

External examiner for:

Campbell, C. (1994). *Canadian gambling legislation: The social origins of legalization*. PhD dissertation. Simon Fraser University.

vanderMaas, M. (2015). *Problem gambling: The social side of the pathways model*. PhD dissertation, University of Toronto, Sociology Department.

Consulting, Policy Development and Administration

Completed the 60 hour certification course on “*Treatment for Compulsive Gamblers*” offered by the Minnesota Council on Compulsive Gambling and subsequently provided counseling services for problem gamblers. Conducted feasibility studies for new casinos at the Calgary Convention Centre and the Ak Chin Indigenous peoples, located near Phoenix, Arizona.

Played a leadership role with the University of Alberta’s Government Studies Program in establishing the Alberta Gaming Research Institute.

Impacted public policy as research team member that produced a 1994 report for Alberta Lotteries, entitled *Gambling and Problem Gambling in Alberta*.” This report led to a government commitment of \$3 million to the Alberta Alcohol and Drug Abuse Commission for treatment, prevention, and research initiatives to ameliorate problem gambling.

Co-organized six national conferences on gambling topics:

“*Electronic Gambling Issues*,” University of Alberta, Feb., 1998.

“*Gambling, Law Enforcement and Justice System Issues*,” University of Alberta, Mar., 2002.

“*Gambling Research and Public Policy*,” University of Alberta, April, 2005.

“*Gambling in Society a Question of Balance*,” Banff School, April, 2008.

“*Reflecting on the Big Questions in Gambling Studies*,” Banff School, April, 2011.

“*Controversial Topics in Gambling*,” Banff School, April, 2014.

Expert Witness

Served as an expert witness in eight trials (six dealing with crimes committed by problem gamblers, one dealing with tax evasion by alleged professional gamblers, and one dealing with the operation of a large bookmaking ring in Toronto).

Other Recent Administrative Positions

Chairman, University of Alberta Sports Hall of Fame Committee 2010 to present.

Chairman Valleyview Condominium Association 2011 to present.

Honors

Member of University of Alberta Sports Hall of Fame



Protected when completed

Mr. Rhys Stevens

Correspondence language: English

Sex: Male

Date of Birth: 5/27

Canadian Residency Status: Canadian Citizen

Contact Information

The primary information is denoted by (*)

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| | |
|----------|-----------------------|
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|----------|-----------------------|

Website

| | |
|--------------|---|
| Social Media | https://twitter.com/rhysmgstevens?lang=en |
| Social Media | https://scholar.google.ca/citations?user=V1onljMdCiIJ&hl=en |

Language Skills

| Language | Read | Write | Speak | Understand | Peer Review |
|----------|------|-------|-------|------------|-------------|
| English | Yes | Yes | Yes | Yes | Yes |
| French | Yes | No | No | No | No |

Degrees

- 1996/1 - 1997/6 Master's non-Thesis, MLIS, University of Western Ontario
Degree Status: Completed
- 1989/9 - 1995/6 Bachelor's Honours, Geography, University of Western Ontario
Degree Status: Completed

Credentials

- 1997/5 Leadership Development Certificate, University of Alberta

User Profile

Employment

- 2001/4 Librarian III
Library, The University of Lethbridge
Full-time
Tenure Status: Tenure, 2008/4 -
Librarian & Information Specialist for the Alberta Gambling Research Institute; subject liaison librarian for Geography, Geographic Information Systems, Anthropology, Maps & Government Documents, Spatial & Numeric Data. University of Lethbridge Library's DLI (Data Liberation Initiative) representative. Member of the Library Research Services Team and Library Assessment Team. Responsible for University Archives & Special Collections (2017-18).

- 1998/1 - 2001/4 Database Administrator; Intranet Librarian
Information Services,
Full-time
Provided customer focused Oracle database support for application developers and database users on UNIX and NT development platforms; Supported backup and recovery of production and development databases; Completed Oracle SQL/PLSQL, Database Administrator, Backup & Recovery certification; Prepared and developed orientation sessions for incoming co-operative education university students; Planned and developed the Corporate Intranet, created corporate publishing guidelines, programmed the Intranet search engine, instructed Intranet developers on logical structuring of information for quick and easy access/searching; Created corporate acronym glossary, interactive pages using Active Server Pages, web graphics, technology reports/presentations/business plans, and developed pathfinders.
- 1997/1 - 1997/4 Internet Content Developer - Consumer Affairs
Office of Consumer Affairs,
Full-time
Worked as part of a team of information specialists developing a portal designed to provide an integrated information service for and about consumers in both English and French.
- 1996/5 - 1996/8 Internet Content Developer - E-Conferencing
Full-time
Designed and updated WWW pages for the department using HTML editors and Lotus Notes groupware.

Research Funding History

Awarded [n=1]

- 2012/1
Collaborator
Development and Validation of a Gambling Participation Instrument, Contract
Project Description: Development and Validation of a Gambling Participation Instrument;
My role: Researched and authored a 14-page report for the grant holders entitled "Optimal Strategies for Obtaining Accurate Retrospective Self-Reports of Alcohol Consumption, Tobacco Use & Illicit Drug Use" (2013, January).
Research Uptake: N/A. Project still in progress. Anticipated to include a final report.
Research Settings: Canada
Areas of Research: Community Health / Public Health
Research Uptake Stakeholders: Government Personnel, Policy Maker/Regulator
Fields of Application: Public Health
Funding Sources:
Total Funding - 150,000
Portion of Funding Received - 4,000 (Canadian dollar)
Funding Renewable?: No
Funding Competitive?: Yes
Principal Investigator : Rachel Volberg; Robert Williams

Completed [n=4]

- 2011/1 - 2012/12
Collaborator
Social and Economic Impact of Gambling (SEIG), Contract
Clinical Research Project?: No
Project Description: Systematic identification of the basic principles for conducting socioeconomic impact studies that can ensure that the obtained results are

comprehensive, provide a meaningful accounting of the social impacts of gambling, and are scientifically rigorous.

Research Uptake: Final report & executive summary reports created; publications made available via Institutional Repository and from the funding agency web site.

Research Uptake Stakeholders: Academic Personnel, Government Personnel

Funding Sources:

(Canadian dollar) (Canadian dollar)

Co-investigator : Jürgen Rehm;

Principal Investigator : Robert Williams

2010/1 - 2012/12
Collaborator

The Population Prevalence of Problem Gambling: Utility, Best Practices, Current Rates, and Future Trends, Grant

Clinical Research Project?: No

Project Description: The primary purpose of the present research was to standardize problem gambling prevalence rates so as to facilitate comparisons between jurisdictions as well as within the same jurisdiction over time.

Research Uptake: Final report (English); research summary (English/French); inclusion in Institutional Repository.

Research Uptake Stakeholders: Academic Personnel, Healthcare Personnel

Funding Sources:

Ontario Problem Gambling Research Centre

Total Funding - 35,000 (Canadian dollar)

Funding Reference Number: 3163

Principal Investigator : Rachel Volberg; Robert Williams

2010/1 - 2010/12
Co-applicant

Literature Review: Progression of Women's Gambling Behaviors into the Realm of Problem Gambling, Grant

Clinical Research Project?: No

Project Description: This literature review will be dissemination into resources for women problem gamblers, practitioners, researchers, and training facilities in order to positively impact the women who are problem gamblers through treatment practices.

Research Uptake: Conference presentations/posters; Organization of a pre-Conference workshop on women's problem gambling in Banff, Alberta in conjunction with the Annual Alberta Conference on Gambling Research sponsored by the Alberta Gambling Research Institute.

Research Uptake Stakeholders: Academic Personnel, Healthcare Personnel

Funding Sources:

2010/1 - 2010/12 Total Funding - 10,000 (Canadian dollar)

Funding Competitive?: Yes

Funding Reference Number: S20

Co-investigator : Noella Piquette

2004/1 - 2004/12
Collaborator

Socio-Economic Impacts Associated with the Introduction of Casino Gambling: A Literature Review and Synthesis, Contract

Clinical Research Project?: No

Project Description: To comprehensively identify and synthesize the literature examining the socio-economic impacts associated with the introduction of casino-style gambling.

Research Uptake: Final report; also posted to Institutional Repository.

Research Uptake Stakeholders: Policy Maker/Regulator

Student/Postdoctoral Supervision

Bachelor's [n=1]

2009/1 - 2009/5 Jolene James (Completed) , University of Lethbridge
 Principal Supervisor Thesis/Project Title: Library Science Applied Study: Nicholas de Grandmaison
 Project Description: Digitization of archival materials related to Canadian artist Nicholas de Grandmaison.

Journal Review Activities

2015/1 - 2017/10 ACMLA Awards Committee Member, Bulletin of the Association of Canadian Map Libraries and Archives (ACMLA)

Conference Review Activities

2017/4 - 2017/4 Research Poster Judge, Just Gambling? Ethical Challenges Pertaining to Gambling Provision, Policy and Research [2017], Open, Alberta Gambling Research Institute

2016/4 - 2016/4 Research Poster Judge, Understanding Gambling: Mechanisms and Predictors [2016], Open, Alberta Gambling Research Institute

2015/3 - 2015/3 Research Poster Judge, Critical Issues in Gambling Research [2015], Open, Alberta Gambling Research Institute

2014/4 - 2014/4 Research Poster Judge, Controversial Topics in Gambling [2014], Open, Alberta Gambling Research Institute

2013/4 - 2013/4 Research Poster Judge, Research to Practice in Gambling Disorders [2013], Open, Alberta Gambling Research Institute
 Number of Works Reviewed / Refereed: 30

2012/4 - 2012/4 Research Poster Judge, The Causes of Problem Gambling [2012], Open, Alberta Gambling Research Institute
 Number of Works Reviewed / Refereed: 30

2011/4 - 2011/4 Research Poster Judge, Engaging the Big Questions in Gambling Studies [2011], Open, Alberta Gambling Research Institute
 Number of Works Reviewed / Refereed: 30

Promotion Tenure Assessment Activities

2017/6 - 2017/8 STP Appeal Committee Member, The University of Lethbridge
 Number of Assessments: 2
 Review Salary, Tenure, Promotion cases that have been appealed. Involves ensuring that processes outlined in the Faculty Handbook has been applied correctly.

2015/1 - 2016/12 Library STP Committee Member, The University of Lethbridge

Knowledge and Technology Translation

2001/4 - 2017/10 Newsletter Writer / Editor, Community Engagement
 Group/Organization/Business Serviced: Alberta Gambling Research Institute
 Target Stakeholder: General Public
 Outcome / Deliverable: Increase knowledge of gambling research to the public of Alberta.
 Evidence of Uptake/Impact: Tracking of Downloads; informal communications with
 Government of Alberta stakeholders (e.g., Alberta Gaming & Liquor Commission).
 References / Citations / Web Sites: <http://www.abgamblinginstitute.ca/newsletter>
 Activity Description: Quarterly newsletter providing information about gambling research
 related to the activities of the Alberta Gambling Research Institute.

Presentations

1. (2015). Data Services @ the University of Lethbridge. ACCOLEDS Meeting, University of Calgary, Calgary, Main Audience: Researcher
 Invited?: Yes, Keynote?: No, Competitive?: No
2. (2012). State of Digital Preservation @ COPPUL Libraries. Digitization and Digital Preservation: Strategies for COPPUL Libraries, Calgary, Canada
 Invited?: Yes, Keynote?: No, Competitive?: No
3. Piquette, N., & Stevens, R.(2012). Trying to Understand the Female Problem Gambler: Issues and Mediating Factors. Alberta Gaming Research Institute Conference 2012: The Causes of Problem Gambling, Banff, Canada
 Main Audience: Researcher
 Invited?: Yes, Keynote?: No, Competitive?: Yes
 Description / Contribution Value: Role = Co-principal investigator on grant; training of graduate students; collection & analysis of relevant resources.
4. Piquette, N., Stevens, R., Burgess, E., & Thompson, B.(2011). Women's problem gambling [Research Poster]. Alberta Gaming Research Institute Conference 2011, Banff, Canada
 Main Audience: Researcher, Competitive?: Yes
 Description / Contribution Value: Role = Co-principal investigator on grant; training of graduate students; collection & analysis of relevant resources.
5. (2010). Strategies for Locating Gambling Research. Alberta Gaming Research Institute Pre-Conference Symposium on Women's Problem Gambling, Banff, Canada
 Main Audience: Researcher
 Invited?: Yes, Keynote?: No
6. (2008). Digitization of the Lethbridge Historical Society Newsletter. Lethbridge Historical Society Invited Presentation, Galt Museum & Archives, Lethbridge, AB., Lethbridge, Canada
 Main Audience: General Public
 Invited?: Yes

Publications

Book Chapters

1. Williams, R. J., Stevens, R. M. G., & Nixon, G.(2011). Gambling and problem gambling in North American aboriginal peoples. Belanger, Y.First Nation Gaming in Canada. : 166-194.
 Published, University of Manitoba Press, Winnipeg, Canada
 Number of Contributors: 3
 Description / Contribution Value: Collection & analysis of relevant resources, editing, some writing.

Book Reviews

1. The Human Atlas of Europe: A Continent United in Diversity. Association of Canadian Map Libraries and Archives Bulletin. (2017).
Accepted, Canada
Review Year: 2017
The Human Atlas of Europe: A Continent United in Diversity.
Refereed?: No
Contribution Percentage: 91-100
2. Atlas of Design, Volume Three. Association of Canadian Map Libraries and Archives Bulletin. (2017). Published, Canada
Review Year: 2017
Atlas of Design, Volume Three. (3)
Refereed?: No
Contribution Percentage: 91-100
Description of Contribution Role: Book Review

Reports

1. Co-Author. Williams, R. J., Volberg, R. A., Stevens, R. M. G., Williams, L. A., & Arthur, J. N.(2017). The definition, dimensionalization, and assessment of gambling participation.
Number of Contributors: 5
Contribution Percentage: 11-20
Description of Contribution Role: Authored section on assessment instruments used in the field of addictions. Including strengths and weaknesses, etc.
2. Stevens, R. M. G.(2012). COPPUL Digitization initiatives and practices: Survey results.
Description / Contribution Value: Report prepared in collaboration with the Digital Curation Group - Council of Prairie and Pacific University Libraries (COPPUL).
3. Stevens, R. M. G.(2012). COPPUL Digitization initiatives and practices: Summary of survey results. 34.
Description / Contribution Value: Report prepared in collaboration with the Digital Curation Group - Council of Prairie and Pacific University Libraries (COPPUL).
4. Co-Author. Williams, R. J., Rehm, J., & Stevens, R. M. G.(2012). The Social and Economic Impacts of Gambling. Final Report prepared for the Canadian Consortium for Gambling Research. 284.
Number of Contributors: 3
Description / Contribution Value: There are many basic principles for conducting socioeconomic impact studies that can ensure that the obtained results are comprehensive, provide a meaningful accounting of the social impacts of gambling, and are scientifically rigorous. These principles are outlined in the first section of this paper.
5. Co-Author. Williams, R. J., Volberg, R. A., & Stevens, R. M. G.(2012). The population prevalence of problem gambling: Methodological influences, standardized rates, jurisdictional differences, and worldwide trends. Guelph, ON: and the Ontario Ministry of Health and Long Term Care.273.
Synthesis?: Yes
Number of Contributors: 3
Description / Contribution Value: Role = Collection & analysis of relevant resources; editing.

Online Resources

1. Archaeology -- Near Eastern and Egyptian LibGuide. (2017).
2. Archaeology -- Great Plains Region. (2017).
3. Speculation & Financial Risk-Taking LibGuide. (2017).

- [4.](#) Archaeology -- North America. (2017).
- [5.](#) Environmental Science LibGuide. (2017).
- [6.](#) Legal Resources LibGuide. (2016).
- [7.](#) Archaeology LibGuide. (2016).
- [8.](#) Anthropology LibGuide. (2016).
- [9.](#) Web Tools -- Scholarly Research LibGuide. (2015).
- [10.](#) Numeric Data & Statistics. (2015).
- [11.](#) GIS & Spatial Data LibGuide. (2015).
- [12.](#) Government Information LibGuide. (2015).
- [13.](#) Geography LibGuide. (2015).
- [14.](#) Stevens, R. M. G.Kinesiology LibGuide. (2013).
Number of Contributors: 1
Description / Contribution Value: Guide intended to provide guidance for students researching topics related to Kinesiology and Exercise Science.
- [15.](#) Stevens, R. M. G.Gambling LibGuide. (2012). Number of Contributors: 1
Description / Contribution Value: Library resources related to gambling and problem gambling.
- [16.](#) Stevens, R. M. G.Newspapers LibGuide. (2012). Number of Contributors: 1
Description / Contribution Value: Guide intended to be used by University of Lethbridge students and faculty to locate newspapers and newspaper articles.
- [17.](#) First Listed Author. Stevens, R. M. G.Gambling & Problem Gambling Prevalence Studies: Canada, United States, Australia & International. (2012).
Number of Contributors: 1
Description / Contribution Value: Comprehensive guide to all known national, provincial and state-level gambling prevalence studies. Includes obtaining permission, digitization and archiving of the majority of report-based studies.

Conference Publications

- [1.](#) (2017). Southern Alberta Newspaper Collection. Southern Alberta Library Conference, Lethbridge, ,
Poster
Contribution Percentage: 91-100
- [2.](#) (2017). Genealogy Resources @ the Library. Lethbridge Genealogical Society Conference, Lethbridge,
, Conference Date: 2017/6
Poster
Refereed?: No, Invited?: Yes
Contribution Percentage: 91-100
- [3.](#) Rhys Stevens, Bryson Duda, Maxine Tedesco. (2014). Access to Spatial Datasets Using CONTENTdm.
CONTENTdm Users Group Meeting (University of South Carolina), Columbia, United States,
Poster
Refereed?: No
Contribution Percentage: 91-100