

# **Centre international d'étude sur le jeu et les comportements à risque chez les jeunes**

## **The International Centre for Youth Gambling Problems and High-Risk Behaviors**

The following progress report covers the Centre's activities for the period November 2005 to October, 2009.

### **RESEARCH AND CLINICAL TEAM**

The research and clinical team included Dr. Jeffrey Derevensky (Co-Project Director), Dr. Rina Gupta (Co-Project Director), Dr. Isabelle Martin (Prevention Specialist), Carmen Messerlian, M.Sc. (Director of Programs and Communications, Head of Public Health initiatives), Dr. Alissa Sklar (Senior Researcher and Communications Specialist), Dr. Tayna Bergevin (Clinical Researcher), Dr. Lana Pratt (Clinical Researcher), Serge Chevalier, M.A. (on leave from the Institute Nationale Santé Publique), Dr. Stephen Ellenbogen (statistician), Dr., Dr. Juin-Hau Huang (Post-Doctoral student from Harvard University), Dr. Nathan Will Shead (Post-Doctoral student - University of Calgary), Dr. Neda Faregh (Post-Doctoral student - Carleton University), Dr. Cintia Quiroga (Post-Doctoral student - Université de Montreal), Amy Taylor, B.A. (Research coordinator), Jean-Claude Moubarac, M.A. (Researcher), Chantale Ste-Marie (M.A./Ph.D. student), Jennifer Felsher (M.A./Ph.D. student), Harjit Aulakh (Ph.D. student), Isabelle Lussier (M.A./Ph.D. student), Meredith Gillespie (M.A./Ph.D. student), Renee St-Pierre (M.A./Ph.D. student), Colin Campbell (M.A. student), Jessica McBride (M.A./Ph.D. student), Sara Benmergui (M.A. student), Sandra Mansour (M.A. student), and a number of research assistants. Lei Chen heads our Technical Support and Web Development. Arlene Doheny is the Centre's Administrative Assistant.

Consultations and collaborative efforts have continued with Dr. Frank Vitaro (Université de Montreal), Dr. Richard Tremblay (Université de Montreal), Dr. Michel Laroche (Concordia University), Dr. Durand Jacobs (Loma Linda University), Dr. Harold Wynne (Wynne Resources), Dr. Howard Shaffer (Harvard University), Dr. Ken Winters (University of Minnesota), Dr. Randy Stinchfield (University of Minnesota), Dr. Ron Frisch (University of Windsor), Dr. Jon Kelly (Responsible Gambling Council, Ontario), Dr. Mark Griffiths (Nottingham Trent University, UK), Dr. Richard Woods (GamResearch), Dr. Carlo DiClemente (University of Maryland), Dr. Nigel Turner & Robert Murray (Centre for Addictions and Mental Health), Keith Whyte (Executive Director, National Council on Problem Gambling, Washington, DC), Dr. Mark Potenza (Yale University), Dr. Alain Dagher (Montreal Neurological Institute), Dr. Andrew Dane (Brock University), Dr. Richard LaBrie (Harvard University), Dr. Steven Schenke (Columbia University), Dr. Carlos Blanco (Columbia University), Dr. Alex Blaszczynski (University of Sydney), Dr. Lia Nower (Rutgers University), Dr. Max Abbott (Auckland University of Technology), Pieter Remmer (Assisi, Netherlands), Dr. Peter Collins (University of Salford; University of Cape Town), Dr. Lori Rugle (Government of Connecticut), Dr. David Korn (University of Toronto), Dr. Shyamala Nada-Raja (University of Otago, New Zealand), Dr. Philip Frankel (Wits University, South Africa), Dr. Munidasa Winslow (NIH; Singapore), Dr. Michel Wohl (Carleton University), Dr. Hermano Tavares (Brazil), Dr. Alan Jackson (University of Melbourne), Dr. Linda Pagani (Université de Montreal), Dr. Nerilee Hing (Southern Cross University), Dr. Tim Fong and Dr. Richard Rosenthal (UCLA), Dr. Bo Bernhard (University of Nevada-Las Vegas), Dr. Jonathan Parke (University of Salford, U.K.), Dr. Dan Thor Olason (University of Iceland), Dr. Colin

Campbell (Douglas College), Dr. Serge Sevigny (Laval Université), Dr. Katherine Gill (McGill University), Dr. Silvia Martins (John Hopkins University), Dr. Rachel Volberg (Gemini Research), Dr. Nancy Ross (McGill University), Dr. Steve Maitland (Guelph University), Dr. Katherine Gill (McGill University), Dr. Andrew Dane (Brock University), Dr. Nancy Heath (McGill University), Dr. Sarah Nelson (Harvard Medical School), Dr. Belle Gavriel-Fried (Tel Aviv University) and Eric Meerkamper (Decode).

Expanded work and collaborative initiatives with colleagues from Europe, North America, South America, Africa, Asia, and the Far East continue.

This summary represents the Centre's gambling projects, several of which were funded directly by grants from FQRSC, Régie Régionale de la Santé; Social Sciences and Humanities Research Council of Canada; Ministry of Public Safety (Quebec) and Justice Canada; Social Sciences and Humanities Research Council of Canada; Ontario Problem Gambling Research Center; National Center for Responsible Gaming; Fondation Mise sur toi; the Nova Scotia Gaming Corporation; and the Max Bell Foundation.

## OVERVIEW

Research studies during this period were conducted in the U.S., Canada, Asia, Europe, Australia, New Zealand, Singapore, Iceland and South America. The Centre continued to focus its work on the collection of new data, the coding and analyses of previously collected data, presentations of clinical and research findings, preparation and publication of manuscripts, the development and distribution of prevention materials for schools, the enhancement of our revised website ([www.youthgambling.org/www.jeuhezlesjeunes.com](http://www.youthgambling.org/www.jeuhezlesjeunes.com)), national and international presentations, and legislative, clinical and community consultations and training. As well, the Centre has hosted multiple international visitors from the U.S., Canada, U.K., Netherlands, Iceland, Norway, and Australia. The Centre continued the distribution of posters, brochures, its CD ROM (The Amazing Chateau and Hooked City), its Docudrama DVD (Clean Break), its new game (Know Limits/Dés Joués), and other relevant material to Montreal primary and secondary schools (English & French). The Centre, in collaboration with Mise sur toi, helped develop a bilingual brochure for school-age youth. This material is also currently being used in the United States, Canada, Europe, Scandinavia, Australia, New Zealand and Asia. Centre staff provided a significant increase in the number of in-service workshops for teachers, parents and children, clinicians, treatment and health providers, researchers, industry representatives, and government consultations. Our treatment program for adolescent gamblers, through McGill's Department of Educational and Counselling Psychology Psycho-Education Clinic, has continued to meet community needs while at the same time we have responded to the request by the Ministry of Health and Social Services to increase our clinical outreach and training of treatment providers. An innovative web-based interactive help line and pilot project, funded by the Max Bell Foundation, was completed to help youth with gambling and gambling-related problems. Consultations with the Ministry of Health in British Columbia to establish a similar program have begun. The clinical and research team has provided numerous local, national and international media consultations including participation on FQRSC's scientific advisory committee for its recently held symposium, and has been actively engaged in participating in seminars locally, nationally, and internationally.

Of particular note is the Centre's increasing responsibility of using empirically-based data in supporting the training of treatment providers and the development of prevention programs. The Centre remains extremely active in consulting with legislators and its development of responsible social and harm minimization policies. Drs. Derevensky and Gupta testified before a Canadian

Senate commission studying gambling, and Dr. Derevensky testified before the House of Commons committee in the U.K. concerning their proposed new gambling legislature. Drs. Derevensky and Gupta were requested to write a brief for that committee and the recommendations were integrated into the proposed revisions of gaming policy in the U.K. Dr. Gupta was invited to make a presentation before this committee concerning proposed research and met with governmental representatives and regulators in Zambia at the request of Lord Macintosh, Minister of Gaming (U.K.), and the Director of the Responsible Gambling Program in South Africa. Dr. Derevensky was also commissioned to write a brief to the U.S. federal committee studying Internet gambling. Legislative representatives from several U.S. states, Congress, and Canadian provinces have sought expertise and advice from the Centre's staff.

The Centre remains active in consulting with legislators and in developing responsible social policies. To this end Drs. Derevensky and Gupta were invited to Sweden, U.S., U.K., Hong Kong, Norway, Brazil, Slovenia, Italy, South Korea, Singapore and other jurisdictions in Canada to discuss their work. Dr. Derevensky remains a member of the International Advisory Board, Ministry of Health, Singapore. A number of legislative briefs have been provided to multiple government agencies nationally and internationally.

The Centre continues to take a leadership position in the coordination of a growing number of gambling centers throughout the world and is coordinating a Task Force with colleagues in North and South America.

The Centre's work continues to be performed in six primary domains; Research, Training, Prevention, Treatment, Information Dissemination and Service/Consultation. The following provides a summary of our work over the five year period. During the period of the FQRSC grant the Centre held other research grants totaling approximately \$2 million, had 53 peer reviewed and book chapter publications (published and in press), 15 research reports, made 90 professional presentations at national and international conferences, consulted with various School Boards, made in excess of 100 student workshops, and produced a variety of award-winning prevention tools.

## **RESEARCH**

### **FUNDING**

Several initiatives have been undertaken with funding from a variety of sources that cut across all the Centre's domains. Multiple research grants during this period were attained, with several having been attained prior to the start of the infrastructure support but continuing during the past four years. These include the following:

- Derevensky, J., & Gupta, R. Source credibility in the development of a campaign for the prevention of youth problem gambling and high risk behaviors: A review of our current knowledge. Ontario Problem Gambling Research Centre, 2009. \$10,000.
- Derevensky, J., & Gupta, R. Availability of gaming: An examination of the literature concerning the social costs and impact. Fondation Mise Sur Toi, 2007-2008. \$54,000.
- Derevensky, J., Sklar, A., & Gupta, R. Youth gambling problems media toolkit series. Nova Scotia Gaming Corporation, 2007-2009. \$246,900.
- Gupta, R., & Derevensky, J. Évaluation de l'impact d'un programme de traitement des problèmes de jeu offert à la population adolescente québécoise. Fonds de recherche sur la société et la culture, Ministry of Health and Social Services, Québec, 2007-2009. \$106,000.
- Sklar, A. & Derevensky, J. Selling the game: A teen-focused analysis of gambling advertisements. Social Sciences & Humanities Research Council of Canada. 2007-2009 \$36,653.

- Afilalo, J., Derevensky, J., Gupta, R., Essebag, V., & Eisenberg, M. Acute cardiovascular effects of gambling in patients with stable angina: A pilot study. Ontario Problem Gambling Research Centre, 2007-2008. \$10,000.
- Maitland, S., Wiebe, J., Adlaf, E., Arnett, J., Davey, A., & Derevensky, J. Developmental transitions and the impact of gambling in adolescence and emerging adulthood. Ontario Problem Gambling Research Centre, 2007-2008. \$174,156.
- Gupta, R., Derevensky, J., Pratt, L., & Nower, L. Binging behaviour in youth: An exploratory study of gambling and alcohol use. Ontario Problem Gambling Research Centre, 2006-2008 \$202,500.
- Derevensky, J., & Gupta, R. Youth and adolescent high-risk behaviours. Max Bell Foundation, 2006-2007. \$13,500.
- Gupta, R., Derevensky, J., Nower, L. & Blaszczynski, A. Problem gambling in adolescents: An examination of the pathways model. Ontario Problem Gambling Research Centre, 2006-2007. \$185,300.
- Martin, I., Gupta, R., & Derevensky, J., & Gupta, R. Jeu pathologique et criminalité: The development of a docudrama DVD/video to raise awareness amongst youth about problem gambling. Ministry of Justice, Government of Canada and Ministry of Public Security (Quebec), 2006-2007, \$60,000.
- Derevensky, J., & Gupta, R. Helping youth with gambling problems through online interventions. Max Bell Foundation, 2005-2007. \$144,400.
- Martin, I., Gupta, R., & Derevensky, J. Attitude et comportements entourant la vente de produits de loterie (Attitudes and behaviors of the sale of lottery products to youth). Fonds de recherche sur la société et la culture, Ministry of Health and Social Services, Québec, 2005-2007. \$150,000 (2005-2006 \$75,000; 2006-2007 \$75,000).
- Derevensky, J. Laroche, M., & Gupta, R. Les effets de la publicité sur les attitudes et les comportements de jeu (The effects of gambling advertisements on child and adolescent gambling attitudes and behaviors). Fonds de recherche sur la société et la culture, Ministry of Health and Social Services, Québec, 2004-2006 \$145,500 (2004-2005 \$72,000; 2005-2006 \$55,125; 2006-2007 \$18,375).
- Gill, K. J., & Derevensky, J. Les impacts sociaux et psychologiques des jeux de hasard parmi les Cries du Québec (The social and psychological impact of gambling among Crees in Quebec). Fonds de recherche sur la société et la culture, Ministry of Health and Social Services, Québec 2004-2006 \$150,000 (2004-2005 \$75,000; 2005-2006 \$75,000).
- Bergevin, T., Derevensky, J., Gupta, R., & Vallerand, R. Le jeu problématique chez les adolescents : évaluation de l'impact des résultats anticipés (perceptions des risques et des bénéfices). (Youth problem gambling: An evaluation of perceived risks and benefits). Fonds de recherche sur la société et la culture, Ministry of Health and Social Services, Québec 2004-2007, 116,000 (2004-2005 \$58,000; 2005-2006 \$43,500; 2006-2007 \$14,500).
- Pagani, L. Derevensky, J. L., Côté, S., & Japel, C. What are the sources of parental influence on gambling and related high-risk activities in children from the poorest neighborhoods in Montreal? Social Sciences and Humanities Research Council of Canada, 2004-2007 \$95,000 (\$50,000 2004-2005; \$30,000 2005-2006; \$15,000 2006-2007).
- Dane, A., Lawrence, K-A., Derevensky, J., McPhee, J., & Root, L. Preventing youth problem gambling and high-risk behavior: A longitudinal study of parenting as a protective factor. Ontario Problem Gambling Research Centre, 2004-2007. \$360,000 (\$120,000 2004-2005; \$120,000 2005-2006; \$120,000 2006-2007).

## MAJOR RESEACH PROJECTS

It is important to note that most projects included senior staff, post-doctoral, doctoral and master's level students along with the Centre's research assistants. The principal investigators are noted above. The results of many of these projects have been published, are in press, or are in preparation for peer-reviewed journals. They have also formed both Masters' and Doctoral students' dissertations. Many of our graduate students have been recipients of international awards for excellence. The data derived from these projects have also formed the basis for many chapters written in multiple books (see the publication section), have provided information used in the development of prevention materials, and have provided invaluable knowledge used for governmental consultations and the development of strategic research programs and initiatives in multiple jurisdictions. The following represents the projects either initiated or in progress during the FQRSC granting period:

- In conjunction with Dr. R. Phil (Psychology Department, McGill University), an expert on alcohol disorders, our collaborative project to identify similarities in physiological, cognitive, affective and social functioning between excessive alcohol consumption and problem gambling behaviour was completed. Drs. Gupta and Derevensky along with several graduate students from Dr. Pihl's laboratory worked on this project. 2004-2006.
- A series of studies utilizing neuroimaging in an attempt to examine neurological functioning was completed. Special software for these studies was developed. Study I was exploratory and focused on examining what underlying biological factors might differentiate pathological gamblers from their non-gambling counterparts. Specifically, differences in neurocircuitry and brain structures involved in the mesolimbic dopamine reward processing system will be explored. In Study II, factors inherent in gambling activities were explored to examine differential brain activity in the reward processing system between pathological gamblers and controls. Specifically, the impact of factors such as the anticipation and the predictability of financial rewards and penalties will be explored, along with factors such as levels of risk, deliberation while wagering at different risk levels, and delayed rewards or penalties. In Study III, psychological characteristics are compared and contrasted between pathological gamblers and controls including sensation-seeking, novelty-seeking, reward dependence, and harm avoidance, along with anxious and depressive mood states and cognitive beliefs of control. This study was conducted in collaboration with Dr. Alain Dagher, Montreal Neurological Institute from a grant from the Institute for Addictions, Harvard Medical School. Harjit Aulakh, a doctoral student, used this data for her dissertation. 2004-2009.
- Drs. Rina Gupta and Munidasa Winslow (Singapore) completed a survey of Singaporean youth to assess their involvement in multiple high-risk behaviors including gambling. As well, the associated attitudes and beliefs structures pertaining to these behaviors were assessed. This has led to the implementation of several of the Centre's prevention programs being used in Singapore. 2005-2006.
- A study empirically examining the importance of childhood maltreatment as a potential risk factor in the development of problem gambling among young adults was completed using 1324 CEGEP students. The results provide a greater understanding of the factors placing young adults at heightened risk for involvement with gambling problems and provide valuable clinical information. Drs. Derevensky, Gupta and doctoral student Jennifer Felsher completed this project. The data was used for Jennifer Felsher's doctoral dissertation. 2005-2006.

- A study examining resilience, coping strategies, cultural differences and youth gambling behaviors was completed with 1200 High School and CEGEP students. A second study incorporating low-income youth, thought to be less resilient was completed. Drs. Derevensky and Gupta along with Isabelle Lussier completed this project funded by the Ontario Problem Gambling Research Centre. This data was used for Isabelle Lussier's doctoral dissertation. 2006-2009.
- A large study, incorporating over 2635 youth (secondary school, CEGEP, and university students), sought to determine the prevalence of Internet gambling, development correlates, and to identify the structural characteristics that make it appealing. A follow-up study examining playing behaviours of online gamblers was completed. Drs. Derevensky and Gupta along with their graduate student, Jessica McBride, completed these projects. Data was used for Jessica McBride's M.A. 2006-2008.
- A project and research study examining high-risk youth through the development of prevention material was completed; *Clean Break/Les jeux sont faits* (a docudrama with instructor's manual) was released and won the Gold Medal in a major international competition for educational videos. This product was released in both English and French, and a board game was similarly developed (*Know Limits/Dés Joués*). These materials were developed collaboratively with several juvenile youth centers, a substance abuse treatment center, and a special school that serves students with severe behaviour problems with the goal toward reducing gambling-related crimes in youth. This initiative was funded through the Government of Canada's National Crime Prevention Strategy, in collaboration with the Ministère de la sécurité publique de Québec. 2005-2007.
- A study examining the importance of perceived benefits and risks associated with problem gambling was completed. Focus groups were conducted; a questionnaire similar to that used in alcohol research was developed and administered to approximately 1047 secondary school and CEGEP students. Additional data collection was collected using 1,357 college students in different jurisdictions throughout Canada. These studies, supported by research grants from the Ontario Problem Gambling Research Centre formed the M.A. thesis of Meredith Gillespie. The CEGEP data is currently being analyzed for her doctoral dissertation. 2006-present.
- There has been considerable concern over the impact of advertising on the initiation, maintenance and escalation of gambling behaviours. Funded by a grant from FRSQ, Drs. Derevensky, Laroche (Molson School of Business, Concordia), and Gupta examined the effects of gambling advertising on adolescents and young adults. Two phases were initiated with Phase I being focus group testing and Phase II the development and administration of a questionnaire to 1,147 secondary school students and young adults. Data derived from this project was used for Sanda Mansour's M.A. thesis. 2006-2008.
- A study concerning binge gambling behaviour in collaboration with Dr. Lia Nower (Rutgers University) was initiated with a grant from the Ontario Problem Gambling Research Center. Focus groups were conducted among high school and CEGEP students as well as a group of adolescents at the Portage rehabilitation center. Phase I was recently completed while Phase II is currently underway. Focus groups on bingeing behaviour among adolescents facilitated the development of a questionnaire that was administered to approximately 1,700 students to validate the construct of binge gambling. 2007-present.

- Funded by the Ontario Problem Gambling Research Center concerning the applicability of the Pathways Model to adolescent gambling, 1,133 students from four major secondary schools participated. Phase I of this project, in collaboration with Dr. Lia Nower (Rutgers University) and Dr. Alex Blaszczynski (University of Sydney), was completed. Preliminary evidence partially supporting the Pathways Model was found. Phase II is currently underway. 2007-present.
- Drs. Gupta and Martin, in collaboration with colleagues from Centre Jean Lapointe, with a grant from FQRSC have been collecting data on the incidence of problem gambling amongst substance abusing adolescents.
- Drs. Martin, Gupta and Derevensky along with their graduate student, Renee St-Pierre, completed a study examining retailer's compliance of gambling statutes in a FRSQ funded project. This project examined individual characteristics of purchasers (gender) and vendors (age, gender, ethnicity and type of store) in attempting to better understand compliance to existing statutes requiring identification for the purchase of lottery tickets as well as alcohol. This data formed Renee St-Pierre's M.A. thesis and was used by Loto-Quebec as well as other jurisdictions for the training of retailers. 2007-2009.
- The Centre, in collaboration with the Institut de la statistique du Québec, participated in the assessment of the gambling component of Québec's biannual high school survey on tobacco, alcohol, drug and gambling. Drs. Martin, Gupta and Derevensky formulated the gambling questions, directed analyses and were responsible for the chapter focused on gambling. 2007-2009.
- The Centre was involved in the analysis for the Cree mental health survey from Statistics Canada with respect to gambling behaviours and gambling problems in the Cree community of James Bay. The survey studied individuals aged 12 and above and was funded by a follow-up research grant awarded to Drs. Gill and Derevensky. 2006-2008.
- Epidemiology of gambling, sports wagering, and other health risk behaviors among U.S. college student-athletes, using national survey data from the 2003 National Collegiate Athletic Association (NCAA) study and the newly collected 2007-2008 US national study of 20,000 college athletes was analyzed. This project was headed by Drs Derevensky and Paskus (NCAA Research) and funded by the NCAA. The results formed the basis for the initiation of an enhanced gambling prevention program for U.S. college athletes. 2003-present.
- The Centre's pilot project funded by the Max Bell Foundation, *Talk It Out*, an online help chat service, that began in the Fall of 2006 came to a close in the summer of 2007. The aim of this project was to provide an online service to teens concerning gambling problems across Canada from 8 p.m. to midnight, seven days a week. Several Master's and Doctoral students received intensive instruction in working with youth problem gamblers and successfully helped carry this project out. Supported by the results of this project the Government of British Columbia is now anticipating putting a similar service in place for adults. Dr. Derevensky has been asked to be a consultant to this project. 2006-2008.
- Questionnaires evaluating the Centre's award-winning docudrama *Clean Break/Les jeux sont faits* were administered in both French and English to 469 high school students in Montreal and surrounding areas using a pre-post test design. This data is currently being analyzed. 2006-present.

- A national parental attitude toward youth gambling was recently completed with over 3,000 parents across Canada examining their attitudes toward youth gambling and other risky behaviors. This project headed by Dr. Derevensky and Eric Meerkamper (Decode) was funded by the British Columbia Lottery Corporation, Saskatchewan Health, Ontario Problem Gambling Research Center, Mise sur toi, Nova Scotia Gaming Corporation and Atlantic Lottery. Colin Campbell, a Master's student, used this data for his thesis. The data was also used in a national recent press release to make parents aware of the issues concerning youth problem gambling and will be used in a national educational campaign currently being planned. 2008-2009.
- Drs. Gupta and Derevensky headed a team examining the prevalence rates and correlates of gambling behavior among college students in Florida. Funded by the Florida Council on Problem Gambling data was collected throughout the state of Florida. Strategies for informing college personnel along with students are currently under development based upon data from this project. 2008.
- Journal reviews have been done for the following journals: Criminal Justice and Behavior, CyberPsychology & Behavior, Journal of Adolescent Research, Journal of Addictive Behaviors, Journal of Clinical Psychology, Journal of Gambling Studies, Journal of Gambling Issues, Psychology of Addictive Behaviors, Substance Use and Misuse, Addictions, Adolescence, Journal of Gambling Issues, International Gambling Studies, Journal of Health Research, Experimental and Clinical Psychopharmacology, Psychological Reports, Adolescence, Psychological Review, Psychiatry Research, Canadian Journal of Psychiatry, The Canadian Geographer, and American Journal of Orthopsychiatry Review. 2005-present.
- Drs. Gupta and Derevensky have provided research reviews for the Canadian Institutes for Health Research, Social Sciences Humanities Research Council, Ontario Problem Gambling Research Center, Alberta Gambling Research Institute, Hong Kong Social Science Research Center, Singapore's Ministry of Health, Research, Health Research Council of New Zealand, Nova Scotia Health Research Foundation, Netherlands Organization for Health Research and Development, National Institute of Health (Washington, DC), National Institute of Mental Health (Washington, DC), Center for Addictions and Mental Health (Toronto), State of Iowa (Dept. of Health, Division of Health Promotion, Prevention and Addictive Behaviors), and the Alberta Heritage Foundation for Medical Research. 2005-present.
- The Centre performed a comprehensive review of literature, synthesis and analysis concerning the role of celebrity credibility in advertising of public service announcements. This was funded by the Ontario Problem Gambling Research Center. 2007-2009.
- Drs. Sklar and Derevensky completed an analysis of gambling advertisements aimed at young adults with assistance from SSHRC funding. Specific recommendations have been made to lottery corporations. 2007-2009.
- Drs. Gupta, Derevensky and Sklar have been responsible for the development of two media tool kits (*Youth gambling problems: Practical information for Health Professionals*; and *Youth gambling problems: Practical information for Professionals in the Criminal Justice System*) aimed at increasing awareness of youth gambling problems for professionals (medical personnel and those in the legal justice system). With funding from the Nova Scotia Gaming Corporation, these two kits will be distributed throughout Nova Scotia to physicians, attorneys, judges and policy makers, These products will be released in 2010. 2008-present.



- Based upon data previously collected the Centre has developed and produced four, 30 second public service announcements (PSAs) targeting parents. Two PSAs are focused upon adolescent and young adult Internet wagering while the other two are focused upon poker playing. The Ministry of Health, Prince Edward Island, recently began running these PSAs. The Centre is currently writing a script focused upon sports wagering. A wider distribution plan has been developed. 2008-present.

## PUBLICATIONS

### In Press

- Derevensky, J., Shek, D., & Merrick, J. (in press). Youth gambling. *International Journal of Adolescent Medicine and Health*.
- Shead, N.W., Walsh, K., Taylor, A., Derevensky, J., & Gupta, R. (in press). Youth gambling prevention: Can celebrity-endorsed public service announcements be effective? *International Journal of Mental Health and Addiction*.
- Shead, N.W., Derevensky, J., Gupta, R., & Fong, T. (in press). Characteristics of Internet gamblers among a sample of students at a large, public University in southwestern United States. *Journal of College Student Development*.
- Pagani, L., Derevensky, J., & Japel, C. (in press). Does early childhood emotional distress predict later gambling behaviour? *Canadian Journal of Psychiatry*.
- Brezing, C., Derevensky, J., & Potenza, M. (in press). Non-substance addictive behaviors in youth: Pathological gambling and problematic Internet use. *Child and Adolescent Psychiatric Clinics of North America*.
- Shead, N.W., Derevensky, J., & Gupta, R. (in press). Risk and protective factors associated with youth problem gambling. *International Journal of Adolescent Medicine and Health*.
- Sklar, A., Gupta, R., & Derevensky, J. (in press). Binge gambling behaviors reported by youth in a residential drug treatment setting: A qualitative investigation. *International Journal of Adolescent Medicine and Health*.
- Derevensky, J., Sklar, A., Gupta, R., & Messerlian, C. (in press). An empirical study examining the impact of gambling advertisements on adolescent gambling attitudes and behaviors. *International Journal of Mental Health and Addiction*.
- Felsher, J., Derevensky, J., & Gupta, R. (in press). Young adults with gambling problems: The impact of childhood maltreatment. *International Journal of Mental Health & Addiction*.
- Huang, J-H., Jacobs, D., & Derevensky, J. (in press). Sexual risk-taking behaviors among youth problem gamblers: Empirical results from a national college athlete survey. *Archives of Sexual Behavior*.
- Magoon, M., Gupta, R., & Derevensky, J. (in press). Gambling among youth in detention centers. *Journal for Juvenile Justice and Detention Services*.
- Derevensky, J., Gupta, R., & Csiernik, R. (in press). Problem gambling: Current knowledge and clinical perspectives. In R. Csiernik & W. Rowe (Eds.), *Responding to the oppression of addiction: Canadian social work perspectives, Second edition*. Toronto: Canadian Scholars' Press.

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- Faregh, N. & Leth-Steensen, C. (2009). Reflections on the voluntary self-exclusion of gamblers and the law-suits against the Ontario Lottery and Gaming Corporation. *Journal of Gambling Studies*, 25, 131-138.
- Martin, I., Gupta, R., & Derevensky, J. (2009). Participation aux jeux de hasard et d'argent. In G. Dubé, (Ed.), *Enquête québécoise sur le tabagisme chez les élèves du secondaire*, 2008. Québec: Institut de la statistique du Québec. Les Publications du Québec, Gouvernement du Québec, 149-181.

- Derevensky, J. (2009). Preface. In G. Meyer, T. Hayer & M. Griffiths (Eds), *Problem gambling in Europe – Challenges, prevention and interventions*. New York: Springer Books, xv-xviii.
- Derevensky, J. (2009). Youth gambling: A Canadian perspective. In J. F. Cosgrave T. R. Klassen (Eds.), *Casino state: Legalized gambling in Canada*. Toronto: University of Toronto Press, 192-220.
- McBride, J., & Derevensky, J. (2009). Internet gambling behaviour in a sample of online gamblers. *International Journal of Mental Health and Addiction*, 7, 149-167.
- Gavriel-Fried, B., & Derevensky, J. (2009). The gestation and birth of the law prohibiting the sale of lottery tickets to Israeli minors (Amendment to the Penal Code): Some social policy issues. *International Gambling Studies*, 135-150.
- Pagani, L., Derevensky, J., & Japel, C. (2009). Predicting gambling behavior in sixth grade from kindergarten impulsivity: A tale of developmental continuity. *Archives of Pediatric and Adolescent Medicine*, 163(3), 238-243.

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- Derevensky, J. (2008). Gambling behaviors and adolescent substance abuse disorders. In Y. Kaminer & O. G. Buckstein (Eds.), *Adolescent substance abuse: Psychiatric comorbidity and high risk behaviors*. New York: Haworth Press, 403-433.
- Derevensky, J. (2008). Gambling. In W. A. Darity (Ed.), *International encyclopedia of the social sciences, Vol. 3, 2nd edition*. Detroit: Macmillan Reference USA, 248-250.
- Derevensky, J., Dickson, L., Gupta, R., & Hardoon, K. (2008). Adolescent attitudes toward gambling. *Brazilian Journal of Cognitive Psychology*, 4, 17-28.
- Dickson, L., Derevensky, J., & Gupta, R. (2008). Youth gambling problems: An examination of risk and protective factors. *International Gambling Studies*, 8(1), 25-47.
- Ellenbogen, S., Jacobs, D., Derevensky, J., Gupta, R., & Paskus, T. (2008). Gambling behaviour among college athletes. *Journal of Applied Sports Psychology*, 20, 349-362.
- Gupta, R., & Derevensky, J. (2008). A treatment approach for adolescents with gambling problems. In M. Zangeneh, A. Blaszczyński & N. Turner (Eds.), *In the pursuit of winning: Problem gambling theory, research and treatment*. New York: Springer Books, 271-290.
- Gupta, R., & Derevensky, J. (2008). Gambling practices among youth: Etiology, prevention and treatment. In C. A. Essau (Ed.), *Adolescent addiction: Epidemiology, assessment and treatment*. London, UK: Elsevier, 207-230.
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## RESEARCH REPORTS

### 2009

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- Gill, K., Torrie, J., & Derevensky, J. (2009). *Les impacts sociaux et psychologiques des jeux de hasard parmi les Cries du Québec. (The social and psychological impact of gambling in the Cree communities of Northern Quebec)*. Report prepared for the Fonds de recherche en santé du Québec (FRSQ), Québec, 37 pp.
- Shead, W., Walsh, K., Taylor, A., Derevensky, J. & Gupta, R. (2009). *Source Credibility in the Development of Youth Problem Gambling and High-Risk Behaviors: A Review of Our Current Knowledge*. Report prepared for the Ontario Problem Gambling Research Center, Ontario, 58 pp.
- Gupta, R., Derevensky, J., Shead, N.W., & Nower, L. (2009). *Bingeing Behavior in Youth: An Exploratory Study of Gambling Participation*. Report prepared for the Ontario Problem Gambling Research Center, Ontario, 49 pp.
- Martin, I., Gupta, R. & Derevensky, J. (2009). *Le respect des lois limitant la vente de produits interdits aux mineurs : les revendeurs sont-ils plus disposés à demander une preuve d'âge lors de la vente des boissons alcoolisées ou lors de la vente de produits de loterie? (Retailer compliance with youth access regulatory policies: Are clerks more inclined to request age identification for the sale of alcohol versus lottery tickets?)*. Report prepared for the Fonds de recherche en santé du Québec (FRSQ), Québec, 80 pp.
- Gupta, R., Nower, L., Derevensky, J., & Blaszczyński, A. (2009). *Problem Gambling in Adolescents: An Examination of the Pathways Model*. Report prepared for the Ontario Problem Gambling Research Center, Ontario, 75 pp.

## 2008

- Derevensky, J. (2008). *BETSTOPPER Internet gambling blocking software: An adolescent perspective*. Report prepared for the Nova Scotia Gaming Corporation, 19 pp.
- Griffiths, M., Parke, J., & Derevensky, J. (2008). *Electronic Gambling Machines in the Netherlands*. Report prepared for VAN Speelautomaten Branche-Organisatie, Netherlands, 20 pp.
- Gupta, R., & Derevensky, J. (2008). *Gambling behaviors of Florida college students*. Report prepared for the Florida Council on Compulsive Gambling. Florida, 51 pp.
- Monaghan, S., & Derevensky, J. (2008). *A critical review of the Internet gambling literature: Some policy recommendations*. Report prepared for the Nova Scotia Gaming Corporation, 88 pp.

## 2007

- Derevensky, J., Sklar, A., Gupta, R., Messerlian, C., Laroche, M., & Mansour, S. (2007). *The effects of gambling advertisements on child and adolescent gambling attitudes and behaviors (Les effets de la publicité sur les attitudes et les comportements de jeu des enfants et des adolescents)*. Fonds de recherche en sante du Québec (FRSQ), Québec, 68 pp.

## 2006

- Derevensky, J., Gillespie, M., Ellenbogen, S., Messerlian, C., & Gupta, R. (2006). *Adolescent Problem Gambling: Evaluating the Role of Outcome Expectancies and Passion*. Report prepared for the Fonds de recherche en santé du Québec (FRSQ), Québec, 52 pp.
- Martin, I. (2006). *La participation des jeunes québécois aux jeux d'argent : portrait de la situation. L'écho-TOXICO*, Bulletin des programmes d'études en toxicomanie de l'Université de Sherbrooke, vol. 16, no. 1.
- Ross, N., Gilliland, J., Wilson, D., Derevensky, J., Gupta, R., Olson, S., & Haase, I. (2006). *La loterie vidéo dans les quartiers de Montréal : Une approche géomantique. (Opportunities for video lottery terminal gambling in Montreal: A geometric approach)*. Report prepared for the Fonds de recherche en santé du Québec (FRSQ), Québec, 42 pp.

## OTHER PUBLICATIONS

- Derevensky, J. (2008). Simple solutions to complex phenomena - not in the cards. A commentary on Gambling: Sometimes unseemly; not what it seems. *Analysis of Gambling Behavior*, 2, 87-88.
- Derevensky, J. (2008). Adolescent gambling: Is Internet gambling a problem? *Casino & Gaming International*, 99-102.
- Derevensky, J. (2007). Teen gambling: Should we be concerned? *Mental Health Notes*, Fall, 10-11.

## MANUSCRIPTS UNDER REVIEW FOR PUBLICATION

- Sklar, A., Taylor, A., Derevensky, J., & Rothstein, A. Designing an effective model for Aboriginal youth gambling prevention in remote communities.
- Derevensky, J., Gupta, R., Messerlain, C., & Mansour, S. The impact of gambling advertisements on child and adolescent gambling attitudes and behaviors: A qualitative analysis.
- Moubarac, J-C., Gavriel-Fried, B., & Derevensky, J. Internet, online gambling and women: An old game in a new space.
- Jardin, B., & Derevensky, J. Electronic gaming machines and harm minimization strategies: Do they work?

- Huang, J-H., Jacobs, D., Derevensky, J., & Gupta, R. Gambling and alcohol use patterns among a national sample of U.S. college student-athletes.
- McBride, J., & Derevensky, J. Internet gambling among college students.
- Olason, D.T., Kristjansdottir, E., Einarsdottir, H., Bjarnarson, G., & Derevensky, J. Internet gambling and problem gambling among 13 to 18 year old adolescents in Iceland.
- Olason, D.T., Baldursdottir, K., Gretarsson, S.J., Daviosdottir, A.R., Sigurjonsdottir, A.M., & Derevensky, J. Gambling and problem gambling among Icelandic youth: A closer look at Internet gambling and students' attitudes towards risks of gambling problems.
- St-Pierre, R., Derevensky, J., Gupta, R. & Martin, I. Preventing lottery ticket sales to minors: factors influencing retailers' compliance behaviour.
- Campbell, C., Derevensky, J., Meerkamper, E. & Cutajar, J. Parents' perceptions of adolescent gambling: A Canadian national study.

## CONFERENCE PRESENTATIONS

### 2009

- Derevensky, J. (2009). Prevention: What works with kids? Address presented at the 4<sup>th</sup> Annual Conference on Problem Gambling in Colorado, Denver, October.
- Derevensky, J. (2009). Internet gambling: The tip of the iceberg. Address presented at the 4<sup>th</sup> Annual Conference on Problem Gambling in Colorado, Denver, October.
- Derevensky, J. (2009). Sports wagering among college athletes: Results from a national study. Address presented at the 4<sup>th</sup> Annual Conference on Problem Gambling in Colorado, Denver, October.
- Derevensky, J. (2009). Recent developments in the prevention of gambling problems: An international perspective. Paper presented at the Social Responsibility of Problem Gambling and Strategies for Recovery in Korea International Conference, Seoul, September.
- Derevensky, J. (2009). Prevalence of gambling among youth: A commentary. Paper presented at the Quebec Symposium on Gambling and Addictions, Montreal, September.
- Derevensky, J. (2009). Corporate social responsibility and responsible gambling: A youth perspective. Paper presented at the European Think Tank on Corporate Social Responsibility and Responsible Gambling, A Think Tank organized by G4, Haarlem, The Netherlands, August.
- Derevensky, J. (2009). Youth problem gambling: Past, present and future trends. Invited keynote address presented at the Second National Conference on Problem Gambling, Singapore, August.
- Derevensky, J. (2009). Recent developments in the prevention of youth gambling problems. Invited address presented at the Second National Conference on Problem Gambling, Singapore, August.
- Derevensky, J. (2009). Adolescents' and young adults' perceived risks and benefits of gambling: How important is this an issue in the prevention of gambling problems? Invited address presented at the Second National Conference on Problem Gambling, Singapore, August.
- Derevensky, J. (2009). Problem gambling in adolescents: Results from a recent examination of the *Pathways Model*.. Invited address presented at the Second National Conference on Problem Gambling, Singapore, August.
- Derevensky, J. (2009). Parental attitudes toward youth gambling and adolescent risky behaviors: The results from a recent Canadian national study. Invited address presented at the Second National Conference on Problem Gambling, Singapore, August.
- Derevensky, J. (2009). Internet gambling among youth: Cause for concern. Invited address presented at the Second National Conference on Problem Gambling, Singapore, August.

- Derevensky, J. (2009). Internet gambling among youth: Another (unsupervised) venue... more problems? Paper presented at the Nova Scotia Responsible Gambling Conference, Halifax, October.
- St-Pierre, R., Martin, I., & Derevensky, J. (2009). Preventing lottery ticket sales to minors: Factors influencing retailers' compliance behaviour. Paper presented at the Nova Scotia Responsible Gambling Conference, Halifax, October.
- Shead, N.W., Derevensky, J., Fong, T. & Gupta, R. (2009). Characteristics of Internet gambling among a sample of college students. Poster presented at the Quebec Symposium on Gambling and Addictions, Montreal, September.
- Campbell, C., Derevensky, J., Meerkamper, E., & Cutajar, J. (2009). Quebec parents' attitudes and perceptions of their child's gambling. Poster presented at the Quebec Symposium on Gambling and Addictions, Montreal, September.
- Derevensky, J. (2009). Wave 4 –the rapid expansion of worldwide gambling: New research initiatives and strategies for the future. Keynote address presented at the National Council on Problem Gambling annual conference, Indianapolis, June
- Derevensky, J., Paskus, T., Newman-Baker, R., & Petr, T. (2009). Gambling among college athletes: A national study. Paper presented at the National Council on Problem Gambling annual conference, Indianapolis, June
- Derevensky, J., Campbell, C., Meerkamper, E., & Cutajar, J. (2009). Parental attitudes toward youth gambling: Results from a national Canadian study. Paper presented at the National Council on Problem Gambling annual conference, Indianapolis, June
- Campbell, C., Derevensky, J., Meerkamper, E., & Cutajar, J. (2009). Parents' perception of adolescent gambling behaviour. Poster presented at the Canadian Psychological Association annual conference, Montreal, June.
- McBride, J., & Derevensky, J. (2009). Internet gambling among college students. Poster presented at the Canadian Psychological Association annual conference, Montreal, June.
- Gupta, R. & Derevensky, J. (2009). Understanding co-morbidity in youth: The intimate relationship between substance abuse dependency and gambling. Paper presented at the 14<sup>th</sup> International Conference on Gambling and Risk-Taking, Lake Tahoe, May.
- Derevensky, J. (2009). Youth gambling: Our current knowledge. Invited address presented at the Second International Symposium on Pathological Gambling and Other Impulse Control Disorders - Adolescence, Family & Society. Sponsored by the National Association on Pathological Gambling and Other Impulse Control Disorders (ANJOTI, Brazil), Sao Paulo, Brazil, May.
- Derevensky, J. (2009). Youth gambling: The lure of the Internet. Invited address presented at the Second International Symposium on Pathological Gambling and Other Impulse Control Disorders - Adolescence, Family & Society. Sponsored by the National Association on Pathological Gambling and Other Impulse Control Disorders (ANJOTI, Brazil), Sao Paulo, Brazil, May.
- Derevensky, J. (2009). Preventing youth gambling and risk related behaviors: Lessons learned. Invited address presented at the Second International Symposium on Pathological Gambling and Other Impulse Control Disorders - Adolescence, Family & Society. Sponsored by the National Association on Pathological Gambling and Other Impulse Control Disorders (ANJOTI, Brazil), Sao Paulo, Brazil, May.
- Derevensky, J. (2009). What can we look forward to in research over the next five years: Research in an ever changing industry. Invited paper presented at the Discovery 2009 conference on problem gambling, Responsible Gambling Council (Ontario), Niagara Falls, April.
- Derevensky, J., McBride, J., & Gupta, R. (2009). Internet gambling among youth: Lessons learned. Invited address presented at the Alberta Gaming Research Institute annual meeting. Banff, Alberta, March.

## 2008

- McBride, J., & Derevensky, J. (2008). College students Internet wagering: Cause for concern? Invited paper presented at the Discovery 2008 conference on problem gambling. Sponsored by the Responsible Gambling Council (Ontario), Ottawa, April.
- Derevensky, J., & Gupta, R. (2008). Youth gambling and problem gambling: Lessons learned. Invited keynote address presented at the 10th Louisiana Council on Problem Gambling conference, Shreveport, LA, November.
- Derevensky, J., & Gupta, R. (2008). Treating and preventing youth problem gambling: A difficult task. Invited keynote address presented at the 10th Louisiana Council on Problem Gambling conference, Shreveport, LA, November.
- Meerkamper, E., Cutajar, J., & Derevensky, J. (2008). Parents as partners: Unveiling new national research on parental attitudes and behaviours toward youth gambling. Paper presented at the Nova Scotia Responsible Gambling Conference, Halifax, October.
- Derevensky, J. (2008). Youth gambling: What the industry needs to know. Paper to be presented at the Nova Scotia Responsible Gambling Conference, Halifax, October.
- Derevensky, J. (2008). Responsible gambling: Implications from youth Internet gambling Studies. Invited address presented at the Interactive Gaming Council Next Generation in Gambling conference, Montreal, July.
- Derevensky, J. (2008). Youth Gambling and Problem Gambling. Invited address presented at the 7th European Association for the Study of Gambling conference, Nova Gorica, Slovenia, July.
- Derevensky, J. (2008). Everyone's a winner! Youth perceptions of gambling advertisements. Paper presented at the 7th European Association for the Study of Gambling conference, Nova Gorica, Slovenia, July.
- Derevensky, J. (2008). Youth Gambling? Invited keynote address presented at the North American Regulators Association annual meeting, New Orleans, June.
- Derevensky, J. (2008). Youth gambling on the Internet: Cause for concern! Invited paper presented at the North American Regulators Association annual meeting, New Orleans, June.
- Derevensky, J., & Gupta, R. (2008). The effects of gambling advertisements on adolescent behaviors. Paper presented at the National Council on Problem Gambling annual conference, Long Beach, CA, June.
- Derevensky, J. (2008). Prevention of gambling problems: Is this really necessary? Paper presented at the National Council on Problem Gambling annual conference, Long Beach, CA, June.
- Gupta, R., Derevensky, J., Nower, L., & Blaszczynski, A. (2008). Problem gambling in adolescents: A preliminary examination of the Pathways Model. Paper presented at the National Council on Problem Gambling annual conference, Long Beach, CA, June.
- McBride, J. & Derevensky, J. (2008). Internet gambling among college students. Invited paper presented at the National Council on Problem Gambling annual conference, Long Beach, CA, June.
- Derevensky, J. (2008). Risk and protective factors associated with youth gambling problems: Some recent research findings. Invited paper presented at the Massachusetts Council on Compulsive Gambling annual conference, Boston, May.
- Derevensky, J. (2008). Risk and protective factors associated with youth gambling problems: Some recent research findings. Invited paper presented at the Massachusetts Council on Compulsive Gambling annual conference, Boston, May.
- Derevensky, J. (2008). Youth gambling, Issues, concerns, and responsibilities: An industry perspective. Address presented at the World Lottery Association Academy seminar on responsible gambling, Lac-Leamy, Gatineau, Quebec, April.



- Derevensky, J. & Sklar, A. (2008). Winning never looked so easy: Understanding the influence of gambling advertisement on youth gambling behaviors. Invited paper presented at the Discovery 2008 conference on problem gambling, Responsible Gambling Council (Ontario), Ottawa, April.
- McBride, J. & Derevensky, J. (2008). College students Internet wagering: Cause for concern? Invited paper presented at the Discovery 2008 conference on problem gambling. Sponsored by the Responsible Gambling Council (Ontario), Ottawa, April.
- McBride, J., & Derevensky, J. (2008). Gambling among University students. Paper presented at the Education Graduate Students Conference, McGill University, March.
- Moubarac, J-C. (2008). Ethnicité et jeu problématique: mieux comprendre l'influence des facteurs sociaux et culturels. Centre d'études ethniques des universités montréalaises. Montréal, Mars.
- Monaghan, S., Derevensky, J., & Sklar, A. (2008). Why go to school when I can win the lottery? The impact of gambling advertisements on youth. Paper presented at the International Gambling Conference, Auckland, New Zealand, February.

## **2007**

- Derevensky, J. (2007). Youth gambling: Should we be concerned? Invited keynote address presented at the annual British Columbia Responsible Gambling Forum, Kelowna, British Columbia, November.
- Derevensky, J. (2007). Treating youth with gambling problems: From research to practice. Invited address presented at the New York Council on Problem Gambling annual conference, Hauppauge, New York, November.
- Derevensky, J. (2007). Youth prevention strategies. Paper presented at the Nova Scotia Responsible Gambling Conference, Halifax, October
- Derevensky, J. (2007). Youth Internet gambling: Some problems and possible solutions. Invited address presented at the Inaugural International Responsible Gaming Organization conference, Stockholm, Sweden, October.
- Derevensky, J., Sklar, A., & Taylor, A. (2007). Pathological gambling: Impulse control disorder or addiction? Paper presented at the Canadian Society of Addiction Medicine's 19th annual scientific conference, Ottawa, October.
- Sklar, A., Derevensky, J., & Taylor, A. (2007). High risk youth and marketing of gambling: Lessons learned from the regulation of advertising for alcohol and tobacco. Paper presented at the Canadian Society of Addiction Medicine's 19th annual scientific conference, Ottawa, October.
- Derevensky, J. (2007). Worldwide trends in youth problem gambling. Invited keynote address presented at the Inaugural National Conference on Problem Gambling, Singapore, July.
- Derevensky, J. (2007). Designing a research based prevention program for youth gambling problems. Invited paper presented at the Inaugural National Conference on Problem Gambling, Singapore, July.
- Derevensky, J. (2007). Research based prevention strategies for youth: What works? What doesn't work? Invited paper presented at the Inaugural National Conference on Problem Gambling, Singapore, July.
- Derevensky, J. (2007). Identification and treatment strategies for youth with gambling problems. Invited paper presented at the Inaugural National Conference on Problem Gambling, Singapore, July.
- Derevensky, J., & Gupta, R. (2007). Preventing youth gambling problems: An examination of some new initiatives. Paper presented at the National Council on Problem Gambling annual conference, Kansas City, June.

- Gillespie, M., Derevensky, J. & Gupta, R. (2007). The utility of outcome expectancies in the prediction of adolescent high-risk behaviors: Findings from drug, alcohol and gambling research. Poster presented at the Canadian Psychological Association annual conference, Ottawa, June.
- McBride, J., Derevensky, J., & Gupta, R. (2007). Youth gambling and the Internet: A preliminary examination. Poster presented at the National Council on Problem Gambling annual conference, Kansas City, June.
- Derevensky, J. (2007). Life in the fast lane - The link between problem gambling and instant gratification. Invited address presented at the Florida Council on Compulsive Gambling 13<sup>th</sup> annual conference, Lake Buena Vista, Florida, May.
- Derevensky, J. (2007). Strategic planning: A youth perspective. Round Table discussion presented at the Florida Council on Compulsive Gambling 13<sup>th</sup> annual conference, Lake Buena Vista, Florida, May.
- Derevensky, J. (2007). Youth gambling: Are prevention initiatives really necessary? Invited address presented at the West Coast Regional Conference on Problem Gambling in collaboration with the University of Washington's Center for the Study of Health and Risk Behaviors (CSHRB), Seattle, April.
- Ste-Marie, C., Gupta, R., & Derevensky, J. (2007). Anxiety and adolescent gambling behavior. Poster presented at the Third National Anxiety Disorders Association of Canada/Association Canadienne des Troubles Anxieux Conference, Montreal, April.
- Derevensky, J. (2007). Youth gambling: Is this a problem? Invited address presented at the 4<sup>th</sup> Responsible Gambling Academy, Vienna, Austria, March.
- Derevensky, J. (2007). College student gambling and its impact. Invited address presented at the HealthyCampus Communities: Looking to the Future Prevention conference, sponsored by the New York State Office of Alcoholism and Substance Abuse Services, Albany, March.
- Derevensky, J. (2007). Youth gambling: Critical issues and some cause for concern. Invited keynote address presented at the First Arizona Responsible Gambling annual symposium, Phoenix, Arizona, March.
- Derevensky, J. (2007). Treatment issues: Working with youth with gambling problems. Invited address presented at the First Arizona Responsible Gambling annual symposium, Phoenix, Arizona, March.
- Ellenbogen, S., Derevensky, J., & Gupta, R. (2007). Youth gambling problems: Should we be concerned? Paper presented at the International meeting: Social Work 2007 conference, Parma, Italy, March.

## **2006**

- Derevensky, J. (2006). Gambling problems in children and adolescents. Invited address presented at the 10<sup>th</sup> NEFESH International network of orthodox mental health professionals annual conference. Lawrence, New York, December.
- Derevensky, J. (2006). Youth problem gambling: Past, present and future challenges. Invited keynote address presented at the National Association for Gambling Studies annual conference. Sydney, Australia, November.
- Derevensky, J. (2006). Electronic gaming machines: A Canadian perspective. Invited address presented at the symposium: Gambling and Problem Gambling in Norway: Lessons from National and International Research. Oslo, Norway, October.
- Derevensky, J. (2006). What we know about youth problem gambling: Myths, realities, and public policy challenges. Invited keynote address presented at the Vermont Conference on Addictive Disorders annual conference, Fairlee, Vermont, October.

- Derevensky, J., Gupta, R., & McBride, J. (2006). Internet gambling among youth: A cause for concern. Invited paper presented at the Global Remote and E-Gambling Research Institute Conference, Amsterdam, Netherlands, August.
- Derevensky, J. (2006). What we know about youth problem gambling after two decades of research: Myths, realities, and future public policy challenges. Invited keynote address presented at the National Council on Problem Gambling annual conference. St. Paul, Minnesota, June.
- Dane, A., McPhee, J., & Derevensky, J. (2006). Parenting style and youth gambling: The moderating effect of temperament. Paper presented at the 13<sup>th</sup> International Conference on Gambling and Risk-Taking, Lake Tahoe, May.
- Derevensky, J., Gupta, R., Martin, I., & Ellenbogen, S. (2006). Cultural differences in gambling behaviors among adolescents. Paper presented at the 13<sup>th</sup> International Conference on Gambling and Risk-Taking, Lake Tahoe, May 2006.
- Derevensky, J., Gupta, R., Messerlian, C. (2006). Can social marketing approach to youth gambling work? Paper presented at the 13<sup>th</sup> International Conference on Gambling and Risk-Taking, Lake Tahoe, May 2006.
- Gupta, R., Derevensky, J., Pratt, L., & Nower, L. (2006). Gambling binges among youth: A qualitative study. Paper presented at the 13<sup>th</sup> International Conference on Gambling and Risk-Taking, Lake Tahoe, May 2006.
- Gupta, R., Derevensky, J., Pratt, L., & Nower, L. (2006). Gambling binges amongst youth: A qualitative study. Paper presented at the 13<sup>th</sup> International Conference on Gambling and Risk-Taking, Lake Tahoe, May.
- Martin, I. (2006). La prévention du jeu excessif chez les jeunes : des outils adaptés aux besoins des clientèles. Address presented within Les problèmes de jeu chez les jeunes à risque. Colloque organised within the 74<sup>e</sup> congrès annuel de l'Acfas, Montréal, Québec, May.
- Messerlian, C., & Derevensky, J. (2006). Current research and policy issues in youth gambling. Invited address presented at the Justice Institute of British Columbia, Vancouver, May.
- Derevensky, J., Ste-Marie, C., & Gupta, R. (2006). Parenting styles and family environment: Influences on youth problem gambling. Invited paper presented at the Responsible Gambling Council (Ontario) annual conference, Toronto, Ontario, April.
- Martin, I. (2006). Comment prévenir le jeu excessif chez les jeunes. Invited address presented at the Agence de la santé et des services sociaux du Saguenay-Lac-St-Jean's first regional colloque, Jonquière, Québec, April.
- Martin, I. (2006). Et pourquoi les jeunes seraient-ils à risque? Invited address presented at the Agence de la santé et des services sociaux du Saguenay-Lac-St-Jean's first regional colloque, Jonquière, Québec, April.
- Martin, I. & Pratt, L. (2006) Prévenir le jeu excessif chez les jeunes: problématique, évaluation, traitement et outils de prévention primaire et secondaire. Invited address presented for the Sherbrooke University's continuous training program, in collaboration with the Association des intervenants en toxicomanie du Québec, Longueuil, Québec, April.
- McBride, J., Derevensky, J., & Gupta, R. (2006). Internet gambling among youth: A preliminary examination. Paper presented at the Responsible Gambling Council (Ontario) annual conference, Toronto, Ontario, April.
- Messerlian, C., Derevensky, J., & Gupta, R. (2006). A social marketing approach to youth gambling: An adolescent perspective. Paper presented at the Responsible Gambling Council (Ontario) annual conference, Toronto, Ontario, April.

## **GAMBLING-RELATED PROFESSIONAL COMMITTEES**

Scientific Advisory for FQRSC Symposium, 2008-2009.

Research Committee, National Council on Problem Gambling, Washington, D.C.

Columbia University, CSAP (Center for Substance Abuse Prevention) and NREPP (National Repository for Effective Prevention Programs), Washington, D.C.

Member, Board of Directors, G4, Global Gambling Guidance Group, Amsterdam

Member, Canadian National Centre for Gambling Studies, University of Alberta

Member, Centre Québécois d'Excellence pour le Traitement et la prévention du jeu

Member, Committee on Research Awards, National Council on Problem Gambling (U.S.)

Member, Graduate Student Award Committee, Ontario Problem Gambling Research Center

Member, Groupe de Recherche sur l'adaptation psychosociale chez l'enfant (GRIP), Université de Montréal

Member, International Advisory Team, Department of Social Work, Hong Kong University

Member, International Associate, Centre for the Study of the Social Impact of Gambling, University of Plymouth, England

Member, International Responsible Gaming Organization (IRGO), (U.K.)

Member, National Collegiate Athletic Association Task Force, Indianapolis

Member, National Council on Problem Gambling Awards Committee (Subcommittee on Research Awards)

Member, National Network on Gambling Issues and Research, Canadian Centre on Substance Abuse

Member, National Responsible Gaming Program, South African Gambling National Trust

Member, Program Accreditation Board, Canadian Psychological Association

Member, Program Advisory Board, Division on Addictions, Cambridge Hospital

Member, Program Advisory Board, Institute for Research on Pathological Gambling and Related Disorders, Division on Addictions, Harvard Medical School

Member, Program Committee for the 22nd National Conference on Problem Gambling (U.S.)

Member, Quebec Conference Task Force, Ministry of health and Social Services

Member, Scientific Advisory Board, Institute for Research on Gambling Disorders, National Center for Responsible Gaming

## **PREVENTION INITIATIVES**

- Drs. Martin, Sklar, Gupta, and Derevensky developed a sensitization quiz game, Know Limits (English)/Des Joués (French), designed for high school students and high risk adolescents. The game was successfully tested with adolescents in a variety of settings (regular high school classes, special classes, and substance abuse treatment centers, both in French and English). 2007-2008.
- Dr. Derevensky remains a member of the NREPP (National Repository of Effective Prevention Programs, Washington, D.C.) for gambling. 2000-present.
- Dr. Derevensky is a member of the work group on prevention and treatment programs for problem gambling; Center for Mental Health Services (CMHS), Substance Abuse and Mental Health Services Administration (SAMHSA), Center for Substance Abuse Prevention (CSAP), and the Center for Substance Abuse Treatment (CSAT) (Washington, D.C.). 2000-present.
- Drs. Gupta and Derevensky consulted with the Government of Singapore with regard to research and prevention initiatives. 2006-present.

- Dr. Derevensky remains a consultant to the Massachusetts Council on Problem Gambling. 2008-present.
- During the 2005-2009 school years, conferences and workshops were given to numerous high school and adult education students, from both public and private institutions. Centre staff also met with youth in youth treatment centres (Maisons de jeunes) and were invited to present multiple conferences to CEGEP students. During these school years, over 50 English and 135 French workshops were presented.
- Dr. Martin was an invited speaker in local and national conferences on adolescent gambling and risk behavior: Chicoutimi (AQGE; Quebec Pedopsychiatric Association), Laval (Agence de sante publique de Laval & St-Jerome), Longueuil (Université de Sherbrooke) Gatineau (Centre hospitalier Pierre-Janet), and Quebec City (ACFAS). 2006-2009.
- Drs. Gupta, Derevensky, and Martin developed Clean Break (English)/Les jeux sont faits (French), a docudrama aimed at high school students and high-risk adolescents (2006). This project was a Gold Medal winner for the 6<sup>th</sup> Annual Horizon International Interactive Media Productions Award in 2007.
- Dr. Martin collaborated in a variety of community initiatives with local health agencies (Agence de sante publique de Montreal), treatment providers (Maison Jean Lapointe et Le Grand Chemin Centres) and academic institutions (École Charles Bruneau and Lester B. Pearson School Board). These projects provide valuable information on children and adolescents risk behaviors and help contribute to development of prevention tools and programs designed for these clientele. 2006-2009.
- Drs. Martin, Sklar, Gupta and Derevensky provided over 130 local, national and international interviews and media requests (radio, TV and paper in both French and English media). Multiple TV documentaries were filmed at the Centre and with Centre staff. 2005-2009.
- In collaboration with a growing number of Lottery Corporations, the Centre-created campaign aimed at informing parents not to purchase holiday lottery tickets was expanded. The following Lottery Corporations joined our program: Loto-Québec, British Columbia Lottery Corporation, Ontario Lottery Corporation, Nova Scotia Gaming Corporation, Atlantic Lottery Corporation, the Alberta Gaming and Liquor Corporation, the state lotteries of Pennsylvania, Connecticut, Minnesota, Kentucky, Massachusetts, Nebraska, Tennessee, and the Austrian Lottery. Collaboration with the U.S. National Council on Problem Gambling was initiated for the 2008 campaign. 2006-present.
- The Centre began production of six public service announcements (PSAs) to be distributed in 2009. Four have currently been developed, two concerned with Internet wagering, and two focused upon teen poker. The following two PSAs will focus upon sports wagering. 2008-present.

- Dr. Rina Gupta, Anne-Elyse Deguire, and Dr. Jeffrey Derevensky completed the CD-ROM project, in which both interactive multimedia games for elementary and high school students have proven to be effective in increasing student's knowledge, modifying erroneous cognitions, and changing attitudes toward excessive gambling. The Amazing Château (English)/L'incroyable château (French) for elementary-aged students was the Silver Medal winner of the 5<sup>th</sup> Annual Horizon International Interactive Media Productions Award in 2006, and Hooked City (English)/La ville piégée (French) for high school students was the Gold Medal winner for the 6<sup>th</sup> Annual Horizon International Interactive Media Productions Award in 2007. The games come with an accompanying teacher manual, and were distributed to every public and private school in Quebec. 2003-2005.
- Numerous workshops locally, nationally and internationally were provided on a variety of topics related to youth gambling and high-risk behaviors. 2005-present.
- The Agence de développement de réseaux locaux de services de santé et de services sociaux de Montréal-Centre has funded a project enabling the Centre to train school professionals to present our workshops in High-Schools. This training was given by Drs. Martin, Gupta, and Derevensky. 2005-present.
- The Media Toolkit Series will offer three audience-specific units of reference materials on youth gambling. The three units will be for general physicians and allied health professionals, lawyers and justice system professionals, and mental health professionals. Each unit of the toolkit will come in the form of a package containing a CD-ROM with recent topical papers, journal articles and pertinent information, as well as a DVD featuring several short topic-specific video segments on the subject of youth problem gambling. The reference tools will enable professionals in each of these three fields to better identify and offer treatment to young people dealing with gambling problems, who might otherwise fall through cracks in the system.

## **CURRICULUM DEVELOPMENT**

### **2008**

Sklar, A., Martin, I., Gupta, R. & Derevensky, J. (2008). Know Limits. A game to teach youth about the risks associated with excessive gambling. Montreal: McGill University.

Sklar, A., Martin, I., Gupta, R. & Derevensky, J. (2008). Dés Joués. A game to teach youth about the risks associated with excessive gambling. Montreal: McGill University.

### **2007**

Turchi, R., & Derevensky, J. (2007). Children and Gambling-Overcoming the Odds. Hot topic course, Pedialink. American Academy of Pediatrics, Washington, D.C. course ID #174.

### **2006**

Derevensky, J., Gupta, R., & Martin, I. (2006). Youth Gambling: An Awareness and Prevention Workshop. Level II-Revised, High School version. CD-ROM Presentation and Teacher's manual.

Derevensky, J., Gupta, R., & Martin, I. (2006). Le Jeu chez les Jeunes : un atelier de sensibilisation et de prévention: Niveau II-édition révisée (version secondaire). CD-ROM et manuel.

- Gupta, R., Derevensky, J., & Martin, I. (2006). Clean Break. An educational docudrama video and animators manual to sensitize youth about gambling problems. DVD, VHS and manual.
- Gupta, R., Derevensky, J., & Martin, I. (2006). Les jeux sont faits : prévention du jeu problématique. Une vidéo et un guide pour animateurs visant à sensibiliser les jeunes aux problèmes de jeu. DVD ou VHS et manuel.

## **CLINICAL CONSULTATIONS**

National Council on Problem Gambling, Singapore  
 National Institute of Health, Singapore  
 Grand Rounds, Department of Psychiatry, Montreal Children's Hospital  
 Grand Rounds, Department of Psychiatry, Jewish General Hospital  
 Grand Rounds, Department of Epidemiology, Jewish General Hospital  
 Kenilworth Place Addiction Centre, Cape Town, South Africa  
 Ministry of Health & Social Services, Quebec  
 Addictions Services, Nova Scotia, October  
 Foster Pavilion, Montreal  
 Canadian National Centre for Gambling Studies, University of Alberta  
 National Network on Gambling Issues and Research, Canadian Centre on Substance Abuse  
 International Associate, Centre for the Study of the Social Impact of Gambling, University of Plymouth, England

## **PUBLIC HEALTH AND COMMUNICATION**

- The Centre remains instrumental in coordinating an international networking committee with other research Centres and gambling organizations around the world. The Centre collects and collates updates from all gambling centres and uses this information to produce and disseminates an electronic update to the Network. The purpose of this Network is to provide opportunities for sharing knowledge and expertise, enhance collaboration and partnership formation, and improve dissemination of research. Eventually, it is anticipated that the Network will work towards building an international framework of action.
- Leadership in Task Force on Latin American Youth.
- The Centre has been actively involved in a collaborative effort with the Pan American Health Organization, a division of the World Health Organization. A task force with researchers and clinicians from North and South America (including Canada, U.S., Brazil, Venezuela, Colombia, Argentina, and Panama) was formed. The objective of this task force is to begin understanding and addressing high-risk behaviours among Latin American youth. Dr. Derevensky met with members of the Task Force in Brazil while Dr. Gupta and Carmen Messerlian met with another group in Uruguay. The purpose of the mission is to identify priorities and needs and formalize plans for a collaborative research effort.

## **COMMUNICATION AND INFORMATION DISSEMINATION**

- The Quarterly YGI Newsletter and monthly Newsflash online publications continue to be produced and distributed electronically to over 800 listserv members. The Newsflash is produced in English and French.

- Media coverage on local, national and international news continued with interviews including coverage on The Fifth Estate, HBO's Bryant Gamble Show, CBC Television (nationally and locally), CFCF-12, TVA, CBC Radio, New York Times, Global TV, La Presse, The Gazette, Radio-Canada, Télé-Québec, Los Angeles Times, CTV National News, Le Soleil, U.S. News and World Report, CJAD, 940 News, The Straits Times, Singapore, and A&E, among others.

## **SPECIAL CONTRIBUTIONS, PROJECTS, AWARDS, AND HIGHLIGHTS**

- Clean Break, Gold Medal winner, 6<sup>th</sup> annual Horizon International Interactive Media Productions Awards, 2007.
- Dr. Derevensky sits on the International Advisory Panel for the Ministry of Health, Government of Singapore.
- Drs. Derevensky and Gupta provided numerous keynote addresses and workshops at multiple conferences, nationally and internationally.
- Dr. Gupta was the recipient of the Young Scientist Award from the National Center for Responsible Gaming, Harvard Medical School
- The Centre's quarterly newsletter continues to develop with new sections being added and taking an international perspective. This newsletter, Youth Gambling International-YGI, and the YGI-Flash, a bilingual newsletter published 8 times per year, is sent via e-mail and is distributed to over 800 individuals. Both publications are also available on the Centre's website.
- Centre staff provided over 130 local, national and international media interviews (print, radio, and television) during this period (both English and French).
- Centre staff has provided a wide number of reviews for multiple funding agencies and journals.
- Hooked City, our High School interactive CD-ROM prevention initiative was the Gold Medal winner, 5<sup>th</sup> annual Horizon Interactive Media Productions Awards, 2006.
- The Amazing Chateau, our Junior High School interactive CD-ROM prevention initiative was the Silver Medal winner, 5<sup>th</sup> annual Horizon Interactive Media Productions Awards, 2006.
- Dr. Gupta was an invited participant to meet with policy makers from several South African Counties, held in Zambia
- Drs. Derevensky and Gupta provided expert testimony before the Legal and Constitutional Affairs subcommittee, Senate of Canada.
- Drs. Gupta and Derevensky provided expert testimony to the Department of Culture, Media and Sport, Responsible Gambling Trust, United Kingdom. Dr. Gupta provided a keynote talk.
- Dr. Rina Gupta was appointed to Board of Directors of South Africa's Responsible Gambling Trust.
- Dr. Gupta provided expert consultation and an invited address to Lord Andrew McIntosh, Minister for Gambling, concerning the draft legislation on gambling reform, House of Commons, United Kingdom.
- Dr. Rina Gupta met with South African Provincial (Western Cape) Government officials; the Education Minister, Health Minister, Gaming Minister) to help direct the research initiatives, prevention efforts, and policies concerning legislation of legalized gambling opportunities.
- Dr. Derevensky provided expert testimony to the Chair of Senate Committee (Massachusetts) examining gambling in 2008.
- Dr. Derevensky provided expert testimony to the U.S. Congressional Committee examining Internet gambling.



## **TRAINING**

The Centre continues to be actively involved in graduate student training. The following students have completed their research training at the Centre or are currently receiving training:

## **POSTDOCTORAL STUDENTS**

Dr. Cintia Quiroga (Université de Montréal), 2009-present

Dr. N. Will Sheard (University of Calgary), 2008-present

Dr. Neda Faregh (Carleton University), 2009-present

Dr. Juin-Hau Hung (Harvard University), 2006-2008

## **PH.D DISSERTATIONS**

Lussier, I. (2009). Risk, compensatory, protective and vulnerability processes influencing youth Gambling problems and other high risk behaviors. Ph.D. Educational Psychology (School/Applied Child Psychology).

Aulakh, H. (2009). Biological, psychological and gambling variables associated with problem gambling: A functional magnetic resonance imaging study. Ph.D. Educational Psychology (School/Applied Child Psychology).

Dana Wilson (2008) Neighborhood Contexts and Opportunities for youth gambling in Montréal, Québec. Ph.D., Geography.

Steven Skitch (2007). Gambling and substance abuse: A diathesis stress model. Ph.D., Psychology.

Felsher, J. (2006). Etiological factors related to gambling problems: The impact of childhood maltreatment and subsequent psychological stressors. Ph.D. Educational Psychology (School/Applied Child Psychology),

Ste-Marie, C. (2005). Familial problems and problem gambling in young adults. Ph.D. Educational Psychology (School/Applied Child Psychology),

## **M.A. THESES**

Campbell, C. (2009). A national study examining parental attitudes toward adolescent gambling and other high risk behaviors. M.A. Educational Psychology (School/Applied Child Psychology).

Renée St. Pierre. (2008) Retailer compliance with access regulatory policies. M.A. Educational Psychology (School/Applied Child Psychology).

Jessica McBride. (2007) An exploratory study of Internet gambling among university students. Educational Psychology (School/Applied Child Psychology), September. Jessica was the recipient of the 2006 Outstanding Master's Student Thesis Award from the National Council on Problem Gambling (Washington, D.C.).

Sandra Mansour. (2006). A qualitative examination of adolescent perceptions of gambling advertisements. M.A. Educational Psychology (School/Applied Child Psychology).

Gillespie, M. (2005). Adolescent problem gambling: Evaluating the role of outcome expectancies. M.A. Educational Psychology (School/Applied Child Psychology). *Dean's Honour List. Outstanding Master's Thesis Award given by the National Council on Problem Gambling, Washington, DC.*

## **THESES & DISSERTATIONS CURRENTLY BEING COMPLETED**

Benmergui, S. Binge gambling and drinking among University students. M.A.

Gillespie, M. Young adults gambling behaviors: Perceived risks and benefits. Ph.D.

McBride, J. The relationship between gambling and gaming. Ph.D.

St-Pierre, R. An examination the Pathways Model for understanding gambling behavior Ph.D.

Crystal Erickson: An fMRI and PET assessment of dopamine's role in impulsivity and gambling.  
Ph.D., Neurology & Neurosurgery.

Robyn Taylor: Youth gambling. Ph.D., Family Relations, University of Guelph

**EDITORIAL BOARD RESPONSIBILITIES BY CENTRE FACULTY**

Editorial Review Board, BASIS: The Brief Addiction Science Information Source

Editorial Review Board, Journal of Gambling Studies

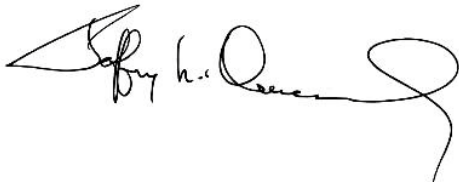
Editorial Review Board, Canadian Journal of School Psychology

Editorial Review Board, Journal of Gambling Issues

Editorial Review Board, International Gambling Studies

Editorial Review Board, Journal of Psychotherapy in Independent Practice

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Jeffrey L. Derevensky". The signature is fluid and cursive, with a long, sweeping tail on the final letter.

Jeffrey L. Derevensky, Ph.D.