The National Center for Responsible Gaming’s (NCRG) mission is to help individuals and families affected by gambling disorder by supporting the finest peer-reviewed, scientific research on the disorder; encouraging the application of new research findings to improve prevention, diagnostic, intervention and treatment strategies; and advancing public education about gambling disorder and responsible gaming.
In 2017, the National Center for Responsible Gaming (NCRG) continued its commitment to the highest standards in research in the ongoing search for knowledge about gambling disorder. Our activities included innovative research that will answer fundamental questions about the disorder and dissemination of research findings through programs for treatment providers, researchers, students, regulators and gaming industry professionals.

Cutting-edge research funded in 2017 was led by the University of Missouri, which received support for a Center of Excellence in Gambling Research that will examine the role that genetics plays through analysis of populations studies from around the world. Another grant is exploring the impact of gambling on New Mexico through NCRG’s unprecedented partnership with the Responsible Gaming Association of New Mexico. Other grants are examining the role of traumatic brain injury, screening among participants in debt-counseling services and the role of gender differences.

The NCRG advanced the cause of expanded screening for gambling disorder through partnership with the Division on Addiction at Cambridge Health Alliance. To commemorate Gambling Disorder Screening Day in March 2017, the NCRG distributed the Brief Biosocial Gambling Screen (BBGS) in magnet form to clinicians throughout the nation. By the end of 2017, the NCRG had sent more than 5,000 magnets to treatment providers.

Dissemination of research findings took several forms. A webinar, “Introduction to Gambling Disorder,” was conducted for social workers nationally. The NCRG Conference on Gambling and Addiction explored new research on mindfulness, spirituality, a Native American recovery movement and the politics of responsible gaming. Programs designed for treatment providers were held in Illinois and New Mexico. Finally, the deliberations of the 2016 State of the Science Meeting, were distributed in the 2017 publication, *Gambling and Public Health: A Guide for Policymakers*.

None of these accomplishments would be possible without the NCRG donors, our many partner organizations and the scientists who work on NCRG-funded grants and serve on peer review panels and the Scientific Advisory Board.

On behalf of the NCRG Board of Directors, we want to express our appreciation to all who helped NCRG continue the search for knowledge that will address the needs of individuals and families affected by gambling disorder.

Sincerely,

Alan M. Feldman
Chairman of the National Center for Responsible Gaming
NCRG Board of Directors

Officers

CHAIRMAN
Alan M. Feldman
Executive Vice President of Global Industry Affairs
MGM Resorts International

PRESIDENT
Phil Satre
Vice Chairman
Wynn Resorts Ltd.

SECRETARY AND TREASURER
Christine Reilly
Senior Research Director
National Center for Responsible Gaming

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Bo Bernhard, PhD
Executive Director, International Gaming Institute
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Philip G. Satre Chair in Gaming Studies
University of Nevada, Las Vegas

Jonathan S. Halkyard
Chief Operating Officer
Extended Stay America Hotels

Thomas A. Jingoli
Executive Vice President & Chief Commercial Officer
Konami Gaming, Inc.

Mark Lipparelli
Founder
Gioco Ventures LLC
State Senator, Nevada

Kathleen M. Scanlan
Executive Director
Association of Problem Gambling Service Administrators

Katherine Spilde, PhD, MBA
Endowed Chair, Sycuan Institute on Tribal Gaming
Associate Professor
L. Robert Payne School of Hospitality & Tourism Management
San Diego State University

Mark Vander Linden
Director of Research and Responsible Gaming
Massachusetts Gaming Commission

Andrew Zarnett
Managing Director
Deutsche Bank
The 18th Annual NCRG Conference on Gambling and Addiction was held, as always, in Las Vegas right before the Global Gaming Expo (G2E) in October 2017. Our normal atmosphere of scientific collegiality was marred by the tragic mass shooting on the Strip. However, we carried on with a conference program that was able to showcase the most recent scientific research supported by the NCRG. This excellent program continues to lead the field of scientific research on gambling disorder and related issues. We are grateful for the world-class work of the scientists producing this research. We are also very fortunate to have a top-notch team that works tirelessly to make this all happen — the NCRG staff, the NCRG Scientific Advisory Board, and the NCRG Board of Directors. Together, we are all fulfilling the NCRG mission to help individuals and families affected by gambling disorder by supporting the finest peer-reviewed, scientific research.

A note of appreciation for the continuing support of the friends of the NCRG. In particular, we are grateful for the financial contributions generated by the AGEM-AGA Golf Classic which again reached a historical high level. Together, this support makes the research and education work of the NCRG possible.

Sincerely,

Russell A. Sanna, PhD
Executive Director
The gaming industry broke all previous fundraising records at the 19th annual AGEM/AGA Golf Classic Presented by JCM Global, bringing in an astounding $155,000. Proceeds directly benefit research conducted by the National Center for Responsible Gaming. To date, the Golf Classic has raised more than $1.7 million to advance the NCRG’s research.

A total of 144 players joined 21 sponsors in supporting the Golf Classic. Premier sponsors included the Association of Gaming Equipment Manufacturers (AGEM), the American Gaming Association (AGA), Crane Payment Innovations (CPI), Global Gaming Expo (G2E), GGB Magazine, JCM Global, Konami Gaming and Scientific Games.

Since 1996, more than $27 million has been pledged to the NCRG thanks to the generous support of gaming operators and gaming-related manufacturers and businesses. The following companies were contributors to the NCRG in 2017.

**2017 NCRG Annual Donors**

$300,000+
MGM Resorts International*
Las Vegas Sands Corp.*
Responsible Gaming Association of New Mexico

$100,000 - 199,000
JCM Global

$50,000 - 99,000
Rush Street Gaming
Boyd Gaming Corporation
Station Casinos, Inc.
Penn National Gaming*

**SPONSOR**

$10,000 - 49,000
Sandia Resort & Casino
Cosmopolitan of Las Vegas
Illinois Association of Licensed Terminal Operators
Konami Gaming
Pinnacle Entertainment*

**OTHER CONTRIBUTORS**

Full House Resorts ($5,000)
Tropicana Entertainment ($5,000)
Paragon Gaming ($5,000)
Delaware North ($5,000)
Action Gaming ($2,500)

**INDIVIDUAL DONORS**

Alan Feldman
Jonathan Halkyard
Steven Scuderi
John Sanna
Russell Sanna, PhD
Katherine Spilde, PhD, MBA

**MEMBERS**

Oklahoma Lottery ($1,500)
Massachusetts Gaming Commission ($1,500)
Maryland Lottery ($1,500)
Indiana Lottery ($2,500)
New Jersey Lottery ($2,500)

* Denotes multi-year pledge.

Above amounts include pledged gifts and contributions through conference sponsorships.
2017 Conference Sponsors

Special thanks to our host sponsor, Las Vegas Sands Corp.

PLATINUM

GOLD

SILVER

BRONZE

Thanks also to Global Gaming Expo and the American Gaming Association for their support of the NCRG Conference on Gambling and Addiction.
Building the Knowledge Base on Gambling Disorder:

NCRG Research

2017 NCRG Research Awards

NCRG Center of Excellence in Gambling Research: Unique Research Opportunities in the Genetics and Epidemiology of Disordered Gambling

Wendy S. Slutske, PhD, of the University of Missouri, was awarded $396,559 for a Center of Excellence that will take on the challenge of conducting community-based studies of disordered gambling (DG) through a unique suite of six community-based studies of DG. Together, these projects will answer the following pressing questions about the etiology and epidemiology of DG: (1) is living in a disadvantaged neighborhood a (potentially malleable) environmental cause of DG?; (2) where among the ~20,000 genes in the human genome are the variants associated with the risk for DG? (3) do the genetic variants associated with DG overlap with the genetic variants associated with the risk for alcohol, nicotine, and cannabis use disorders and individual differences in personality traits? (4) what is the long-term stability of DG? and (5) are the correlates of DG similar across the lifespan (i.e. in the 20's, 30's, and 40's)? The projects include secondary analyses of data from (a) two Australian twin cohorts (with a high prevalence of DG), (b) a large longitudinal study conducted in the UK, (c) a large longitudinal study conducted in the US (d) a large Swedish epidemiologic study (the largest community-based study of DG yet conducted), and (e) a large longitudinal study of a complete New Zealand birth cohort (the longest longitudinal follow-up of DG yet conducted).

Problem Gambling in New Mexico: A Study of At-risk Youth and Adults

Martha W. Waller, PhD, of HBSA, a supporting organization of Pacific Institute for Research and Evaluation, was awarded $291,868 to explore the impact of gambling on New Mexico. Funding for this grant was provided by the Responsible Gaming Association of New Mexico Grant. The aim of the project is to examine gambling behavior among adolescents and adults across New Mexico with specific focus on subpopulations of race/ethnicity, military involvement, parents of minors, sexual minorities, housing unstable and college students. Building on existing long-term relationships with prevention communities across the state, the investigators are using a culturally competent, mixed-methods data collection approach to gather data from youth and adults across all regions of the state including rural, frontier, tribal, and urban locations to estimate problem gambling prevalence and statistically model the association with co-occurring risk and protective factors.

Increased Gambling-like Behavior after Experimental Traumatic Brain Injury: A Dopamine Reduction Hypothesis

Cole Vonder Haar, PhD, of West Virginia University, was awarded $34,413 to understand the factors that lead to the development of gambling disorder after brain injury through a study of the
decision-making abilities of brain-injured rats. The first aim of the study is to determine the value of dopaminergic therapy (that is, FDA-approved for another indication) for improving probability-based decision making. The second aim will determine whether the salience of the smaller reward is diminished, or if the rats are insensitive to punishment. This study addresses an important issue — gambling disorders/impaired decision-making in TBI, a relatively understudied phenomenon.

**At-risk Gambling in Credit Counseling: Prevalence and Feasibility of Brief Intervention**

Paul Sacco, PhD, of the University of Maryland, Baltimore, was awarded $34,500 to (1) pilot screen for problem gambling in a sample of adults who seek services from a national consumer credit counseling organization; (2) compare prevalence of at-risk gambling in consumer credit counseling users to national estimates; and (3) evaluate the perceived acceptability and feasibility of gambling screening from the perspective of credit counselors.

**The Role of Recovery Capital and Gender Differences in Recovery from Gambling Disorder — A Mixed Methods Design**

Belle Gavriel-Fried, PhD, of Tel Aviv University, was awarded $34,500 to fulfill the following aims: (1) Examine the applicability of the concept of Recovery Capital to recovery from gambling addiction; and (2) probe gender differences in relation to their recovery and recovery capital. One-hundred and forty individuals who terminated treatment of gambling disorders in the previous 1-5 years are being asked to complete questionnaires including the gambling follow-up scale, the DSM-5 GD, the Assessment of Recovery Capital, and 3 open-ended questions.
**Impulsivity Traits in Combination with Acute Stress: Is there a Connection with Propensity for Gambling?**

Natale Canale, PhD, PsyD, of the University of Padova, was awarded $897 for a Travel Grant to present orally at the 2017 meeting of the Self-Regulation Health pre-conference in conjunction with the EASP.

**1) Altered Reward Processing as a Vulnerability for Gambling Disorder: A Functional MRI study in Unaffected Siblings; 2) fMRI Investigations of Impulsivity and Cognitive Distortions in Gambling Disorder**

Eve H. Limbrick-Oldfield, PhD, of the University of British Columbia, was awarded a Travel Grant of $1,500 to present at the annual meeting of the Society of Biological Psychiatry.

---

**Peer Review Panel Members**

To ensure the highest possible standards in the grants program, the NCRG recruits distinguished researchers in the addiction field to evaluate grant proposals. The following individuals served on NCRG peer review panels in 2017.

- **Kiara Alvarez, PhD**
  Instructor in Medicine
  Disparities Research Unit
  Massachusetts General Hospital

- **Iris Balodis, PhD**
  Assistant Professor
  Department of Psychiatry and Behavioural Neurosciences
  DeGroote School of Medicine, McMaster University

- **Heather M. Gray, PhD**
  Associate Director of Academic Affairs
  Division on Addiction, Cambridge Health Alliance
  Instructor in Psychiatry
  Harvard Medical School

- **Seth Himelhoch, MD, MPH**
  Professor of Psychiatry
  University of Maryland School of Medicine

- **Scott A. Huettel, PhD**
  Professor in the Department of Psychology and Neuroscience
  Duke University

- **Andrew Kayser, MD, PhD**
  Associate Professor of Neurology
  University of California, San Francisco

- **David Kearns, PhD**
  Associate Professor of Psychology
  American University

- **Debi A. LaPlante, PhD**
  Director of Research and Academic Affairs
  Division on Addiction, Cambridge Health Alliance
  Assistant Professor in Psychiatry
  Harvard Medical School

- **Matthew P. Martens, PhD**
  Division Executive Director, Professor Department of Educational, School & Counseling Psychology
  University of Missouri, Columbia

- **Lisa M. Najavits, PhD**
  Director, Treatment Innovations

- **Clayton Neighbors, PhD**
  Professor of Psychology
  University of Houston

- **Sarah Nelson, PhD**
  Associate Director of Research
  Division on Addiction, Cambridge Health Alliance
  Assistant Professor in Psychiatry
  Harvard Medical School

- **Caitlin Orsini, PhD**
  Postdoctoral Fellow
  University of Florida, Gainesville

- **Amanda Persons, PhD**
  Assistant Professor of Psychiatry
  Rush University

- **Marc Potenza, MD, PhD**
  Professor of Psychiatry, Neuroscience and Child Study
  Yale University School of Medicine

- **Paul Sacco, PhD, LCSW**
  Associate Professor
  University of Maryland School of Social Work

- **Steven Schinke, PhD**
  D’Elbert and Selma Keenan Professor of Social Work
  Columbia University School of Social Work

- **Krishna Vaddiparti, PhD**
  Research Assistant Professor of Epidemiology
  University of Florida, Gainesville

- **Jeremiah Weinstock, PhD**
  Associate Professor of Psychology
  Saint Louis University

- **Catharine Winstanley, PhD**
  Associate Professor, Department of Psychology
  The University of British Columbia, Vancouver Campus

- **Catherine Woodstock Striley, PhD, MSW, MPE**
  Assistant Professor of Epidemiology
  University of Florida, Gainesville

- **David Zald, PhD**
  Cornelius Vanderbilt Professor of Psychology and Professor of Psychiatry
  Vanderbilt University
NCRG-FUNDED PUBLICATIONS RELEASED IN 2017

Publication in influential, competitive journals is the hallmark of scientific excellence. Since 1996, NCRG-funded research has produced more than 350 articles in peer-reviewed journals. The following publications of NCRG-funded studies were released in 2017.


Attendees at the 2017 conference explored mindfulness, spirituality, a Native American recovery movement, the politics of responsible gaming, educating employees and patrons about responsible gaming and screening for gambling disorder in real-world settings.

We were delighted that many participants found new insights and ideas that will enhance their work:

“I believe I derived the most lessons from the Craving, Mindfulness & Gambling session with Dr. Hedy Kober. I found it very interesting because mindfulness in treatments for gambling disorder is a relatively novel topic. Dr. Kober was able to have us practice mindfulness and meditation by pausing for a moment and thinking about the different sensations of our body. We were focusing on breathing steadily and specific parts of our bodies like the toes, shoulders, etc. I think the idea of a mental health break and using moments of quietness are important during stressful and busy daily routines. Being able to reflect and look inward through mindfulness is something I will try to apply and do more often because it felt personally relaxing and refreshing. Mindfulness may have profound effects for the treatment of gambling disorder and this can also extend to clinicians or other healthcare providers. Taking a mental health break is important for reaching a positive perspective on life despite the demands or stressors of the environment.”

“I felt like I benefitted from the experience since it was my first NCRG Conference and I was able to learn about the different challenges to gambling disorder. Most importantly, I really enjoyed the networking and learning about our community of scholars. I was able to speak with students from Canada and different parts of the US about the research they were conducting. I felt it was very engaging to be a part of this social community and speak with others about how they were involved with gambling studies.”

“I really got a lot out of the Case Studies: Co-occurring disorder among treatment seekers at community addiction clinics. The main lesson I got was to be pro-active. I liked that they did the screening before the casino was built in the area. I think if screenings were done as part of intake whether at a primary care offices as well as intake for treatment that the percentage that the scope of the problem will increase.”
EDUCATION AND OUTREACH CONTINUED

The NCRG Conference on Gambling and Addiction annually showcases new research on gambling disorder through the poster session. In 2017, the poster session/welcome reception was sponsored by the Las Vegas Sands Corporation. A committee of researchers examined 34 posters and selected the following for recognition:

**Outstanding Poster**
“The effects of sensory reward-enhancing stimuli on risky choice in healthy volunteers: The role of individual differences in cue sensitivity”; lead author: Mariya Cherkasova, University of British Columbia

**Honorable Mention**
“Problem gambling among Asian/Asian-American college students”; lead author: Dipali Rinker, University of Houston

**Honorable Mention**
“Prime cues and optogenetic inhibition of the frontal cortex generate shifts in risky decision-making”; lead author: Mike Robinson, Wesleyan University

18TH ANNUAL NCRG CONFERENCE ON GAMBLING AND ADDICTION PLANNING COMMITTEE

Thanks to the following individuals for committing their time and expertise to the development of the content for the 18th annual NCRG Conference.

Maria Christina Annaloro
Director of Government Relations & Social Sciences
Las Vegas Sands Corporation

Bo Bernhard, PhD
Philip G. Saier Chair in Gaming Studies
Executive Director, International Gaming Institute
University of Nevada, Las Vegas

Daniel Blackwood
Executive Director
The Evolution Group

Bethany Bray, PhD
Outreach Director
The Methodology Center
Pennsylvania State University

Peter Cohen
Director, Regulatory Affairs
The Agenda Group

Joseph J. Coyne, PhD, LCADC
Board Member
American Psychological Association
Chair
American Psychological Association, Council Leadership Team

Stacey Frohnapfel-Hasson, MPA
Chief, Problem Gambling Services
Ohio Dept. of Mental Health & Addiction

Jon E. Grant, JD, MD, MPH
Professor, Department of Psychiatry & Behavioral Neuroscience
University of Chicago Pritzker School of Medicine

Raymond F Hanbury, PhD, ABPP
Chief Psychologist
Hackensack Meridian Health System

Dean Hestermann
Corporate Director, Public Affairs
Caesars Entertainment Corporation

Connie Jones
Director of Responsible Gaming
Association of Gaming Equipment Manufacturers (AGEM)

Linda Marx, LMFT, LCDC
Marriage and Family Therapist

Gloria Miele, PhD
Learning Collaborative Coordinator
CA Hub and Spoke MAT Expansion Project
UCLA

Victor Ortiz, MSW
Director
Problem Gambling Services
Massachusetts Department of Public Health

Marc N. Potenza, MD, PhD
Professor of Psychiatry, Child Study and Neurobiology
Founding Director, Problem Gambling Clinic
Yale University School of Medicine

Christine Reilly, MA
Senior Research Director
National Center for Responsible Gaming

Kathleen M. Scanlan, MA
Executive Director
Association of Problem Gambling Service Administrators

Steve Scuderi, ADN, RN
Registered Nurse
 Advocate Healthcare of Illinois, Lutheran General Hospital

Katherine Spilde, PhD, MBA
Endowed Chair, Sycuan Institute on Tribal Gaming
Associate Professor, School of Hospitality and Tourism Management
San Diego State University
Year-Round Educational Opportunities

2017 WEBINAR

TREATMENT PROVIDER WORKSHOPS AND PROGRAMS
Evidence-based Topics on Gambling and Addiction
The NCRG and Sandia Resort & Casino teamed up to provide a two-day conference for treatment providers in New Mexico on March 22-23, 2017.

Christine Reilly presented on “Understanding Gambling Disorder” at the June 2 conference sponsored by the Illinois Council on Problem Gambling.

Screening for Gambling Disorder - March 2017
The NCRG participated in the National Gambling Disorder Screening Day, led by the Division on Addiction at Cambridge Health Alliance, by distributing magnets imprinted with the 3-question Brief Biosocial Gambling Screen. By the end of 2017, the NCRG had distributed more than 5,000 magnets to treatment providers.

THE NCRG ON THE INTERNET
In 2017, the NCRG’s website traffic was 37,000 web site visits and 76,430 page views.

**Brief Biosocial Gambling Screen**

A “yes” answer to any of the questions below means the person is at risk for developing a gambling problem.

1. During the past 12 months, have you become restless, irritable or anxious when trying to stop/cut down on gambling? YES  NO
2. During the past 12 months, have you tried to keep your family or friends from knowing how much you gambled? YES  NO
3. During the past 12 months, did you have such financial trouble as a result of your gambling that you had to get help with living expenses from family, friends or welfare? YES  NO
The following Summary of Financial Position and Statements of Activities are from the 2017 audit, conducted by Tate & Tryon.

### Statements of Financial Position

<table>
<thead>
<tr>
<th>December 31</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ASSETS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash and cash equivalents</td>
<td>$ 2,056,696</td>
<td>$ 2,491,504</td>
</tr>
<tr>
<td>Investments</td>
<td>133,631</td>
<td>132,457</td>
</tr>
<tr>
<td>Accounts receivable</td>
<td>21,298</td>
<td>86,701</td>
</tr>
<tr>
<td>Grants receivable</td>
<td>1,723,958</td>
<td>886,174</td>
</tr>
<tr>
<td>Other assets</td>
<td>19,243</td>
<td>21,080</td>
</tr>
<tr>
<td><strong>Total assets</strong></td>
<td><strong>$ 3,954,826</strong></td>
<td><strong>$ 3,617,916</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>LIABILITIES AND NET ASSETS</strong></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Liabilities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounts payable and accrued expenses</td>
<td>$ 25,996</td>
<td>$ 33,615</td>
</tr>
<tr>
<td>Grants payable</td>
<td>1,491,710</td>
<td>1,123,897</td>
</tr>
<tr>
<td><strong>Total liabilities</strong></td>
<td><strong>1,517,706</strong></td>
<td><strong>1,157,512</strong></td>
</tr>
<tr>
<td>Net assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unrestricted</td>
<td>713,162</td>
<td>1,574,230</td>
</tr>
<tr>
<td>Temporarily restricted</td>
<td>1,723,958</td>
<td>886,174</td>
</tr>
<tr>
<td><strong>Total net assets</strong></td>
<td><strong>2,437,120</strong></td>
<td><strong>2,460,404</strong></td>
</tr>
</tbody>
</table>

**Total liabilities and net assets** | $ 3,954,826 | $ 3,617,916
## Statement of Activities

### Year Ended December 31,

**UNRESTRICTED ACTIVITIES**

<table>
<thead>
<tr>
<th>Revenue and Support</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributions</td>
<td>$183,347</td>
<td>$162,000</td>
</tr>
<tr>
<td>Golf tournament</td>
<td>155,00</td>
<td>140,000</td>
</tr>
<tr>
<td>Conference</td>
<td>128,693</td>
<td>140,898</td>
</tr>
<tr>
<td>Other income</td>
<td>26,125</td>
<td>4,065</td>
</tr>
<tr>
<td>Investment income</td>
<td>6,029</td>
<td>1,726</td>
</tr>
<tr>
<td><strong>Net assets released from restriction</strong></td>
<td><strong>435,163</strong></td>
<td><strong>757,000</strong></td>
</tr>
<tr>
<td><strong>Total unrestricted revenue and support</strong></td>
<td><strong>934,357</strong></td>
<td><strong>1,205,689</strong></td>
</tr>
</tbody>
</table>

**Expense**

<table>
<thead>
<tr>
<th>Program services</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research grants program</td>
<td>1,138,856</td>
<td>794,565</td>
</tr>
<tr>
<td>Conference</td>
<td>124,847</td>
<td>120,658</td>
</tr>
<tr>
<td>Education and outreach</td>
<td>28,806</td>
<td>43,362</td>
</tr>
<tr>
<td>Communications</td>
<td>3,172</td>
<td>10,530</td>
</tr>
<tr>
<td><strong>Total program services</strong></td>
<td><strong>1,295,681</strong></td>
<td><strong>969,115</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Supporting services</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative</td>
<td>358,211</td>
<td>373,295</td>
</tr>
<tr>
<td>Fund raising</td>
<td>141,210</td>
<td>93,678</td>
</tr>
<tr>
<td><strong>Total supporting services</strong></td>
<td><strong>499,421</strong></td>
<td><strong>466,973</strong></td>
</tr>
<tr>
<td><strong>Total operating expense</strong></td>
<td><strong>1,795,102</strong></td>
<td><strong>1,436,088</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Change in unrestricted net assets</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>from operations</td>
<td>(860,745)</td>
<td>(230,399)</td>
</tr>
<tr>
<td>Cancelled grants</td>
<td>-</td>
<td>37,347</td>
</tr>
<tr>
<td>Net (loss) gain on investments</td>
<td>(323)</td>
<td>33,553</td>
</tr>
<tr>
<td><strong>Change in unrestricted net assets</strong></td>
<td><strong>(861,068)</strong></td>
<td><strong>(159,499)</strong></td>
</tr>
</tbody>
</table>

**TEMPORARILY RESTRICTED ACTIVITIES**

| Contributions                        | 1,332,163  | 1,305,000  |
| Change in discount                   | (59,216)   | (33,826)   |
| Net assets released from restriction | (435,163)  | (757,000)  |
| **Change in temporarily restricted net assets** | **837,784** | **514,174** |

### CHANGE IN NET ASSETS

<table>
<thead>
<tr>
<th>Net assets, beginning of year</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net assets, end of year</td>
<td>2,437,120</td>
<td>2,460,404</td>
</tr>
</tbody>
</table>
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 for education and outreach initiatives, while the bulk of the funds are distributed to research projects as directed by the independent Scientific Advisory Board (SAB) and peer-review panels.

SAB 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 SAB, an independent committee of some of the field’s leading experts. A peer-review panel is assembled to evaluate the proposals, based on criteria 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 seminal, long-range research on gambling disorder.

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

Peer-reviewed Scientific Journals
After the research has been completed, the investigator 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 388 articles in such journals. The NCRG board and its funders learn about the research findings after they have been published.