

NATIONAL CENTER FOR RESPONSIBLE GAMING



*Connecting Innovative
Research to Best Practices*

2012 Annual Report

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NATIONAL CENTER FOR RESPONSIBLE GAMING
Advancing Research, Education and Awareness

The National Center for Responsible Gaming’s (NCRG) mission is to help individuals and families affected by gambling disorders by supporting the finest peer-reviewed, scientific research into pathological and youth gambling; encouraging the application of new research findings to improve prevention, diagnostic, intervention and treatment strategies; and advancing public education about gambling disorders and responsible gaming. The NCRG is the American Gaming Association’s (AGA) affiliated charity.

Message from the Chairman

Now in its 16th year, the National Center for Responsible Gaming (NCRG) has proven its reputation at the forefront of innovative research studies that are being applied to resources that everyone can use in their daily lives. This past year has been highlighted by unprecedented growth of research funding, education initiatives and new resources, each of which are making a significant impact on the field of gambling disorders and responsible gaming.



In 2012, the NCRG awarded more than \$870,000 to allow pioneering investigators the ability to implement unique and creative research methods to improve our understanding of pathological and youth gambling. Investigators who were awarded these NCRG grants will use new research technologies, animal models and social network mapping capabilities to better conceptualize factors that influence the development of gambling disorders and improve methods to assess and treat the addiction.

Partnerships have long been a key element of the NCRG's accomplishments and 2012 saw even greater achievements. From popular and informative NCRG Treatment Provider Workshop sessions to new opportunities for our researchers and scientists to share their findings, these collaborations with national and regional organizations have allowed the NCRG to share more about its quality research, publications and online resources than ever before.

The NCRG made important progress in applying up-to-date research findings in the development of new resources. Designed specifically for human resources and employee assistance professionals, the first edition of the *Gambling and Health* series was published providing knowledge these professionals can use to address gambling disorders and provide helpful referrals in their workplace. The NCRG also promoted the use of the newly-developed Brief Biosocial Gambling Screen (BBGS) to clinicians nationwide. This three question survey is a science-based brief screen for gambling disorders — and is a direct result of NCRG-funded research.

The NCRG also enhanced its Board of Directors and Scientific Advisory Board (SAB) with members whose expertise will provide well-rounded guidance to the organization. The new Board members will provide their specific economic and treatment-focused perspectives to shed light on the NCRG's initiatives, and the new SAB members will help to expand the NCRG's strategic research funding priorities due to their work with Native American and youth populations.

Finally, we want to express our thanks to the NCRG donors who increased their overall financial commitment to this organization. Since 1996, almost \$25 million has been pledged to the NCRG — an increase of \$3 million in the past year. This is a remarkable demonstration of the sustainability and success of the NCRG.

On behalf of our Board of Directors, we look forward to further expanding our efforts to connect the public with our innovative research and education initiatives in 2013. As always, we are grateful for your support.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Alan Feldman', written over a light blue circular background.

Alan Feldman
Chairman

National Center for Responsible Gaming

Revolutionizing Research

Since 1996, the NCRG has been committed to funding innovative research projects that significantly impact the field of research on gambling disorders with a better understanding of both the disorder and implications for diagnosis, treatment, recovery and prevention. More than 17 years ago, the NCRG provided the first significant private source of funding for high-quality research in this field. It is now the largest and only private source of funding for science-based research and information on gambling and health in the United States.

As the NCRG's research funding opportunities grow, so does the public's understanding of gambling disorders and responsible gaming. The NCRG has fueled the most dramatic increase of scientific investigations of gambling over the past century. NCRG-funded research has produced more than 215 publications, and studies made possible by NCRG grants were cited in more than 12,000 articles in academic journals — a true test of scientific impact.

The NCRG's research portfolio includes the two NCRG Centers of Excellence in Gambling Research and the competitive project grants program. To ensure the highest quality of research is awarded each year, grant-making for the NCRG is overseen by the NCRG Scientific Advisory Board (SAB), which evaluates the proposals based upon recommendations from independent peer-review panels. To see a list of the NCRG's SAB members, visit page 27. For a list of the NCRG's peer-review panelists for 2012, see page 28.

The NCRG's research grants program gives the organization the flexibility to offer increased and diverse funding opportunities, allowing innovative researchers the ability to apply new techniques and apply those findings in clinical settings.



NCRG Scientific Advisory
Board Chairwoman
Linda B. Cottler, Ph.D., M.P.H.

Ensuring the Integrity of NCRG-Funded Research

Gaming Industry

The NCRG's funders – mostly gaming companies and suppliers – make contributions to the NCRG.

National Center for Responsible Gaming

The NCRG keeps a portion of the funds to use for education and outreach initiatives, while the bulk of the funds are distributed to research projects as directed by the independent Scientific Advisory Board and peer-review panels.

Scientific Advisory Board and Peer-Review Panels

Researchers interested in obtaining funding submit proposals through the NCRG's competitive grant-making process. This process is overseen by the Scientific Advisory Board, an independent committee of some of the field's leading experts. A peer-review panel is assembled to evaluate the proposals, based on criteria modeled after those used by the National Institutes of Health. The Scientific Advisory Board makes final funding decisions.

NCRG Centers of Excellence

Using substantial research grants awarded by the NCRG, the NCRG Centers of Excellence in Gambling Research conduct dynamic, ongoing research programs on gambling disorders.

NCRG Project Grants

The NCRG also awards grants to researchers from around the world for individual research projects on gambling disorders.

Peer-reviewed Scientific Journals

After the research has been completed, the researcher usually submits a report on the project and its findings to independent, peer-reviewed journals. NCRG-funded studies have resulted in the publication of more than 215 articles in such journals. The NCRG board and its funders learn about the research findings after they have been published.

NCRG Centers of Excellence in Gambling Research

During more than a decade of funding research on gambling disorders, the NCRG observed that substantial, multiyear research grants are the most effective vehicles for producing seminal research on gambling disorders. In 2009, the NCRG created the NCRG Centers of Excellence in Gambling Research and awarded the first three-year grants to the University of Minnesota and Yale University.

In that time, both NCRG Centers of Excellence have been highly successful in their research endeavors. They have conducted groundbreaking studies, promoted science-based education efforts for health care providers and mentored the next generation of researchers in this field. Their innovative approaches have yielded some significant achievements, listed below. The NCRG will announce the recipients of the next round of NCRG Centers of Excellence grant funding in early 2013.

NCRG Center of Excellence at the University of Minnesota

Principal Investigator: Jon E. Grant, J.D., M.D., M.P.H., professor of psychiatry at the University of Minnesota and co-director of the Impulse Control Disorders Clinic at the University of Minnesota Medical Center*



The goal of the NCRG Center of Excellence at the University of Minnesota is to develop and validate a model that potentially detects and treats youth who are susceptible to impulse control problems and other risky behaviors, such as pathological gambling. If effective, this model could prove that progression to pathological gambling can be prevented with early diagnosis and intervention.

The following are a few of the key findings from Dr. Grant's research:

- A hallmark of gambling disorders is poor decision making. Neuroimaging studies showed that there may be existing circuitry problems with the brain's pre-frontal cortex (orbitofrontal limbic system) of at-risk gamblers, even before problems become apparent. This emphasizes the need for early intervention.¹
- Youth research participants with at least one parent with an addiction (drug, alcohol dependence and/or pathological gambling) were significantly more likely to report problems due to gambling, have significantly higher rates of co-occurring psychiatric problems and report significantly more marijuana and tobacco use.²
- Women appear to develop problems with gambling more quickly than men in spite of a later age of gambling initiation. This suggests a need for greater clinical focus on the gender differences of gambling behavior.³

1. Grant JE, Chamberlain SR, Schreiber LRN, Odlaug BL, Kim SW. Selective decision-making deficits in at-risk gamblers. *Psychiatry Res.* 2011;189(1):115–120.

2. Schreiber LRN, Odlaug BL, Grant JE. Recreational gamblers with and without parental addiction. *Psychiatry Res.* 2012;196(2-3): 290–295.

3. Grant JE, Odlaug BL, Mooney ME. Telescoping phenomenon in pathological gambling: association with gender and comorbidities. *J Nerv Ment. Dis.* 2012;200(11):996–998.

*As of June 2012, Dr. Grant is a professor in the department of psychiatry and behavioral neuroscience at the University of Chicago. Dr. Grant's move to the University of Chicago led to a partnership effort to continue the work established at the NCRG Center of Excellence at the University of Minnesota.

Measuring the Significance of the NCRG Centers of Excellence



Peer-reviewed publications over the three-year grant cycle:

NCRG Center of Excellence at University of Minnesota: **18**

NCRG Center of Excellence at Yale University: **31**

Presentations over the three-year grant cycle:

NCRG Center of Excellence at University of Minnesota: **17**

NCRG Center of Excellence at Yale University: **18**



NCRG Center of Excellence at Yale University

Principal Investigator: Marc Potenza, M.D., Ph.D., professor of psychiatry, child study and neurobiology at Yale University School of Medicine

The two main research components of this NCRG Center of Excellence are: a focus on understanding the relationship between the neurobiology and clinically relevant aspects of pathological gambling; and an investigation of adolescent gambling and risk-taking in a community survey.



Below are a few of Dr. Potenza's findings from the past three years:

- Adolescents who received a scratch lottery ticket as a gift compared with those who did not were more likely to report problems with gambling, buy scratch lottery tickets for themselves, and buy and receive other types of lottery tickets. They were also less likely to report parental disapproval of gambling and to see gambling prevention efforts as important.⁴
- A brain imaging study observed in real time the neural responses of individuals with pathological gambling to monetary rewards and punishment. The findings indicate that future treatment development might target normalizing activity in the "reward" pathway of the brain (mesocorticolimbic neurocircuitry) to regulate impulsive thoughts and behaviors.⁵
- A neuroimaging study suggested that deficits in frontal white matter of the brain might contribute to the pathophysiology of a range of impulsive disorders. This study compared pathological gamblers to those who didn't have problems and observed circuitry connection problems in the frontal regions of the brain of pathological gamblers. The more we learn about the neurobiology the more we can plan targeted pharmaceutical treatments.⁶

In addition to their extensive publication of research findings, both teams have presented their work extensively, at conferences in the United States and abroad. Both NCRG Centers of Excellence have made great strides in advancing the field of research on gambling disorders and mentoring the next generation of gambling investigators.

4. Kundu PV, Pilver CE, Desai RA, et al. Gambling-Related Attitudes and Behaviors in Adolescents Having Received Instant (Scratch) Lottery Tickets as Gifts. *J Adolesc Health*. 2012.

5. Balodis IM, Kober H, Worhunsky PD, et al. Diminished frontostriatal activity during processing of monetary rewards and losses in pathological gambling. *Biol Psychiatry*. 2012;71(8):749–757.

6. Yip SW, Lacadie C, Xu J, et al. Reduced genual corpus callosal white matter integrity in pathological gambling and its relationship to alcohol abuse or dependence. *World J Biol Psychiatry*. 2011:1–10.

NCRG Project Grants Program

The NCRG awarded \$870,000 through the project grants program in 2012 — the highest amount that the organization has ever funded for these types of studies. This funding was awarded in support of 10 research projects featuring innovative strategies to increase understanding of pathological gambling and improve methods of diagnosis, intervention and treatment of gambling disorders.

Seed Grants

A Benchmark Study for Monitoring Exposure to New Gambling Opportunities

Principal Investigator: Sarah E. Nelson, Ph.D. Division on Addiction at Cambridge Health Alliance, a teaching affiliate of Harvard Medical School

Award: \$28,750

The research team will establish a baseline estimate of gambling behaviors and health within Massachusetts communities. With the recent expansion of gaming opportunities within the Commonwealth, the results from this online survey can be used as the benchmark for a future long-term longitudinal investigation of the effect of gambling expansion on public health.

Sequential Decision Making and Illusionary Pattern Detection in Gamblers

Principal Investigator: Andreas Wilke, Ph.D. Clarkson University

Award: \$28,675

This research project will use two novel computerized decision-making models to investigate gamblers' perceptions when they decide to continue or stop betting on sequential events. Understanding how these patterns relate to gambling decisions may reveal important aspects of gambling behavior that could lead to new screening tools.

Mindfulness-based Relapse Prevention for Problem Gambling

Principal Investigator: Katie Witkiewitz, Ph.D. University of New Mexico

Award: \$28,129

Dr. Witkiewitz will evaluate if mindfulness-based relapse prevention (MBRP), a successful

aftercare treatment for other psychological and substance use disorders, could be effective in the treatment of gambling disorders. The investigators hypothesize that individuals in treatment for gambling disorders who also receive MBRP will have significantly better gambling and substance use outcomes following treatment.

Early Stage Investigator Grants

Stress Reactivity and Risk-taking Behavior in Pathological Gambling

Principal Investigator: Iris Balodis, Ph.D. Yale University School of Medicine

Award: \$64,797

By describing the connection between the sympathetic nervous system's responses when an individual is either stressed or demonstrating risk-taking behaviors, Dr. Balodis and her team will examine how reactions to stress can predict measures of behavioral control and its implication in understanding addictive behaviors and responses.

Expanding the Study of Actual Internet Gambling Behavior: Exposure and Adaptation within a Newly Opened Market

Principal Investigator: Heather Gray, Ph.D. Division on Addiction at Cambridge Health Alliance, a teaching affiliate of Harvard Medical School

Award: \$141,362

This project will conduct an analysis of actual Internet gambling behavior in partnership with Reykjavik University and the University of Iceland to study gamblers and gambling behavior, "high risk" gamblers and how people adapt to new gambling opportunities.

“There are few psychosocial treatments developed specifically for gambling addiction, and it is difficult to obtain National Institutes of Health or National Science Foundation support to develop new treatment options. NCRG-funding makes this possible.”

Katie Witkiewitz, Ph.D., University of New Mexico

The Peer Group Regulates Motivational Pathways to Gambling in Youth: Implications for Early Intervention

Principal Investigator: Jennifer L. Tackett, Ph.D.
University of Houston

Award: \$64,880

Dr. Tackett's project will examine the ways in which youth use motivations to seek rewards and avoid punishments in order to explain pathways toward problematic gambling behavior. The study will also examine the influence of peers on gambling behavior.

Large Grants

Web-based Screening and Brief Intervention for Disordered Gambling Among Emerging Adults

Principal Investigator: Mary Larimer, Ph.D.
University of Washington

Award: \$172,500

This project will investigate the effectiveness of brief interventions as a treatment option for adults ages 18 to 25. The research team will recruit participants through social media to assess their gambling behavior, and will customize and assess a screen and brief intervention and examine its effectiveness on gambling disorders among this population.

Evaluating the Potential of Mixed-Function Serotonergic Compounds for Treatment of Gambling Disorders

Primary Investigator: T. Celeste Napier, Ph.D.
Rush University Medical Center

Award: \$172,500

Dr. Napier will expand the scope of her 2011 NCRG-funded seed grant research to expedite the discovery and development of effective pharmacological treatment strategies for pathological gambling. The project will use unique rat models to determine if medications used for

other diseases can be repurposed for the treatment of gambling disorders. The medications they have selected to test are already known to be safe for humans.

Characterization of Pathological Gambling as an Addictive Disorder

Principal Investigator: Jeremiah Weinstock, Ph.D.

Saint Louis University

Award: \$168,824

Dr. Weinstock will clarify the current shift of the perception of pathological gambling from impulse control disorder to an addiction and further explain pathological gambling's role as an addictive disorder. The research team will examine the biological stress response of people with pathological gambling and compare it with those who either have no addictions or substance use disorder.

Travel Grants

Creating Change: A Past-focused Model for PTSD and Addictions

Principal Investigator: Joni Utley, Psy.D.
VA Boston Healthcare System and VA Bedford/
Boston University School of Medicine

Award: \$1,500

Dr. Utley received the NCRG's first Travel Grant to present a paper at the International Society for Traumatic Stress Studies conference on a new past-focused behavioral therapy model developed for comorbid post-traumatic stress disorder and addictions, including pathological gambling.

“As a young investigator early in my career, the NCRG funding is fundamental in developing my research directions.”

Iris Balodis, Ph.D., Yale University

Publications of NCRG-funded Research

A measure of the quality of scientific research is publication in a well-regarded scientific journal. By publishing their work, researchers subject their work and methodology to the editorial boards, and share their data and analysis with colleagues in the field. NCRG-funded research has consistently been published in top-tier journals with the most rigorous standards. The following is a list of NCRG-funded research studies that were published in 2012.

- Balodis IM, Kober H, Worhunsky PD, et al. Diminished frontostriatal activity during processing of monetary rewards and losses in pathological gambling. *Biol. Psychiatry*. 2012;71(8):749–757.
- Balodis IM, Kober H, Worhunsky PD, et al. Attending to striatal ups and downs in addictions. *Biol. Psychiatry*. 2012; 72(10):e25–26.
- Chamberlain SR, Odlaug BL, Schreiber LRN, Grant JE. Association between tobacco smoking and cognitive functioning in young adults. *Am J Addict*. 2012;21:S14–S19.
- el-Guebaly N, Mudry T, Zohar J, Tavares H, Potenza MN. Broadening our horizon: Response to commentaries. *Addiction*. 2012;107(10):1739–1740.
- Fortune EE, Mackillop J, Miller JD, et al. Social density of gambling and its association with gambling problems: An initial investigation. *J Gambl Stud*. 2012.
- Giddens JL, Stefanovics E, Pilver CE, Desai R, Potenza MN. Pathological gambling severity and co-occurring psychiatric disorders in individuals with and without anxiety disorders in a nationally representative sample. *Psychiatry Res*. 2012;199(1):58–64.
- Grant JE, Chamberlain SR, Schreiber LRN, Odlaug BL. Gender-related clinical and neurocognitive differences in individuals seeking treatment for pathological gambling. *J Psychiatr Res*. 2012;46(9):1206–1211.
- Grant JE, Chamberlain SR, Schreiber LRN, Odlaug BL. Neurocognitive deficits associated with shoplifting in young adults. *Compr Psychiatry*. 2012;53(8):1049–1055.
- Grant JE, Odlaug BL, Chamberlain SR, Schreiber LRN. Neurocognitive dysfunction in strategic and non-strategic gamblers. *Prog Neuropsychopharmacol Biol Psychiatry*. 2012;38(2):336–340.
- Grant JE, Odlaug BL, Mooney ME. Telescoping phenomenon in pathological gambling: Association with gender and comorbidities. *J Nerv Ment Dis*. 2012;200(11):996–998.
- Grant JE, Chamberlain SR, Schreiber L, Odlaug BL. Neuropsychological deficits associated with cannabis use in young adults. *Drug Alcohol Depend*. 2012;121(1–2):159–162.
- Hamilton KR, Potenza MN. Relations among delay discounting, addictions, and money mismanagement: implications and future directions. *Am J Drug Alcohol Abuse*. 2012;38(1):30–42.
- Harvanko AM, Odlaug BL, Schreiber LRN, Grant JE. Cognitive task performance and frequency of alcohol usage in young adults. *J Addict Med*. 2012;6(2):106–111.
- Kundu PV, Pilver CE, Desai RA, et al. Gambling-related attitudes and behaviors in adolescents having received instant (scratch) lottery tickets as gifts. *J Adolesc Health*. 2012.
- Leeman RF, Billingsley BE, Potenza MN. Impulse control disorders in Parkinson's disease: Background and update on prevention and management. *Neurodegener Dis Manag*. 2012;2(4):389–400.
- Leeman RF, Potenza MN. Similarities and differences between pathological gambling and substance use disorders: A focus on impulsivity and compulsivity. *Psychopharmacology*. 2012;219(2):469–490.
- Nyman JA, Dowd BE, Hakes JK, Winters KC, King S. Work and non-pathological gambling. *J Gambl Stud*. 2012. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/22258556>. Accessed May 3, 2012.
- Odlaug BL, Stinchfield R, Golberstein E, Grant JE. The relationship of tobacco use with gambling problem severity and gambling treatment outcome. *Psychol Addict Behav*. 2012. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/22946857>. Accessed September 21, 2012.
- Rahman AS, Pilver CE, Desai RA, et al. The relationship between age of gambling onset and adolescent problematic gambling severity. *J Psychiatr Res*. 2012;46(5):675–683.
- Schreiber LRN, Grant JE, Odlaug BL. Emotion regulation and impulsivity in young adults. *J Psychiatr Res*. 2012;46(5): 651–658.
- Schreiber LRN, Odlaug BL, Grant JE. Recreational gamblers with and without parental addiction. *Psychiatry Res*. 2012;196 (2-3):290–295.
- Yau YHC, Crowley MJ, Mayes LC, Potenza MN. Are Internet use and video-game playing addictive behaviors? Biological, clinical, and public health implications for youths and adults. *Minerva Psichiatr*. 2012;53(3):153–170.

Making an Impact

By publishing new and relevant resources and speaking at more events to new audiences, the NCRG fulfilled its mission in 2012 to reach new audiences with high-quality, science-based information about gambling disorders and responsible gaming. The following is a comprehensive look at the NCRG's public education and outreach accomplishments.

Expanding the NCRG's Reach

In 2012, the NCRG's leadership and staff presented or exhibited at more than 12 national and regional meetings — a record number of outreach events for the organization. Outreach efforts included exhibits at national conferences for organizations including the American Psychological Association, the American Society of Addiction Medicine and the College on Problems of Drug Dependence. The NCRG also presented at annual meetings for gambling treatment-specific audiences, including events for the National Council on Problem Gambling, the Midwest Conference on Problem Gambling and Substance Abuse and the Responsible Gaming Association of New Mexico.

To reach the greater business and tribal gaming communities, NCRG representatives presented at Leadership Las Vegas and the National Tribal Gaming Commissioners Conference.

In June, the NCRG staff, board members and NCRG-funded researchers attended the Massachusetts Gaming Commission (MGC) Public Forum on Gambling Disorders Research and Prevention Programs. They presented the work of the NCRG, discussed some of the important lessons that the organization has learned from funding high-quality research, and added an important perspective to how the MGC should approach the state's pathological gambling research, treatment and prevention efforts.



NCRG Communications and Outreach Manager Amy Kugler (left) talks with a visitor at the NCRG's booth at Global Gaming Expo (G2E).

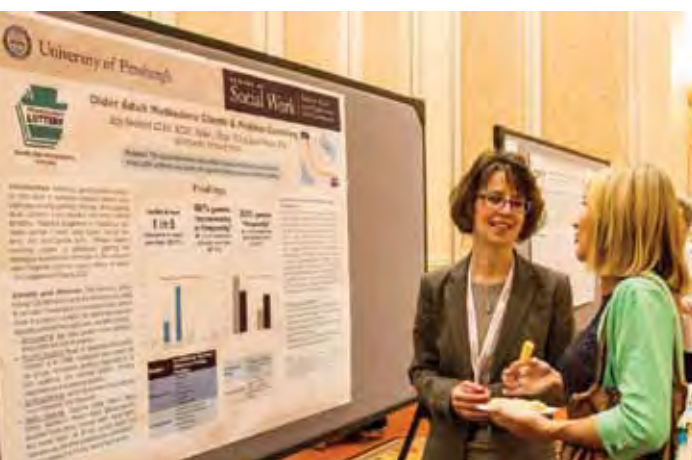
New Partnerships with Sports Organizations

In 2012, the NCRG had the unique opportunity to share the organization's work and resources to collegiate and professional sports administrators. In February, NCRG-funded researcher Matthew Martens, Ph.D., from the University of Missouri, and NCRG Communications and Outreach Manager Amy Kugler presented at the National Collegiate Athletic Association (NCAA) Missouri Gambling Summit. In October, Kugler was invited to present at the NCAA's annual Sports Wagering Conference. Both presentations described the resources found on CollegeGambling.org and the latest research about gambling disorders among college students to more than 125 university administrators, athletics and student health directors from NCAA Division I and II schools.

In September, the NCRG was invited to participate on various panel discussions at the Professional Leagues Sports Wagering Summit, organized by the National Football League (NFL) and Major League Baseball (MLB). This was the first-ever sports wagering meeting of six professional sports leagues and included representatives from the Federal Bureau of Investigation and New York Police Department. NCRG representatives provided insight on a wide range of topics, from a fundamental science-based understanding of gambling disorders to the many resources that the NCRG can provide to their athletes and staff.

NCRG Conference on Gambling and Addiction — *Exploring New Trends in Recovery, Research and Responsible Gaming*

The 13th annual NCRG Conference on Gambling and Addiction brought together more than 300 health care providers, researchers, industry members and regulators to explore new trends that directly impact the way we treat, prevent and study gambling disorders and responsible gaming. The NCRG Conference — hosted in partnership with the NCRG Centers of Excellence in Gambling Research and in conjunction with Global Gaming Expo (G2E) — was held at the Sands Expo and Convention Center at the Venetian Las Vegas from Sept. 30 to Oct. 2. For the second year, the NCRG Conference co-located with G2E, providing essential information to a wider audience of industry members and regulators.



Left: Bechtold explains her research in conjunction with the University of Pittsburgh School of Social Work at the 13th annual NCRG Conference on Gambling and Addiction.

Right: Dr. Cottler, NCRG Scientific Advisory Board chairwoman, asks a question to Westley Clark, M.D., J.D., M.P.H., during his NCRG Conference keynote.

The 2012 conference highlighted the latest changes in health care delivery systems, the science of recovery, the use of brief interventions, the impact of Internet gambling, public and private funding issues, ways to serve the cultural needs of minority populations and more. The NCRG also hosted two pre-conference workshops for treatment providers that explored Acceptance and Commitment Therapy as a potential therapeutic option and discussed the pros and cons of various screening instruments and assessments.

As a part of G2E's corporate social responsibility conference track, the "NCRG at G2E" program featured sessions on how governments distribute responsible gaming funds and how the NCRG has advanced the field of gambling disorders through the research it has supported.

The NCRG staff live-tweeted many of the sessions, making conference insights available in real time to a larger audience. Attendees were encouraged to share what they learned from the conference presenters on Twitter with the hashtag #NCRGConference as well. The NCRG staff also posted eight blogs and interviews that recapped various conference sessions and highlights. These efforts increased the influence of the NCRG's Twitter and Facebook accounts by 30 percent in terms of engagement from previous monthly statistics.

NCRG Conference on Gambling and Addiction Advisory Board

The following individuals generously donated their time and expertise to help develop the program for the 2012 NCRG Conference:

Peter Cohen

Director, Regulatory Affairs
The Agenda Group

Jon E. Grant, J.D., M.D., M.P.H.

Professor of Psychiatry
University of Chicago School of Medicine

Dean Hestermann

Director, Issues Management and Strategic Communication
Caesars Entertainment Corporation

Connie Jones

Director of Responsible Gaming
International Game Technology (IGT)

Reece Middleton

Executive Director
Louisiana Association on Compulsive Gambling

Marc N. Potenza, M.D., Ph.D.

Professor of Psychiatry
Founding Director, Problem Gambling Clinic
Yale University School of Medicine

Christine Reilly

Senior Research Director
National Center for Responsible Gaming

Kelly Skindzelewski

Public Affairs Director
Potawatomi Bingo Casino

Katherine Spilde, Ph.D.

Chair, Sycuan Institute on Tribal Gaming
Associate Professor, School of Hospitality and Tourism Management
San Diego State University

Mark Vander Linden

Executive Officer, Office of Gambling Treatment and Prevention
Iowa Department of Public Health

The 2012 NCRG Conference was generously supported by the following sponsors:

Platinum: International Game Technology (IGT) and MGM Resorts International

Silver: Ameristar Casinos, Inc., Isle of Capri Casinos, Inc. and Potawatomi Bingo Casino

Bronze Silver: Betsson Group, Caesars Entertainment Corporation, Penn National Gaming, SPIELO International and WMS Gaming, Inc.

NCRG Scientific Achievement and Poster Awards

Each year, a highlight of the NCRG Conference is a luncheon to honoring the NCRG Scientific Achievement Award and Outstanding Poster Award winners. The 2012 luncheon was sponsored by IGT.

Scientific Achievement Award

The NCRG was pleased to present the 2012 Scientific Achievement Award to Randy Stinchfield, Ph.D., L.P., associate director of the Center for Adolescent Substance Abuse Research in the department of psychiatry at the University of Minnesota Medical School. Dr. Stinchfield's pioneering contributions to the field of gambling research have focused on youth gambling, assessment of gambling disorders and measurement of treatment outcomes. Not only did he conduct one of the first gambling treatment outcome studies, but Dr. Stinchfield has also conducted the earliest and most significant research on youth gambling — including the first youth gambling survey in the U.S. The enduring legacy of Dr. Stinchfield's work is that he has conducted early and foundational research in these multiple tracks and much of this work has significantly advanced the field.

Outstanding Poster Award

The 2012 Outstanding Poster Award was selected from among the 42 posters presented at the NCRG Conference — the highest number of research posters presented to date. The winning poster was presented by Gerhard Meyer, Ph.D., from the University of Bremen in Germany. His work, titled "Is Poker a Game of Skill or Chance? A Quasi-experimental Study," examined what qualifies a game to be labeled a "game of skill" by researchers.

2012 NCRG Scientific Achievement Award Selection Committee

Tammy Chung, Ph.D.

*Associate Professor of Psychiatry
University of Pittsburgh School of Medicine*

Robert Ladouceur, Ph.D.

*Professor Emeritus of Psychology
Laval University*

Katherine Spilde, Ph.D.

*Chair, Sycuan Institute on Tribal Gaming
Associate Professor, School of Hospitality and Tourism Management
San Diego State University*

Craig Nagoshi, Ph.D.

*Associate Professor of Psychology
Arizona State University*

Silvia Martins, M.D., Ph.D.

*Associate Professor of Epidemiology
Columbia University*

NCRG Chairman
Alan Feldman
(right) presents the
2012 Scientific
Achievement
Award to Dr.
Stinchfield.



Feldman presents
the 2012
Outstanding
Poster Award to
Dr. Meyer (left).



Feldman presents
2012 Outstanding
Poster Honorable
Mention awards
to Corey Pilver,
Ph.D. (left) and
Dr. Balodis, Ph.D.
(right), both of Yale
University.





Left: Reilly leads a gathering of Miami-area mental health community leaders for a roundtable discussion at the University of Miami. Right: Feldman discusses the NCRG's latest resources to Florida's business and civic leaders.

Annual Education Summit

In April, the NCRG embarked on the sixth Annual Education Summit (AES) in Miami, Fla. The goal of each AES is to share information about the latest research on gambling disorders and make key stakeholders aware of the science-based programs and resources the NCRG has to offer.

The 2012 AES featured expert speakers such as Alan Feldman, chairman of the NCRG and senior vice president of public affairs for MGM Resorts International; Carlos Blanco, M.D., Ph.D., professor of clinical psychiatry at Columbia University and director of the Gambling Disorders Clinic at Columbia University Medical Center; Ken Winters, Ph.D., member of the NCRG's Scientific Advisory Board and professor of psychiatry and director of the Center for Adolescent Substance Abuse and Research at the University of Minnesota; and Christine Reilly, senior research director for the NCRG.

A highlight of the 2012 AES was the multilingual media exposure that the NCRG secured. Dr. Blanco was interviewed during a weekly radio show for *Radio Caracol*, a national Spanish-language radio station. He was also featured on "Al Rojo Vivo," a multi-country television show for *Telemundo*, where he discussed youth gambling, the latest research on pathological gambling and the NCRG's resources to address these issues.

Feldman and Dr. Winters also spoke to the *South Florida Sun-Sentinel*. Stories about the AES appeared in the *Sun-Sentinel* and *The Miami Herald*.

In partnership with the Greater Miami Chamber of Commerce, the NCRG co-hosted a luncheon presentation to discuss how the greater community can collaborate to address gambling disorders and responsible gaming across the state of Florida. Keynote speakers Feldman and Dr. Winters discussed the latest advancements in the field of gambling research, resources offered by the NCRG and the importance of corporate social responsibility.

The NCRG and the Florida Council on Community Mental Health co-hosted a roundtable discussion for mental health experts to learn ways to use research findings in their daily practice and how collaborative efforts can effectively address gambling disorders in their community. Additionally, the NCRG and the Florida Psychological Association co-hosted a free workshop led by Drs. Blanco and Winters for clinicians, counselors and social workers.

As a final event, representatives from Miami-area colleges and universities gathered to share resources and best practices on how to address gambling and gambling-related harms on college campuses.

NCRG Webinar Series — *High-quality Training Without Leaving Your Home or Office*

The NCRG continued its webinar series in 2012 as part of the organization's effort to provide year-round educational opportunities designed to help individuals better understand and address critical issues related to gambling disorders and responsible gaming. The NCRG again partnered with the G2E Online Education Center to provide these free sessions to more than 300 clinicians, researchers and industry members.



Dr. Sarah Nelson



Dr. Serena King



Dr. Wendy S. Slutske

- Sarah Nelson, Ph.D., of Harvard Medical School, led a webinar titled **“Science vs. Myth: Research on Internet Gambling”** that provided a deeper look at the characteristics of people who have gambled online.
- Serena King, Ph.D., of Hamline University, led a webinar titled **“Youth Gambling: Genetic and Environmental Factors.”** Dr. King reported on new findings from an NCRG-funded study that examined the roles of genetics and environment on the development of gambling disorders among youth.
- **“Path to Recovery: Is Controlled Gambling Possible for Pathological Gamblers,”** was led by Wendy S. Slutske, Ph.D., of the University of Missouri – Columbia. Dr. Slutske discussed recent research on gambling activity of recovering pathological gamblers and the implications of the findings for treatment and interventions.

Treatment Provider Workshop Series — *Partnerships that Produce Quality Training*

In 2012, the NCRG continued to host free training sessions for mental health and addiction treatment providers to better understand the most up-to-date research on gambling disorders and apply those findings to their clinical practice. The four workshops featured leading researchers and clinicians in the field of gambling disorders, and the NCRG partnered with local organizations to host and promote the trainings for approximately 300 clinicians across the nation. The sessions and regional partners included:



Ken Winters, Ph.D.

- **“Gambling Disorders: Screening and Assessment Strategies”** (Miami, Fla.)
Speaker: Dr. Winters, University of Minnesota
Co-Sponsor: Florida Psychological Association

- **“Helping Clients Overcome Impulse Control Problems and Address Youth Gambling”** (Pittsburgh, Penn.)

Speaker: Dr. Grant, University of Minnesota

Co-Sponsor: University of Pittsburgh School of Social Work

- **“Genetic and Environmental Influences on Gambling”** (Kansas City, Mo.)

Speaker: Dr. King, Hamline University

*This workshop was held at the Midwest Conference on Problem Gambling and Substance Abuse

- **“Post-traumatic Stress Disorder and Problem Gambling”** (Las Vegas, Nev.)

Speaker: Lisa Najavits, Ph.D., Boston University School of Medicine

Co-sponsor: Nevada Council on Problem Gambling



Dr. Lisa Najavitz

NCRG Resources

Brief Biosocial Gambling Screen — Practically Applying Research Findings

To help encourage practitioners to screen patients for gambling disorders, the NCRG distributed more than 20,000 magnets that displayed the Brief Biosocial Gambling Screen



(BBGS) to clinicians around the nation. The BBGS is a three-question screening instrument that was developed with NCRG-funding by the Division on Addiction at Cambridge Health Alliance, a teaching affiliate of Harvard Medical School. The NCRG mailed it to more than 17,000 mental health professionals and distributed it to the NCRG Conference attendees, as well as participants at other national conferences.

“Gambling and Health in the Workplace” — A New Publication for Targeted Audiences

Coinciding with the 15th annual Responsible Gambling Education Week, the NCRG produced the first guidebook in its new *Gambling and Health* series. This series is designed to give the public a greater understanding of gambling disorders and responsible gaming and equip stakeholders with the best science-based resources available. Each guidebook is developed for a specific community group.

The 2012 publication, “Gambling and Health in the Workplace: A Research-based Guide for Human Resources and Employee Assistance Professionals,” was designed to help human resources (HR) and employee assistance (EA) managers learn about gambling disorders, encourage responsible decisions when gambling and understand practical ways to assist and refer individuals with



gambling problems. Additionally, the NCRG created a one-page flyer for employees that outlines facts about the issue and resources to learn more about gambling addiction.

This volume of *Gambling and Health* was developed under the guidance of an advisory committee of leaders in the HR and EA fields, drawing experience from various business backgrounds. It was distributed to more than 1,000 members of national organizations of human resources and employee assistance leaders, as well as HR teams at AGA member properties.

NCRG Monograph Series — A Definitive Guidebook for Clinicians

The NCRG published the seventh volume of *Increasing the Odds: A Series Dedicated to Understanding Gambling Disorders* in October. This edition is titled “What Clinicians Need to Know about Gambling Disorders,” and serves as an essential training guide necessary for any clinician to recognize, understand and treat this addiction. The NCRG also developed an online component that includes many brief screens and assessment instruments for gambling disorders. In 2012, it was the most-downloaded resource on the NCRG’s website.



Addressing Youth Gambling CollegeGambling.org — The Go-to Online Resource for Colleges and Universities

During the NCAA basketball tournament in March, the NCRG conducted a multi-pronged outreach campaign to celebrate CollegeGambling.org’s second year as an essential resource to understand gambling and gambling-related harm on college campuses. This campaign was designed to increase awareness of the website, and outreach initiatives were conducted in two phases.

First, the organization created a three-minute video about gambling on college campuses, which highlighted the latest research on college gambling





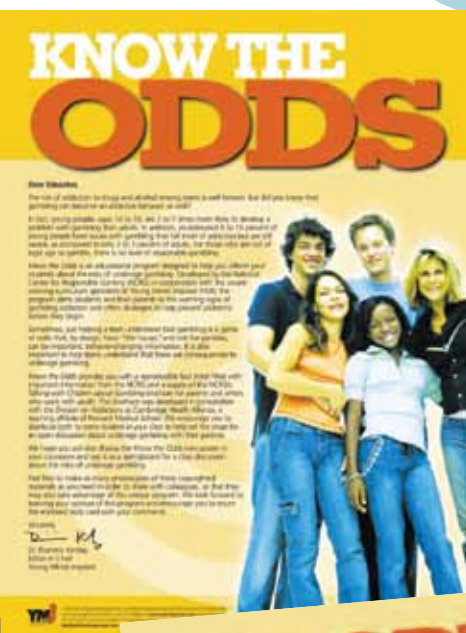
Christine Reilly
Senior Research Director
National Center for Responsible Gaming



Karin Ditttrick-Nathan, Ph.D.
Clinical Asst. Professor
University of Denver

and resources available on CollegeGambling.org. Reilly and Karin Ditttrick-Nathan, Ph.D., a member of the NCRG's Task Force on College Gambling Policies and clinical professor at the University of Denver, were featured on the video. The video was distributed as a multi-media press release and has been viewed more than 4,890 times. The release was featured on 380 websites, including Yahoo! and CNN's *iReport*, more than 90 websites for local and state newspapers and more than 160 television stations' websites.

The second arm of the campaign was a grassroots outreach effort to distribute information to target audiences and place key messages during March Madness. Campaign elements included a promotional mailing that was sent to more than 1,700 campus health professionals, and an email outreach effort that was distributed to 4,050 university administrators. Media relations efforts also resulted in placing the created PSAs in the live game announcements for the Big 10, Big 12 and SEC tournament games.



“Know the Odds” — Reaching Youth Around the Nation

To address youth gambling among new audiences, the NCRG continued its partnership with Young Minds Inspired (YMI) to expand the distribution and promotion of the “Know the Odds” curriculum. Developed in 2011, the resource was based on the NCRG’s brochure “Talking with Children about Gambling” that encourages teachers and parents to help students understand the warning signs of problem gambling and the facts about underage gambling.

In September, the packets were mailed to 1,875 schools in 10 cities: Philadelphia, Pa.; Chicago, Ill.; St. Louis, Mo.; Kansas City, Mo.; Reno, Nev.; Las Vegas, Nev.; Miami, Fla.; New Orleans, La.; Biloxi, Miss.; and San Diego, Calif. YMI estimated that this mailing reached more than 445,000 students, parents and teachers — almost 350,000 more people than the 2011 distribution.



Responsible Gaming Programs — *Helping the Industry Educate and Inform*

Responsible Gaming Education Week

As in past years, the NCRG teamed up with the AGA to encourage casinos and their patrons to understand how to gamble responsibly for Responsible Gaming Education Week (RGEW) from July 30 to August 3. The 2012 theme was an extension of the AGA's 2012 "All In" campaign that highlighted the gaming industry's corporate social responsibility efforts and focused on the fact that responsible gaming is not just a casino issue, but a community issue. In addition to contributing to promotion of RGEW, the NCRG released the first volume of its *Gambling and Health* series.



Responsible Gaming Quarterly

First published in 2001, *Responsible Gaming Quarterly (RGQ)* has become one of the most respected international resources for news and analysis related to gambling disorders and responsible gaming. Published in partnership with the AGA, *RGQ* has nearly 1,500 subscribers. The 2012 edition featured articles on social networks and gambling, treatment programs, international tools for problem gamblers and youth education programs.



"I greatly appreciate the work that the NCRG does as the major funder for pathological gambling research in the United States. Over the years, the NCRG has made tremendous strides to draw back the curtain and give us a clearer view of pathological gambling as a brain disorder and clinically-proven best practices for treatment."

Robert Kerksieck, Health Facilities Surveyor in the Office of Problem Gambling Prevention and Treatment, Iowa Department of Public Health



Media Outreach — Highlighting the NCRG's Work

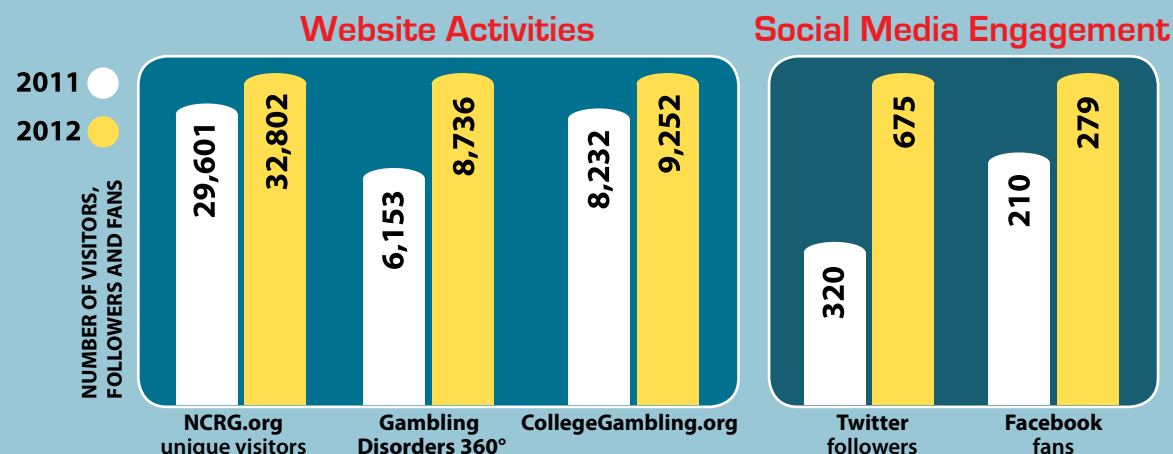
All of the NCRG's public education initiatives, outreach activities and research funding programs included a media outreach component to help increase visibility of the organization and its accomplishments.

The NCRG distributed 11 press releases and media alerts to more than 400 members of the media surrounding several key announcements, including: CollegeGambling.org, the NCRG Conference, the monograph series, additions to the board of directors, the "Know the Odds" curriculum, the *Gambling and Health* series, the Annual Education Summit and the research grants program.

A majority of the organization's media coverage centered on specific NCRG programs, such as the NCAA basketball tournament campaign for CollegeGambling.org and the Annual Education Summit. The organization's announcements and events were covered in *Global Gaming Business*, *Las Vegas Review Journal* and the *Las Vegas Sun*. Beyond placed stories, the NCRG has served as a leading information source for reporters covering the gaming industry, health and business beats for *The Associated Press*, *Wall Street Journal* and regional publications in Missouri, Ohio and Maryland, among others.

Social Media – Expanding the NCRG's Digital Community

The NCRG continued to grow its social media following by live-tweeting all of the organization's programs and promoting grant-funded research findings. The NCRG blog team published 45 posts to Gambling Disorders 360°, the NCRG's blog. The organization also included more videos on the NCRG's YouTube channel. Social media statistics are outlined in the graph below.



A Look to the Future

The National Center for Responsible Gaming (NCRG) has set an ambitious agenda set for 2013. From one-of-a-kind online screening and intervention tools to clinician training sessions and new resources, the NCRG will continue to lead the field by building partnerships, funding innovative studies and putting those research results into practice.

First, the NCRG's research program has some exciting announcements to help bridge the gap between research studies and clinical practice. For 2013, the organization has allocated more than \$950,000 in research funds. The NCRG also will fund a new Addiction Fellowship, designed to encourage M.D.s and clinical Ph.D.s to make a significant impact on the field of gambling disorders.

The second round of recipients for the NCRG Centers of Excellence in Gambling Research grants will be awarded to the University of Chicago and Yale University in 2013. To recognize these grantees, the NCRG will organize an Annual Education Summit in March at the University of Chicago that will include a workshop for young researchers and a symposium to help explain the organization's impact and resources to the greater community.

To make available the latest science-based information on gambling disorders, the NCRG will launch an online resource that will include up-to-date research on gambling disorders and responsible gaming in an easy-to-use format. This website will serve as a hub for the most frequently requested information on these topics with brochures, fact sheets, podcasts and videos.

In May, the American Psychiatric Association (APA) will publish the much-anticipated fifth edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-5). The NCRG will lead an effort to educate key stakeholders and inform the public on the impact these

changes have on clinicians, researchers and the general public. These initiatives include a white paper that outlines new additions the DSM-5, outreach opportunities at the APA's annual meeting and special sessions at the 14th annual NCRG Conference on Gambling and Addiction from September 22 to 24.

Additionally, NCRG-funded researchers will publish the first-ever online screening and brief intervention aimed specifically for college students. This web-based assessment will be housed on CollegeGambling.org, serving as a helpful resource for college-aged individuals to decide whether or not they should seek further treatment for their gambling behavior. The NCRG plans to release this in the second half of 2013.

Clinicians, researchers and industry members are not the only stakeholders who need to understand the most relevant research findings about gambling disorders. The NCRG's newest publication series, *Gambling and Health*, will include a guidebook that specifically addresses these issues among professionals who work in the criminal justice system.

As always, the NCRG understands that public health organizations must collaborate to advance this field of research and improve public understanding of this disorder. In 2013, the NCRG will continue to build upon successful partnerships with regional and national organizations that are invested in mental health and public health issues. The NCRG's goal is to build a coalition to address issues related to prevention, treatment and recovery of gambling disorders in 2014.

We are excited for the upcoming year and are pleased to offer new lines of research funding, education programs and resources than ever before — all thanks to the support of the NCRG's donors.

Financial Statements

The following Summary of Financial Position and Statement of Activities reflect amounts from the NCRG's 2011 audit. Financial statements that reflect audited figures from 2012 will be available by fall 2013.

Summary of Financial Position

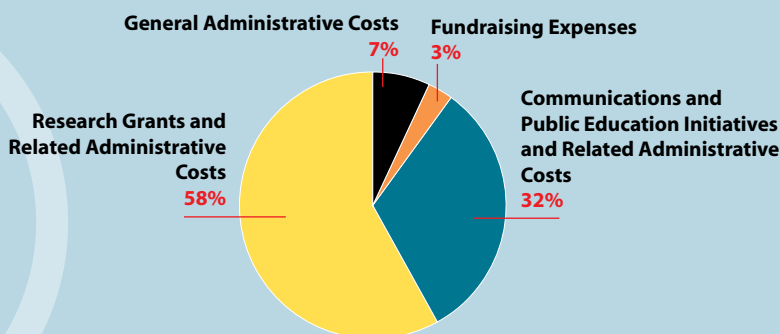
As of December 31	2011	2010
ASSETS		
Cash and Cash Equivalents	\$3,080,845	\$2,817,888
Investments	512,462	541,522
Receivables and Other Assets	24,761	112,713
Grants Receivable	2,985,321	4,056,046
Total Assets	\$6,603,389	\$7,528,169
LIABILITIES AND NET ASSETS		
Liabilities		
Accounts Payable and Accrued Assets	\$75,233	\$77,489
Grants Payable	759,552	687,187
Total Liabilities	\$834,785	\$764,676
Net Assets		
Unrestricted	\$1,778,115	\$2,405,514
Temporarily Restricted	3,990,489	4,357,979
Total Net Assets	\$5,768,604	\$6,763,493
Total Liabilities and Net Assets	\$6,603,389	\$7,528,169

Statement of Activities

Year Ended December 31	2011	2010
UNRESTRICTED ACTIVITIES		
REVENUE AND SUPPORT		
Hall of Fame	\$238,601	\$53,000
NCRG Conference	123,330	139,963
AGEM-AGA Golf Tournament	100,000	100,000
Contributions	81,455	86,621
Interest and Dividends	20,635	25,642
Other Income	13,346	8,305
	\$577,367	\$413,531
Net Assets Released from Restriction- Satisfaction of Purpose Restrictions	481,766	17,898
Total Unrestricted Revenue and Support	\$1,059,133	\$431,429
EXPENSE		
Program Services		
Institute and Research	\$723,133	240,768
Communications	370,700	320,199
Conference	153,674	157,465
Education and Outreach	130,594	4,739
Total Program Services	\$1,378,101	\$723,171
Supporting Services		
Administrative	144,075	80,428
Fundraising	123,808	3,645
Total Supporting Services	\$267,883	\$84,073
Total Expense	\$1,645,984	\$807,244
Change in Net Assets Before Other Item	(586,851)	(375,815)
Net (Loss) Gain on Investments	(40,548)	48,626
Change in Unrestricted Net Assets	(\$627,399)	(\$327,189)
TEMPORARILY RESTRICTED ACTIVITIES		
Change in Discount, Net	118,276	333,777
Grant Termination	-	255,206
Change in Pledged Amount	(4,000)	-
Net Assets Released from Restriction	(481,766)	(17,898)
Change in Temporarily Restricted Net Assets	(\$367,490)	\$571,085
CHANGE IN NET ASSETS	(994,889)	243,896
Net Assets, Beginning of Year	\$6,763,493	\$6,519,597
Net Assets, End of Year	\$5,768,604	\$6,763,493

Summary of 2012 Expenditures

Based on unaudited financials as of December 31, 2012



NCRG Contributors

Since its inception, almost \$25 million has been committed to the NCRG thanks to generous support from various financial donors, including gaming companies, suppliers and vendors, NCRG board members, gaming employees, related organizations and individuals. These contributions allow the NCRG to further fulfill its mission and provide the innovative research and education opportunities year after year.

The following is a list of contributors in 2012:

Gold Level

Caesars Entertainment Corporation

Gary Loveman
President, CEO and Chairman

Silver Level

International Game Technology (IGT)

Patti S. Hart
CEO

Bronze Level

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Frank J. Fertitta, III
Chairman, President and CEO

WMS Gaming, Inc.

Brian R. Gamache
Chairman and CEO

Wynn Resorts, Limited

Stephen A. Wynn
Chairman of the Board and CEO

SPECIAL DONATIONS

\$133,000

JCM Global

\$65,480

Global Gaming Expo (G2E)

Fundraising Events

Several major fundraising programs in 2012 netted significant contributions for the NCRG.

AGEM-AGA Golf Classic

The 14th annual AGEM-AGA Golf Classic, co-sponsored by the Association of Gaming Equipment Manufacturers (AGEM) and the American Gaming Association (AGA) and hosted by JCM Global, was held May 1 at Cascata in Boulder City, Nev. This year's event raised a record \$133,000 and surpassed the tournament's lifetime goal of raising \$1 million.

The following companies generously supported the event:

Title Sponsors

AGEM
AGA

Platinum Sponsor

JCM Global

Drive for \$1 Million Sponsor

Konami Gaming, Inc.

Gold Sponsor

Bally Technologies, Inc.

Media Sponsor

CEM Magazine

Silver Sponsor

MEI

Bronze Sponsor

Aristocrat Technologies, Inc.



The presentation of the proceeds from the 2012 Golf Classic to the NCRG— (l-r) Judy Patterson, senior vice president and executive director of the AGA; Frank Fahrenkopf, president and CEO of the AGA; Alan Feldman, NCRG chairman and senior vice president of public affairs at MGM Resorts International; Richard Haddrill, AGA chairman and chairman of Bally Technologies, Inc.; Marcus Prater, executive director of AGEM; Aki Isoi, CEO International Operations of JCM Global

Raffle Sponsor

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International Game Technology (IGT)
Nevada Restaurant Services, Inc. dba Dotty's
SHFL entertainment
SPIELO International
SOL Casinos
TCS John Huxley

24th Annual Gaming Hall of Fame Charity Gala and Induction Ceremony

A gaming legend, a giant of Nevada politics, the creative force behind shows up and down the Strip and one of Las Vegas' first celebrity chefs were inducted into the AGA Gaming Hall of Fame on October 23 at the Bellagio's "O" Theater and Richard MacDonald Gallery and raised \$129,000 for the NCRG.

Inductees included: Guy Laliberté, founder of the innovative Cirque du Soleil; Julian Serrano, executive chef at multiple Las Vegas Strip restaurants; Dennis Gomes, a former gaming regulator and co-owner of Resorts Atlantic City; and Sen. William Raggio, former gaming attorney and the longest serving state senator in Nevada history.

The following companies and individuals generously supported the 24th annual Gaming Hall of Fame Charity Gala and Induction Ceremony:

Major Underwriter

Southern Wine & Spirits of Nevada

Host Sponsor

MGM Resorts International

Platinum Sponsors

Bally Technologies, Inc.
Boyd Gaming Corporation
Caesars Entertainment Corporation
Cirque du Soleil
Las Vegas Convention and Visitors Authority
Las Vegas Sands Corp.
Resorts Casino and Hotel
Skip & Kristen Avansino, E. L. Wiegand Foundation

Gold Sponsors

Aristocrat Technologies, Inc.
International Game Technology (IGT)

Silver Sponsors

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Jefferies & Company, Inc.
SHFL entertainment, Inc.

Bronze Sponsors

Elmendorf Ryan
Konami Gaming, Inc.
PricewaterhouseCoopers LLP
Reed Exhibitions



Top: 2012 Gaming Hall of Fame Inductees (l-r) Guy Laliberté, Barbara Gomes (wife of Dennis Gomes), Dale Raggio (wife of Sen. William Raggio) and Julian Serrano.

Bottom: AGA President and CEO Frank Fahrenkopf, Jr. (left), and NCRG Chairman Alan Feldman (right) present Bill Boyd (center) with a Lifetime Achievement award.

Additional Programs

Global Gaming Expo donated \$65,450 to the NCRG through its annual giving campaign. Those funds represented a portion of G2E registration fees and donations from exhibitors.

NCRG Leadership

Board of Directors

The NCRG is **overseen** by a board of directors that serves as the practical, hands-on management group for the organization. Comprised of public health officials, industry executives and community leaders, the NCRG board focuses mainly on education and outreach program creation and implementation.

OFFICERS

CHAIRMAN

Alan M. Feldman

Senior Vice President of Public Affairs
MGM Resorts International

PRESIDENT

Phil Satre

Chairman
International Game Technology

PRESIDENT-EMERITUS

William S. Boyd

Executive Chairman
Boyd Gaming Corporation

SECRETARY AND TREASURER

Judy L. Patterson

Senior Vice President and Executive Director
American Gaming Association

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Sue Cox

Founding Executive Director
Texas Council on Problem and Compulsive Gambling

Jonathan S. Halkyard

Executive Vice President and Chief Financial Officer
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Kevin Mullally

General Counsel and Director of Government Affairs
Gaming Laboratories International, Inc.

Kathleen M. Scanlan

Senior Advisor, Special Projects
Massachusetts Council on Compulsive Gambling

Jennifer Shatley

Vice President, Responsible Gaming Policies and Compliance
Caesars Entertainment Corporation

Bruce A. Shear

President and CEO
Pioneer Behavioral Health

Mark Vander Linden

Executive Officer, Office of Gambling Treatment and Prevention
Iowa Department of Public Health

Andrew Zarnett

Managing Director
Deutsche Bank

**Served until December 13, 2012*

Scientific Advisory Board

The NCRG Scientific Advisory Board is composed of leading scientists in addiction and related interests, and their role is to ensure that the NCRG maintains the highest integrity in administering the research program by following rigorous standards in awarding grant funding. The board's main responsibilities are to monitor the progress of the NCRG Centers of Excellence, evaluate the project grants program and advise on the development of education initiatives.

CHAIRWOMAN

Linda B. Cottler, Ph.D., M.P.H.

*Chair and Dean's Professor of Epidemiology
Department of Epidemiology
College of Public Health & Health Professions
College of Medicine
University of Florida*

BOARD MEMBERS

Tammy Chung, Ph.D.

*Associate Professor of Psychiatry and Epidemiology
University of Pittsburgh*

Jeff Derevensky, Ph.D.

*Professor of School/Applied Psychology
Professor of Psychiatry
Co-Director, International Centre for Youth Gambling Problems
and High-Risk Behaviors
McGill University*

Mark S. Gold, M.D.

*Donald Dizney Eminent Scholar, Distinguished Professor
Chair of Psychiatry
University of Florida College of Medicine*

Miriam Jorgensen, M.P.P., Ph.D.

*Research Director, Native Nations Institute
University of Arizona
Research Director, Harvard Project on
American Indian Economic Development
Harvard University*

Lisa M. Najavits, Ph.D.

*Professor of Psychiatry
Boston University School of Medicine*

David Takeuchi, Ph.D.

*Professor, School of Social Work and Department of Sociology
University of Washington*

Ken C. Winters, Ph.D.

*Professor of Psychiatry
Director, Center for Adolescent Substance Abuse Research
University of Minnesota*

Peer Review Panel Members

The NCRG recruits distinguished researchers in the addictions field to evaluate grant proposals. The following individuals served on peer-review panels in 2012.

Tammy Chung, Ph.D.

*Associate Professor of Psychiatry and Epidemiology
University of Pittsburgh*

Alain Dagher, Ph.D.

*Associate Professor
Montreal Neurological Institute and Hospital
McGill University*

Adam Goodie, Ph.D.

*Director, Georgia Decision Lab
Associate Professor and Undergraduate Coordinator
Department of Psychology
University of Georgia*

Anneke Goudriaan, Ph.D.

*Researcher, Amsterdam Institute for Addiction Research
Academic Medical Center, University of Amsterdam*

Mark Dixon, Ph.D.

*Professor of the Behavior Analysis and Therapy Program
Southern Illinois University*

David C. Hodgins, Ph.D.

*Professor of Psychology
University of Calgary*

Scott Huettel, Ph.D.

*Professor of Psychology and Neuroscience
Director, Human Neuroeconomics Laboratory
Duke University*

Mary Larimer, Ph.D.

*Professor of Psychology
University of Washington, Seattle*

Steven LaRowe, Ph.D.

*Research Associate, Department of Psychiatry
Medical University of South Carolina*

Michael Lynskey, Ph.D.

*Associate Professor, Department of Psychiatry
Washington University*

Sherry McKee, Ph.D.

*Associate Professor of Psychiatry
Yale University*

Matthew Martens, Ph.D.

*Associate Professor, Department of Educational, School, and
Counseling Psychology
University of Missouri*

Gloria Miele, Ph.D.

*Instructor in Clinical Psychology
Training Director, Greater New York Node, NIDA's Clinical Trials
Columbia University College of Physicians and Surgeons*

Celeste Napier, Ph.D.

*Professor, Department of Pharmacology
Rush Medical Center*

Clayton Neighbors, Ph.D.

*Professor of Psychology
University of Houston*

Wendy Slutske, Ph.D.

*Professor of Psychology
University of Missouri*

Scott Stoltenberg, Ph.D.

*Assistant Professor of Psychology
University of Nebraska-Lincoln*

David Strong, Ph.D.

*Associate Professor of Psychiatry/Human Behavior
Brown University*

Stuart Usdan, Ph.D.

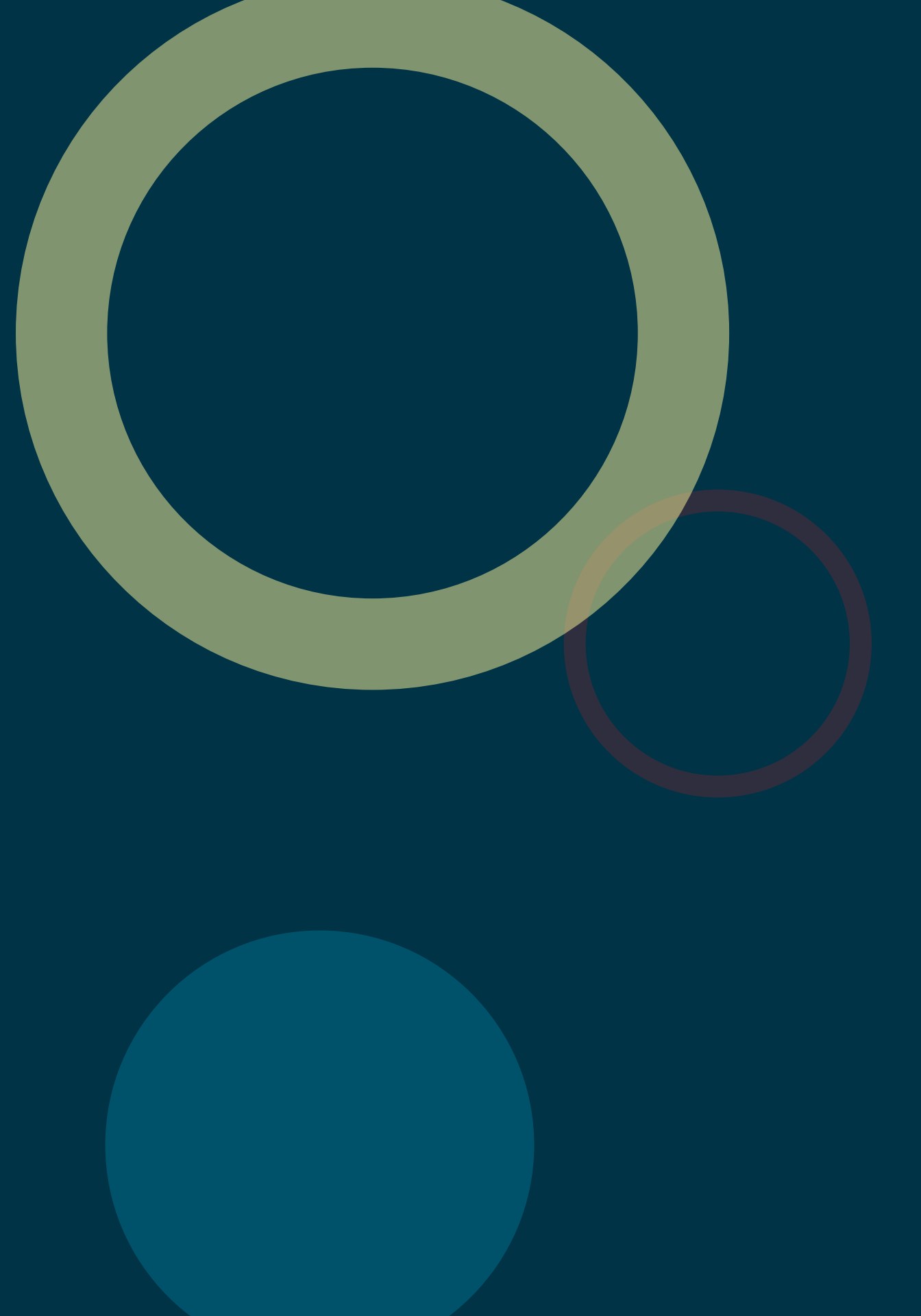
*Professor, Department of Health Science
University of Alabama*

Jared Young, Ph.D.

*Post-Doctoral Fellow, Department of Psychiatry
University of California, San Diego*

David Zald, Ph.D.

*Associate Professor of Psychology and Psychiatry
Vanderbilt University*





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