A STORY OF INNOVATION

2014 Annual Report
ABOUT EPILEPSY

When a person has two or more unprovoked seizures, he or she has epilepsy, which affects nearly 3 million people in the United States and 65 million people worldwide. This year, another 150,000 people in our country will be diagnosed with epilepsy. Despite all available treatments, four out of 10 people with epilepsy continue to experience uncontrolled seizures and many more experience less than optimal seizure control.

ABOUT THE EPILEPSY FOUNDATION

The Epilepsy Foundation, a national non-profit with nearly 50 local organizations throughout the United States, has led the fight against seizures since 1968. The Foundation is an unwavering ally for individuals and families impacted by epilepsy and seizures. The mission of the Epilepsy Foundation is to stop seizures and sudden unexpected death in epilepsy (SUDEP), find a cure, and overcome the challenges created by epilepsy through efforts including education, advocacy, and research to accelerate ideas into therapies. The Foundation works to ensure that people with seizures have the opportunity to live their lives to their fullest potential.

For additional information, please visit www.epilepsy.com.

“Like” the Epilepsy Foundation on Facebook at www.facebook.com/epilepsyfoundationofamerica and follow us on Twitter at @epilepsyfdn.

WAYS TO GIVE

Honorariums and Memorials: Give a Gift of Hope
Make a donation to celebrate a loved one’s special occasion, such as a birthday, anniversary, or wedding, or to recognize the courage of a friend or relative who is living with epilepsy. When an “In Honor” gift is received, the Epilepsy Foundation will send a personalized tribute/honorarium letter to the person or family you designate notifying them of your thoughtful donation, but not revealing the amount of the donation.

Monthly Gift
Making a monthly gift is an easy way for you to make a difference every day. By making an automatic tax-deductible gift each month on your credit or debit card, you provide strong and steady funding to help those who need it most. After signing up on our website, your specified donation amount will be charged to your credit or debit card. Moving forward, your card will be charged each month. You choose the amount of your gift and can modify or cancel your donation at any time. Your monthly gift allows us to limit our overhead costs and apply your contribution where it is needed most. Monthly contributions are critical to the success of our work.

Matching Gifts
You can double the impact of your gift! Many corporations have matching gift programs and will match your donation to accredited charitable organizations such as the Epilepsy Foundation. It’s an easy way to double or even triple the impact of your personal contribution to find a cure and overcome the challenges created by epilepsy. Ask your employer if they participate in a matching gift program and complete the necessary paperwork to have your gift matched.

Stock Gifts
Donating securities to the Epilepsy Foundation is a way to help us move closer to improving the lives of those living with epilepsy and ultimately finding a cure. Giving appreciated assets is one of the most tax-efficient ways to make charitable donations. If you transfer the shares before December 31, you may claim the charitable deduction in the same year.

Estate Planning
A bequest from a will or a living trust lets you make a gift of any size to the Epilepsy Foundation. When making a planned gift, you allow us to invest in new endeavors to support those living with epilepsy and help to ensure the Foundation is here for decades to come. By doing so you are able to receive a current income tax deduction and reduce your potential estate taxes in the future.

CFC/CHC
The Epilepsy Foundation participates in the world’s largest workplace charity campaign, the Combined Federal Campaign (CFC). Through the CFC, government workers and those in the military can support the work of the Epilepsy Foundation through payroll deductions. If you are a federal government employee and are interested in giving to the Epilepsy Foundation through the CFC, please designate code #10568 on your pledge card.

Many private sector companies also participate in workplace giving campaigns. If your employer allows charitable giving through payroll deductions today, designate the Epilepsy Foundation using #10568 on your pledge card or give through Community Health Charities (CHC) online at www.healthcharities.org.

Corporate and Foundation Partners
Corporations and foundations that partner with the Epilepsy Foundation distinguish their organizations as socially responsible and earn the gratitude and loyalty of people living with epilepsy, their families, friends, and caregivers.

Do-It-Yourself (DIY) Fundraising
Host and fundraise for any event through the Epilepsy Foundation’s DIY program. Epilepsy Foundation supporters are hosting theme parties, concerts, art auctions, and much more — all to bring awareness to epilepsy. Start your own fundraising endeavor today.

Vehicle Donation
Did you know you can earn a charitable income tax deduction by donating an automobile, RV, truck, boat, or trailer to the Epilepsy Foundation? You’ll avoid the costs and hassle of selling a used vehicle and we’ll tow your vehicle for free. You must own a clear title to donate an automobile, RV, truck, boat, or trailer to the Epilepsy Foundation. Ask your employer if they participate in a matching gift program and complete the necessary paperwork to have your gift matched.

Clothing Donation
The Epilepsy Foundation and Savers, Inc., a leading privately held thrift store chain with more than 320 locations, are working together to advance access to care and raise much needed funds to help people living with epilepsy. Contributions of gently used items are part of the simple, convenient, yet impactful way for people to support the Epilepsy Foundation. The partnership means Savers pays the Epilepsy Foundation for every donation of clothing, housewares, furniture, and much more.

QUESTIONS?

For more information about any of these ways to give, contact Donor Services at (800) 213-5321 or email rdev@efa.org.
## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Letter</td>
<td>1</td>
</tr>
<tr>
<td>Introduction</td>
<td>2</td>
</tr>
<tr>
<td>New Therapies Research</td>
<td>4</td>
</tr>
<tr>
<td>epilepsy.com</td>
<td>15</td>
</tr>
<tr>
<td>Advocacy &amp; the Jeanne A. Carpenter Epilepsy Legal Defense Fund</td>
<td>16</td>
</tr>
<tr>
<td>Community Services and Educational Programs</td>
<td>19</td>
</tr>
<tr>
<td>National Walk for Epilepsy</td>
<td>24</td>
</tr>
<tr>
<td>Public Awareness</td>
<td>26</td>
</tr>
<tr>
<td>Local Epilepsy Foundations</td>
<td>29</td>
</tr>
<tr>
<td>Board of Directors</td>
<td>31</td>
</tr>
<tr>
<td>Professional Advisory Board</td>
<td>32</td>
</tr>
<tr>
<td>Business Advisory Board</td>
<td>34</td>
</tr>
<tr>
<td>Scientific Advisory Board</td>
<td>35</td>
</tr>
<tr>
<td>Corporate and Foundation Partners for Fiscal Year 2014</td>
<td>38</td>
</tr>
<tr>
<td>Candle of Light Society</td>
<td>39</td>
</tr>
<tr>
<td>Keepers of the Flame Society</td>
<td>40</td>
</tr>
<tr>
<td>Financial Report</td>
<td>44</td>
</tr>
</tbody>
</table>
From the Chair of the Board and the President and CEO

The nearly 3 million people living with epilepsy in the United States deserve to have better access to care, better therapies, stronger community services, expanded educational opportunities about their condition, and stronger public awareness efforts. The Epilepsy Foundation is dedicated to achieving all of these goals through innovation, passion, and commitment to the people we serve.

Epilepsy is unlike any other chronic condition in that each case varies dramatically from individual to individual. It has medical, social, and comorbidity factors and can come on at any time of anyone’s life. Epilepsy is characterized by seizures that are unpredictable in nature, difficult to define, and, for one-third of people with the condition, currently impossible to treat. For many others, treatment results in a poor quality of life.

The Epilepsy Foundation’s mission, to help all people impacted by epilepsy regardless of age, seizure type, or severity, is unique in the United States. We support our stakeholders by advancing new therapies research, advocating for treatments and public policies that will not infringe on civil rights, providing consumer and medical education, creating community services, and building broad-based public awareness campaigns.

Our mission is not small, but through innovative technologies we are providing more individualized services. This year we launched the new epilepsy.com, which allows direct peer-to-peer connection between individuals and families living with epilepsy — and also provides direct connection with experts in the field.

The new site reaches millions of people a year, and, along with our social media platforms, we can reach thousands every day with continuous interaction and support.

The Foundation has rededicated itself to ensuring that people with epilepsy have the opportunity to receive the best treatments and therapies in a timeframe that matters to those impacted by the condition. We have had a supporting influence on more than half of the epilepsy therapies available today — including helping four new therapies directly get over the finish line for use by people living with seizures.

The spectrum of epilepsy unfortunately can include death. Sudden unexpected death in epilepsy (SUDEP) has been too little understood or even discussed. The Foundation’s SUDEP Institute focuses on educating medical professionals about how to identify risks of SUDEP. Our Institute also encourages more discussion among medical professionals and families living with epilepsy and provides grief support to families who have suffered the ultimate loss to epilepsy.

Wellness tactics are a key factor in achieving the best control of seizures. This year the Foundation built a series of services designed to improve wellness through art therapy, stress management, and nutrition.

We are fortunate and very thankful to have a dedicated group of donors, experts, and loved ones who regularly support our mission. Without their engagement, we would not be able to continue to build innovative and distinct programs and services that help make a daily difference in millions of lives.

Thank you,

Philip M. Gattone MEd
President and CEO

Warren Lammert
Chair, Board of Directors
INTRODUCTION

The Epilepsy Foundation is an unwavering ally to help all people impacted by epilepsy and seizures. Throughout this report, we will share stories of how the Foundation has made a difference through innovation and service.

Epilepsy & Seizures Helpline Connects Families with Resources

In October 2014, Lisa contacted the Epilepsy & Seizures 24/7 Helpline seeking assistance for her 21-year-old son who was no longer eligible for Medicaid and was in need of his anti-seizure medication. Go to page 21 to read how the Epilepsy Foundation helped Lisa.

Creating SUDEP Awareness and Remembering Those Lost to Seizures

Lauren Jones lost her husband, Gabe Jones, to sudden unexpected death in epilepsy (SUDEP) in June 2013. Go to page 21 to read how the Epilepsy Foundation’s SUDEP Institute connected her with a grief counselor and other families, provided her with answers, and helped her raise awareness.

Young Adults Find Connection and Aim to Improve Lives

For three days in July, 20 young adults ranging in age from 21 to 29 came together in Washington, D.C., to identify a project the group could spearhead that would improve the lives of other young adults living with epilepsy. Go to page 23 to read about the young adults at this summit.
Amanda Kent: A Teen Who Speaks Up
Amanda Kent writes about her experience attending the Teens Speak Up! program where she shared her story with other teens, participated in advocacy training, and then went to Capitol Hill to talk with legislators about the challenges of living with epilepsy. Go to page 18 to read about Amanda’s experience at TSU!

Social Media: Sharing Successes and Finding Support
In December 2013, proud mom Tamikko shared via Facebook that her son Eric, one of the Epilepsy Foundation’s National Walk for Epilepsy Heroes of 2013, had been seizure-free for two years. Go to page 27 to read about this family’s fight against seizures and how the Epilepsy Foundation’s social media is helping them and others.

Research Grants Foster Young Talent Searching for Better Treatments
Two researchers share how the grants they received from the Epilepsy Foundation furthered their professional development and are helping them find new, innovative treatments for seizures. Go to page 6 to read about Dr. Dan Friedman, Christopher Makinson, and their projects.
NEW THERAPIES RESEARCH

One of the Epilepsy Foundation’s key strategic priorities is to invest in the development of new therapies for people with seizures in a timeframe that matters. We believe that the future of epilepsy research and innovation depends on attracting the best minds in multiple fields of inquiry to the study of seizures and on driving new technologies and treatment options to market. To do just that, the Foundation offers a series of grants, fellowships, and awards in basic, clinical, and behavioral science to researchers and scientists at the beginning of their careers. The Foundation also offers funding opportunities to established investigators for targeted research initiatives and new therapies for epilepsy, accelerating the advancement of research from the laboratory to the person with epilepsy. A highlight of the year is the Foundation’s Epilepsy Pipeline Conference, which brings together a stellar lineup of therapeutic and medical device creators, clinical investigators, and industry leaders to present the latest therapies in the pipeline.

EPILEPSY PIPELINE CONFERENCE

The 4th Biennial Epilepsy Pipeline Conference took place on June 5 to 7, 2014, in San Francisco. The event brought together a stellar lineup of therapeutic and medical device creators, clinical investigators, and industry leaders presenting the latest therapies in the development pipeline.

The conference highlighted the most pressing issues faced by the epilepsy community today: how to accelerate research innovation to the next stage and the urgent unmet need for new therapies for the millions of people who are not receiving adequate seizure control. All three days of the conference were streamed live on epilepsy.com where they are still available for on-demand viewing.

Presenting companies and organizations were chosen by the Epilepsy Foundation’s prestigious Scientific and Business Advisory Boards. Day 1 opened with remarks from Philip Gattone, CEO and president of the Epilepsy Foundation, followed by keynote addresses from Warren Lammert, Foundation chair, and Jacqueline French, MD, co-chair of the Pipeline Conference and professor of neurology, New York University. Throughout the first two days, participants attended sessions including:

- Keynote: Annual State of the Drug and Device Pipeline
- What Was Better in 2013: Progress in Epilepsy Therapy
- Early-Stage Drug Pipeline: Proof of Principle through IND
- Early-Stage Diagnostic Devices and Product Pipeline: New Concepts and Initial Findings
- Late-Stage and Approved Devices: What Is New?
- Nonprofit Organization, Government, and Crowdfunding: Grants and Award Opportunities to Advance Research to the Next Critical Stage
- New Directions and Opportunities in Epilepsy Research
- The Role of Corporate and Government Partnerships in Developing New Epilepsy Products
- Clinical Stage Drugs
- Who Is Investing in Epilepsy and CNS Therapy Research and Innovation Today? Funding Beyond Angels, Grants, and Awards

The Epilepsy Foundation’s Pipeline Conference is recognized as the premier business and scientific forum for driving innovation in the field of epilepsy and neurology. Each year, this conference brings together great minds in R&D, clinical thought leaders, investors, and industry leaders who are focused on accelerating epilepsy drug and device development.

Philip Gattone, president and CEO, Epilepsy Foundation
Shark Tank Competition

A much anticipated attraction of the conference was the third annual “Shark Tank” competition where inventors and entrepreneurs are incentivized to pursue products, therapeutics, or technologies with the promise of improving treatment and quality of life for people living with epilepsy.

The Shark Tank judges selected two of the awardees, and a third “People’s Choice” winner was selected by the audience. (See the list of winners and finalists on page 9.) Judges presiding over this year’s Shark Tank represented a breadth of perspectives including industry, investors, advocacy, and the research and medical communities. Jim Abrahams, the director of films including “Airplane!” and “The Naked Gun,” served as one of our Sharks. Abrahams is the founder and executive director of The Charlie Foundation. Other sharks included Ari Mackler PhD, MBA from POM Wonderful; former Epilepsy Foundation Board Chair Martha Morrell MD; former Epilepsy Foundation Youth Council leader Andrew Smith; and Elson So MD, president of the American Epilepsy Society.

Family Day

The third day of the conference, “Family Day,” was designed for people with epilepsy, families, and advocates. This free, educational offering highlighted advances in seizure medications, surgery, devices, medical cannabis, dietary therapies, and changing thoughts about exercise and wellness. Many different perspectives were shared to help people become empowered, have hope for their future, and find help.

ACCELERATOR AWARD

On June 5, 2014, H. Steven White PhD, professor of pharmacology and toxicology and principal investigator of the National Institutes of Health (NIH)-sponsored Anticonvulsant Drug Development (ADD) Program at the University of Utah College of Pharmacy, was presented the 2014 Epilepsy Foundation Lifetime Accelerator Award. The Foundation presented Dr. White with this honor in recognition of his commitment and pioneering contributions to the field of epilepsy and seizures.

A leader in translational research in anticonvulsant drug therapies, Dr. White is well-recognized for his scientific leadership of the University of Utah NIH-ADD Program, founded in 1975 by the late Ewart A. Swinyard in collaboration with the National Institutes of Neurological Disorders and Stroke (NINDS), NIH. Dr. White’s career in antiepileptic drug discovery began in 1986 as the senior scientist of the ADD Program.

Over the three decades that mark Dr. White’s research in the field, this program has played a crucial role in the
early identification and characterization of thousands of novel anticonvulsant medications using established seizure and epilepsy models. Dr. White’s laboratory has identified and characterized the anticonvulsant profile and potential mechanism of action for established and new anti-epilepsy agents. Notably, the efforts of the faculty, staff, and students of this program, which Dr. White has directed since 2001, have since its establishment in 1975 contributed to the successful development of multiple new therapeutics, including felbamate, rufinamide, topiramate, retigabine, and lacosamide.

“On behalf of the Epilepsy Foundation and many clinicians treating seizure conditions today, we are especially pleased to honor Dr. White with the Lifetime Accelerator Award and to recognize his outstanding contributions in anticonvulsant drug development,” said Philip M. Gattone, president and CEO of the Epilepsy Foundation. “We are grateful not only for his steadfast commitment to our mission, but also for his energy and enthusiasm for mentoring the next generation of neuroscientists and epilepsy educators.”

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Research Grants Foster Young Talent Searching for Better Treatments

Principal Investigator Daniel Friedman MD says, “The Epilepsy Foundation was important to my development as an epilepsy researcher.” As a recipient of an Epilepsy Foundation Research Training Grant for Clinicians in 2008, he says the award provided the opportunity to advance his skills in research methodology and gave him the essential skills he needed for scientific inquiry.

Christopher Makinson also believes the Epilepsy Foundation was critical to his training. “Without support from the Foundation, I would not have been able to take the time to learn essential skills and techniques,” he said. “The research conducted under this award has provided key insights into the pathophysiology of absence epilepsy.”

Using a 2014 Epilepsy Foundation grant, Friedman is researching whether simple, non-invasive sensors that record movement, heart rate, and skin conductance (degree of sweating) can be used to provide accurate counts of clinically significant seizures to help guide treatment and assess the efficacy of experimental therapies.

With their 2014 Epilepsy Foundation grant, Makinson and his team are developing a genetic approach to specifically target the Scn8a gene. This approach will allow for the development of potential new therapies for people living with severe epilepsies including Dravet syndrome.
DECEMBER 2013 NEW THERAPY RESEARCH GRANT AND EPILEPSY INNOVATION SEAL OF EXCELLENCE AWARDS
TOTAL AWARDED: $193,202

NEW THERAPY RESEARCH GRANT
Daniel Friedman MD  
New York University School of Medicine  
New York, New York

**Counting Seizures in Outpatients Using a Wrist-Worn Multimodal Sensor**
This study examines if a new kind of sensor worn on the wrist can easily and noninvasively detect seizures. A reliable and easy to use seizure sensor can help physicians, patients, and researchers determine the response to treatment without having to rely on the patient’s report, which may be inaccurate.

EPILEPSY INNOVATION SEAL OF EXCELLENCE AWARD
Harold Kohn PhD  
NeuroGate Therapeutics, Inc.  
Raleigh, North Carolina

**Advancing Extended NeuroAmides to Clinical Trials**
Epilepsy is a neurological disorder for which current medications are ineffective for many patients. We have advanced Extended NeuroAmides (ENAs), a novel compound class that exhibits potent anticonvulsant activities and a unique pharmacological mechanism. Our investigation provides a critical path for ENA development and selection allowing for IND-enabling studies.

EPILEPSY INNOVATION SEAL OF EXCELLENCE AWARD
Tom Kronbach PhD  
BioCrea GmbH  
Radebeul, Germany

**Novel Long Term Effective (LT) GABA PAMs for Refractory Epilepsy**
BioCrea’s LT GABA PAMs offer a new way to treat refractory epilepsy: They modulate the same validated target as benzodiazepines, but in a different way, leading to reduced side effects combined with maintained efficacy. This will enable effective and long-term treatment of patients with unmet needs.
NEW THERAPY GRANT
James Cloyd, PharmD
University of Minnesota
Minneapolis, Minnesota

**Prodrug / Enzyme Systems for Intranasal Treatment of Seizure Emergencies**
Seizure emergencies can result in injury, increased medical costs, and, if left untreated, progress to status epilepticus. The only approved out-of-hospital treatment for seizure emergencies is rectal diazepam, but many patients and caregivers object to it. This project proposes to develop water-based intranasal benzodiazepines that are easily administered and safely deliver high drug concentrations that rapidly terminate seizures.

NEW THERAPY GRANT
Nathan B. Fountain MD
University of Virginia
Charlottesville, Virginia

**Focused Ultrasound for Subcortical Epilepsy (FUSE) Study**
Transcranial MRI-guided focused ultrasound is an emerging technology designed to focus sound waves at a single point in space, resulting in a discrete thermal lesion. This clinical trial will use sound waves (focused ultrasound) to selectively destroy a small area of abnormal brain cells deep in the brain, such as hypothalamic hamartomas, that cause seizures. The sound waves are focused by a new technology and directed to the correct location by live ongoing magnetic resonance imaging.

NEW THERAPY GRANT
Tammy Tsuchida MD, PhD
Children’s National Medical Center
Washington, D.C.

**Dry Sensor-Based Neonatal EEG Monitoring “NEMO”**
The principal goal of this project is to design, build, and test an initial Neonatal EEG Monitor (NEMO) prototype headset that can be subsequently developed into a product ready for FDA 510(k) premarket approval as the first medical-grade neonatal dry sensor system. This easy-to-use headset will fit a range of head shapes, enable EEG recording within 10 minutes, not injure delicate neonatal skin, and can be used with any conventional EEG recording systems, thereby increasing availability of monitoring.

EPILEPSY INNOVATION SEAL OF EXCELLENCE AWARD
Michael Rogawski MD, PhD
Epalex Corporation
South San Francisco, California

**Epalex Inhaler**
Epalex Corporation is developing a pocket-sized inhaler to be used by a person with epilepsy to prevent the occurrence of a potentially serious seizure. When a seizure warning sign (aura) occurs, the inhaler is used to self-administer a powerful anti-seizure drug into the lungs, which is rapidly absorbed into the blood stream and carried to the brain, stopping the seizure.
2014 SHARK TANK AWARDS
TOTAL AWARDED: $215,000

SHARK TANK AWARD
Jon Davis
Kansas City, Missouri

Shower Power
Shower Power intends to provide safety and peace-of-mind while showering. Primarily for people with epilepsy, this device could also be useful for aging and adolescent groups. The Shower Power system checks for normal upright body position within the shower and will sound a variety of alerts to warn caregivers if the body’s position is no longer upright. Since Shower Power non-invasively monitors body position within the shower, no alteration to one’s daily shower routine is required.

SHARK TANK AWARD
Oren Knopfmacher PhD
Avails Medical, Inc.
Palo Alto, California
Robert S. Fisher MD, PhD
Maslah Saul MD Professor of Neurology, Director, Stanford Comprehensive Epilepsy Program
Stanford, California

An In-Home, Inexpensive Anti-Epileptic Drug-Monitoring Device Using Saliva
Therapeutic monitoring of anti-seizure medication is crucial to determine optimum drug dosage in epileptic patients and to avoid seizures and periods of toxicity. Current drug monitoring is invasive, requires a clinic visit, and is used only infrequently by patients. Avails Medical overcomes this hurdle by providing a novel device, allowing simple, noninvasive, and convenient in-home drug monitoring using saliva as the target body fluid. This project empowers patients to keep their drug dose optimal at home by noninvasively and immediately assaying levels of anti-seizure medication in saliva.

SHARK TANK AWARD: PEOPLE’S CHOICE
Ahmed and Amir Helmy
University of Florida
Gainesville, Florida

Seizario: Using Smartphones to Detect Seizures
Seizario is a mobile application designed for the purpose of aiding epileptic patients, their families, and caregivers in managing their daily lives effectively using smartphones. First, Seizario offers an accelerometer-based learning algorithm coupled with a finite-state machine to automatically detect grand mal seizures and harmful falls. Warning and alert messages are triggered when potentially dangerous situations are detected. Second, immediate or timed emergency messages can be sent at will to pre-identified family members or caregivers with (instantaneous or longitudinal) activity, time, and location information. Using Seizario regularly should reduce the effect of detected seizures by reducing the response delay due to timely alert notifications.
SHARK TANK FINALIST AWARD
Sandra L. Helmers MD, MPH
Professor of Neurology and Pediatrics, Emory University School of Medicine
Atlanta, Georgia

WebEase-Y: Enhance Youth Epilepsy Management Behaviors
The purpose of this project is to develop WebEase-Y, an e-health self-management (SM) intervention for youth with epilepsy, with epilepsy stakeholders’ input (patients and caregivers). In order to facilitate the rapid development of WebEase-Y, we will adapt WebEase 2.0 (Web Epilepsy Awareness, Education and Support), which is an online, evidence-based intervention proven effective in adults with epilepsy. We will leverage the existing structure and components of WebEase 2.0 (web-based and mobile application features) to meet the needs and interests of youth with epilepsy ages 12-17 and of their caregivers. We will develop new skill-building units (i.e., therapy adherence and coping skills), add web-content relevant to pediatric epilepsy, and incentivize the continued use of WebEase-Y with an integrated rewards system that interfaces with gaming software.

SHARK TANK FINALIST AWARD
Michel Lundell
CEO and founder of M Object Oriented Software Engineering AB
Varberg, Sweden

Ketonix Breath Ketone Analyzer
A ketogenic diet is known for its effect on controlling epilepsy seizures, but until now, there has not been an easy way to control the diet. The Ketonix Breath Ketone Analyzer indicates the ketone (acetone) concentration in the blood by analyzing the breath. It does not require any additional costs per test and is easy to carry, easy to use, durable, and reusable. For a user managing epilepsy by diet, the Ketonix Breath Ketone Analyzer could lower the costs of medicine, reduce medicine side effects, and improve health markers.

SHARK TANK FINALIST AWARD
Nirav Sheth
MC10
Cambridge, Massachusetts

MC10 “Biostamp” Wearable Sensors: Wireless Sensing for People with Epilepsy
The goal for MC10’s sensors is to improve quality of life for epilepsy patients and their families, as well as improve patient-physician relationships in three main ways: 1. continuously tracking seizure episodes; 2. communicating objective seizure, behavioral, and environmental characteristics to patients and caregivers; and 3. measuring adherence and response to therapy for personalized optimization of care plan.

INNOVATION-A-GO-GO GRANT TOTAL AWARDED: $83,978
Charles and Cynthia Anderson
HiPass Design
Boulder, Colorado

SAMi – Sleep Activity Monitor
There are more than 37,000 children diagnosed with recurring seizures (RS) every year with an estimated total of 50 million people with RS worldwide. Many caregivers either do not know when seizures occur during the night or they lose a lot of sleep trying to stay awake in case a seizure occurs. SAMi™ is a sleep activity monitor for caregivers who need to know when unusual movements occur during the night.
RESEARCH AWARDS
TOTAL AWARDED: $435,000

NEW INVESTIGATOR AWARD
Chun-Hay Alex Kwan PhD
Yale University School of Medicine

Seizure activity in epilepsy is dependent on the relationship between brain excitation and inhibition in the brain. Recruited by synchronized activity, inhibitory neurons restrain and define the spatial extent of the epileptiform discharges in the neocortex. However, there are several major types of inhibitory neurons, each with distinct electrical properties and physiological functions. It remains unclear how these different types of inhibitory neurons are recruited and restrain excitation during epileptiform activity in vivo. This lack of understanding hampers the development of targeted treatments for epilepsy. This proposal will directly address this significant gap in the knowledge of epilepsy by using cutting-edge optical technologies, including two-photon calcium imaging and optogenetics, which enable in vivo recording and manipulation of neural activity. In a mouse model of epilepsy, the experiments will visualize the dynamics of inhibitory activity and then causally test whether elevating inhibition can terminate seizures. The goal is to identify the inhibitory neuronal circuits in the cortex that are responsible for restraining hyperexcitation during seizures.

POST-DOCTORAL FELLOWSHIP AWARD
Christopher Makinson PhD
Stanford University

Elucidating the Role of Scn8a in Absence Epilepsy

Absence epilepsy is characterized by brief loss of consciousness and the occurrence of spike-and-wave discharges measured by EEG. Absence seizures are thought to be caused by alterations in communication between two major brain regions, namely, the cortex and the thalamus.

Mutations in a sodium channel gene (Scn8a) are thought to cause absence epilepsy; however, the changes in brain function that lead to the generation of absence seizures in response to loss of Scn8a is unknown. This proposal aims to determine a mechanism that explains the relationship between loss of the Scn8a gene and absence epilepsy. Our hope is that this new information will lead to a better understanding of absence epilepsy which will aid the development of therapeutics for the treatment of seizures.

PRE-DOCTORAL FELLOWSHIP AWARD
Robert Yaffe BAS
Johns Hopkins University

Development of a Tool for Seizure Foci Localization

For patients with epilepsy who do not respond to pharmaceutical treatments, the last resort treatment option is a surgical procedure in which the epileptogenic zone (EZ) — the region of the brain that is believed to be the source of the seizures — is removed. First, electrodes are implanted onto the surface of the brain or inserted deep into the brain. This is done to record the electrical activity of the brain while a patient has seizures, so that the exact sources of seizures can be determined. Once the EZ is determined, this area can be surgically resected. Only about 50% of the patients who have this procedure remain seizure-free in the long term. One of the main reasons this procedure fails is misidentification of the EZ. Currently, trained epileptologists visually inspect hours of electrical recordings without the assistance of any computational tools. In this project, a computational tool will be developed to accurately identify the region of the brain that is responsible for generating seizures in patients with epilepsy. This will greatly improve the effectiveness of surgical resections and decrease the amount of time needed for the pre-surgical evaluation.
**PRE-DOCTORAL FELLOWSHIP AWARD**

Bilal Ahmed MS  
Tufts University Medford Campus

**Automatic Detection of Epileptogenic Lesions in MRI-Negative Patients**

Epilepsy is a common neurological disorder affecting approximately 1% of the population. About one-third of epilepsy patients have to undergo surgical treatment. Technological advances in MRI have made the detection of the brain lesions much more reliable, but lesions in around 50 to 80% of patients still escape visual inspection, and epilepsy surgery is often difficult or impossible because of the lack of clear MRI images. The work proposed aims at improving the detection of epilepsy-causing lesions by combining novel, quantitative MRI analysis with sophisticated computer algorithms. We will develop new methods to address problems specific to epilepsy imaging data and to provide a computer-assisted platform for innovative image analysis. Our methodology will combine the features of MRI images with information that computers, but not the human eye, can “see.”

**INFRASTRUCTURE AWARD (CO-FUNDED WITH THE AMERICAN EPILEPSY SOCIETY)**

Cecil D. Hahn MD, MPH  
The Hospital for Sick Children – Toronto

**Critical Care EEG Monitoring Research Consortium (CCEMRC)**

In order to position the Critical Care EEG Monitoring Research Consortium (CCEMRC) to be competitive for federal funding in support of large-scale multicenter clinical trials, our overall aim for the next year is to harness our existing research infrastructure to collect preliminary data from 250 critically ill adults and children at consortium sites who undergo clinically indicated continuous video-EEG (cEEG) monitoring. Our goal is to generate preliminary data to demonstrate feasibility and support the design of the four prospective studies. Participating consortium sites will enter data from consecutive patients undergoing clinically-indicated cEEG monitoring regarding 1. the prevalence and risk factors for electrographic seizures and periodic/rhythmic EEG patterns among critically ill patients, and 2. current management of electrographic seizures and periodic/rhythmic EEG patterns in critically ill patients.

**INFRASTRUCTURE AWARD (CO-FUNDED WITH THE AMERICAN EPILEPSY SOCIETY)**

Tobias Loddenkemper MD  
Boston Children’s Hospital

**Pediatric Status Epilepticus Research Group (pSERG)**

Our overall objective is to provide the first prospectively obtained pediatric multicenter rSE registry. This network is providing benchmarks and variability of longitudinal rSE outcome biomarkers, including clinical presentation, EEG findings, neuroimaging findings, comorbidities and complications, treatment and surgery, genetic biomarkers, and duration of ICU and hospital stays as well as follow-up assessments.

**SUSAN S. SPENCER CLINICAL RESEARCH TRAINING FELLOWSHIP IN EPILEPSY (CO-FUNDED WITH THE AMERICAN ACADEMY OF NEUROLOGY AND AMERICAN EPILEPSY SOCIETY)**

Robert J. Kotloski MD, PhD  
University of Wisconsin – Madison

The process by which a traumatic injury leads to post-traumatic epilepsy is poorly understood. These experiments are examining the changes in brain activity within the hippocampus, a brain structure known to be important in epilepsy, during the period between a brain injury and the appearance of seizures. By examining spontaneous brain activity and responses to electrical stimulation of the brain, we seek to identify markers that presage the development of epilepsy or recovery without seizures. These electrographic biomarkers will aid the understanding of post-traumatic epilepsy, allow for improved prognosis after traumatic brain injury, and facilitate the development of new treatments.
TARGETED RESEARCH INITIATIVE FOR MORBIDITY AND MORTALITY

Susanne Mueller MD
University of California San Francisco

Brainstem Atrophy: A SUDEP Biomarker

The goal of this project is to demonstrate that patients with difficult to control temporal lobe epilepsy (TLE) have atrophy in brainstem regions involved in cardiorespiratory control and seizure inhibition using MR imaging. Consequently, these patients have more severe seizures that are more often associated with respiratory and cardiac disturbances severe enough to cause hypoxia. The repetitive hypoxia leads to more brainstem damage and further aggravation of the cardiac and respiratory disturbances until they reach a critical point, after which cardiorespiratory control becomes unstable during heightened demand and results in a heightened risk for sudden unexpected death in epilepsy (SUDEP). This hypothesis will be investigated by demonstrating brainstem damage in 10 TLE patients and correlating its extent with that of the cardiac/respiratory dysfunction (reduced heart rate variability) between seizures. In addition, the MRI of five patients who died of SUDEP will be investigated in the same way with the aim to demonstrate that they have more severe brainstem atrophy in the same regions. If successful, this project could lead to a biomarker to identify patients at risk for SUDEP and thus in need of rigorous seizure control and increased surveillance during seizures.

TARGETED RESEARCH INITIATIVE FOR CANNABIDIOL

Misty Smith PhD
University of Utah

Analysis of Cannabidiol Interactions with Anti-seizure Drugs

Little is known concerning the interactions of cannabidiol (CBD) with other anti-seizure drugs (ASDs) and how these interactions will impact the efficacy and safety of CBD when given concomitantly with other ASDs to patients with epilepsy. The optimal CBD/ASD drug combinations identified in this proposal will also be evaluated in assays that reflect the comorbidities of epilepsy, including anxiety and depression, and potential adverse motor effects of the drugs and their combinations. In that way, potential therapeutic benefits or liabilities of combined ASD treatment with cannabidiol will be rapidly identified. This proposal directly addresses the Request for Proposals (RFP) from the Epilepsy Foundation of America (EFA) seeking a better understanding of the potential synergistic, additive, or antagonist interactions of CBD with concomitant ASDs in order to find more efficacious and/or safer therapeutic options.

TARGETED RESEARCH INITIATIVE FOR VETERANS WITH NON-EPILEPTIC SEIZURES

Emily Stern MD
Brigham and Women’s Hospital

PTSD Severity and Imaging Biomarkers in Veterans with PNES: A Pilot

This proposal aims to define functional and structural brain relationships in veterans with Psychogenic Non-Epileptic Seizures (PNES) as a function of Post-Traumatic Stress Disorder (PTSD) severity. The association between PNES and PTSD in Veterans has been reported but there have been no neuroimaging investigations of this relationship. This study will use a well-validated emotional-linguistic go/no-go functional magnetic resonance imaging (fMRI) paradigm, structural MRI analyses, and psychometric testing measures of PTSD severity and resilience. Members of our group have successfully applied similar neuroimaging strategies to study civilians with PTSD and other neuropsychiatric disorders. The pilot data from this study will result in a greater understanding of brain dysfunction and structural abnormalities in veterans with PNES, which may subsequently guide identification of biomarkers for prognosis and treatment. This research will create a new multidisciplinary collaboration between VA Boston Healthcare System, Brigham and Women’s Hospital, and the Epilepsy Foundation. Pilot data from this study will also form the basis of future research in this area and catalyze additional collaborations between these institutions.
State-of-the-Art Site Is Key Component of Mission to Accelerate Innovative Therapies and Empower People Impacted by Seizures

Saturday, March 22, at the 8th Annual National Walk for Epilepsy, the Epilepsy Foundation unveiled the new epilepsy.com, a website that reintroduces the organization as the most comprehensive national resource for people living with epilepsy and seizures, their caregivers, and anyone who seeks to better understand a medical condition that affects nearly 3 million people in the United States.

“For people living with epilepsy, their caregivers, friends, and family members, the Epilepsy Foundation is an unwavering ally in raising awareness, providing education and support, and funding research to bring new treatments and therapies to market in a timeframe that matters,” said Philip M. Gattone, president and CEO of the Epilepsy Foundation. “The new site is designed to help improve treatment and care and to be a community hub accessible from wherever people access the internet.”

The new epilepsy.com combines two of the largest and most comprehensive websites for epilepsy-related content — epilepsyfoundation.org and the previous epilepsy.com — into one dynamic and engaging site. The previous sites averaged more than 500,000 unique visitors per month.

“In developing the new site, the Foundation sought to create a centralized source for all epilepsy-related information and support services, one of the recommendations presented by the Institutes of Medicine in its seminal 2012 report, Epilepsy Across the Spectrum: Promoting Health and Understanding,” said Dr. Joseph Sirven, editor-in-chief of epilepsy.com. “Users will find updated facts and figures about epilepsy and seizure causes, diagnosis, treatments, and research, as well as the resources to support those living with epilepsy and their caregivers that the Foundation is well known for providing.”

More than an education platform, the new state-of-the-art website meets people where they use the web through its scalable functionality for computers, tablets, and mobile phones. Fully integrated with social media, the new site empowers visitors to become ambassadors for epilepsy and seizure awareness like never before. Users can log in or register with their social identity from Facebook, Google Plus, or Twitter to comment on content, ask questions, participate in conversations, and easily share pages to their social media profiles.

“One many people with epilepsy have felt isolated and overwhelmed when trying to find the best treatment,” said Warren Lammert, chair of the Epilepsy Foundation. “The new epilepsy.com gives everyone the tools they need to connect with others, including peers and experts. Epilepsy.com is where people with epilepsy and their caregivers can find the best treatment and therapy options, learn the latest information about seizures, share their stories without feeling judged, and effortlessly discover life-changing information and resources.”

The new epilepsy.com was made possible by the generous support from our lead sponsor, Sunovion Pharmaceuticals. Additional support for the new site came from the American Epilepsy Society, Cyberonics, Lundbeck, the McGrath Abrams Family Foundation, UCB Pharma, and Upsher-Smith Laboratories.

“Users will find updated facts and figures about epilepsy and seizure causes, diagnosis, treatments, and research, as well as the resources to support those living with epilepsy and their caregivers that the Foundation is well known for providing.”

Joseph Sirven MD, editor-in-chief, Epilepsy.com
2014 Public Policy Conference

The Epilepsy Foundation’s annual Public Policy Institute and Teens Speak Up! Conference was held March 23 to 25 in Washington, D.C. Representatives from 34 affiliates participated in the conference and Hill Day, which brought together more than 150 teens, parents, affiliates, and volunteers for a day and a half of learning and advocacy training that culminated with visits to the Capitol. Families and affiliates shared their personal stories and advocated in support of the Epilepsy Foundation’s legislative goals through nearly 200 congressional meetings.

Teens, families, and affiliate volunteers learned about the importance of speaking up to raise awareness about the challenges of living with epilepsy, and how each of us can take a role in educating policymakers at all levels about our needs. They returned home ready to be epilepsy advocates in their communities.

Advocating for Funding for Epilepsy Research and Programs

The Epilepsy Foundation is a long-standing advocate in the fight for increased funding for critical epilepsy programs at the Centers for Disease Control and Prevention (CDC) and research initiatives at the National Institutes of Health (NIH) and the Food and Drug Administration (FDA). Epilepsy programs at CDC (which last year provided education and direct training to more than 5,300 nurses; 16,000 school personnel; 2,400 first responders; and 38,000 students) are delivering critical services and model programs to our communities.

Bringing Transparency to Approval of New Treatments

The Epilepsy Foundation advocated for improved access to innovative treatments by supporting legislation in both the House and Senate that would require the Drug Enforcement Administration (DEA) to schedule a new therapy within a set timeframe after approval by the FDA.

When a new therapy with abuse potential is approved by the FDA, it is not available to people until it has been scheduled by DEA in accordance with the Controlled Substances Act. Without an obvious cause or justification, the time period between initial drug approval by FDA and final scheduling by DEA has increased over the years, and new therapies can wait for DEA scheduling for more than a year! Access to new therapies is particularly important for the more than one million people living with epilepsy who experience intractable or uncontrolled seizures or have significant adverse effects to medication, as well as those living with other poorly managed medical conditions.

Removing Barriers on Cannabis Research and Compassionate Access

The Epilepsy Foundation is committed to supporting physician directed care and to exploring and advocating for all potential treatment options for epilepsy, including cannabidiol (CBD) oil and medical cannabis for individuals with intractable epilepsy. People with uncontrolled seizures live with the continual risk of serious injuries and loss of life. This is why many individuals who have run out of options turn to CBD, and why the Foundation believes nothing should stand in the way of people gaining access to this potentially lifesaving treatment.

The Epilepsy Foundation supported federal proposals to move cannabis to a lower schedule and remove restrictions that limit research into the connection between cannabis and seizures. The Foundation also supported federal legislation that would have allowed individuals living with uncontrolled seizure access to CBD oil by removing therapeutic hemp from the Controlled Substances Act. In the states, the Foundation worked closely with affiliates in support of state proposals to bring safe, legal access to CBD through state-regulated cultivation, production, and dispensing of medical cannabis.
Preserving Access to Medications in Medicare

In January 2014, the Centers for Medicare and Medicaid Services (CMS) proposed a rule to scale back the six protected classes in Medicare Part D to three. The “six protected classes” policy ensures greater protections for six classes of medications, including anticonvulsants for epilepsy. Part D has been a successful program since its inception in 2006, costing less than originally projected, and the protected status makes it easier for the most vulnerable Medicare beneficiaries to gain access to the medications they need. The Epilepsy Foundation joined with many other organizations in opposition of these changes; in March 2014, CMS announced they would not pursue the proposed changes.

Advocacy Across the States

The Epilepsy Foundation and its affiliate network across the country remain vigilant on the legislative and regulatory battles taking place at the state level to preserve meaningful access to quality care and treatment for people living with epilepsy and to provide support for epilepsy programs at the state level. The Foundation and its affiliates have been a voice for the epilepsy community at state houses and state agencies on a wide range of issues, including step therapy and prior authorization bills, drug monitoring programs, and physician directed access to CBD oil for people living with intractable epilepsy. Through expert and patient testimony, public comments, and letters, we have shared with policymakers the story of

I shared my story and I put them in my shoes and really connected them to my life. It drew out many emotions from the legislators because they never knew how hard it could be having epilepsy, including bullying, discrimination, and fighting to be accepted and treated like a human being.

Amanda Kent, Teens Speak Up! (TSU) program participant
people living with epilepsy, their needs, challenges, and achievements.

**Speaking Up for the Epilepsy Community**

Our Speak Up, Speak Out national network of advocates sent more than 6,000 messages to nearly 1,300 legislators on a wide range of state and federal issues. Join us as we raise awareness of the epilepsy community’s policy priorities at epilepsy.com/advocacy!

**Legal Defense Fund**

The Jeanne A. Carpenter Legal Defense Fund is a national legal advocacy program with the mission to end epilepsy-based discrimination through education and increased access to legal services for individuals with epilepsy. We educate people with epilepsy, affiliates, and attorneys about legal issues affecting people with epilepsy.

The Fund educated more than 1,000 individuals living with epilepsy about their legal rights and updated our web resources to better serve our community. The Fund also provided direct legal resources to assist attorneys that represent clients in employment, criminal (seizure-related arrest), police misconduct, and access to medication cases, including support and resources in a federal lawsuit involving access to medication.

The Fund provided direct legal resources in three criminal cases where clients with epilepsy were arrested for seizure-related behavior, and criminal charges were dismissed. The Fund also provided direct legal resources for a police misconduct lawsuit relating to incorrect response to a seizure by law enforcement. The Fund collaborated with a network attorney to promote the Foundation’s law enforcement curriculum to an association of criminal defense attorneys in Florida. Additionally, with the Fund’s assistance, successful resolutions were achieved in at least five employment matters. The Fund also provided information and legal resources to hundreds of individuals with employment-related inquiries.

**A STORY OF INNOVATION IN COMMUNITY ADVOCACY**

Amanda Kent: A Teen Who Speaks Up

Last year I was a part of the Teens Speak Up! (TSU) program; it was such an amazing opportunity. While I attended the conference, I learned so many amazing things about epilepsy and how to share my story. I also met so many incredible people who made the trip to Washington, D.C. We played fun games, heard from the ambassadors, had special guests, and really got to know each other.

I have to say I love telling our stories to each other and the other adults there showed me how to share my story with the legislators. All the TSU participants took part in a group activity about how we should present our story. After we all shared our stories, I talked to my table and suggested the idea of making it more personal, putting the legislators in our shoes.

On Hill Day I met with my team and we made a plan for all of the legislators. I shared my story and I put them in my shoes and really connected them to my life. It drew out many emotions from the legislators because they never knew how hard it could be having epilepsy, including bullying, discrimination, and fighting to be accepted and treated like a human being.

I never wanted to leave the conference, but when I did, I left with many ideas for changing things, helping others, speaking up, and advocating for others. I’m returning in 2015 because I feel like being an ambassador will inspire other TSU participants to really share from their hearts, to really emotionally connect with who you’re sharing your story with. The TSU program is an excellent program to help teens living with epilepsy get their stories out to the people who can make a change.
COMMUNITY SERVICES AND EDUCATIONAL PROGRAMS

CENTERS FOR DISEASE CONTROL AND PREVENTION AND OTHER PARTNERSHIP PROGRAMS

The following pages are representative examples of the multiple programs we have initiated through our collaboration with the Centers for Disease Control and Prevention (CDC) and through other partnerships.

School Nurse Program
This program is funded through the CDC.
The Epilepsy Foundation’s School Nurse Program — a nationwide initiative — educates school nurses about seizures so they will be able to serve children with epilepsy and their families and train other professionals who work with these students. The program is offered in person and online, making it available in every state and territory. Our training offers free Continuing Education Units (CEUs) to school nurses through our partnership with the CDC.

During 2014, local Epilepsy Foundations provided in-person and online education about seizure recognition and first aid to 5,385 (13%) of the estimated 40,300 school nurses across the United States. Overall, the program has exceeded its long-term goal by training 33,510 (83%) of U.S. school nurses.

First Responders and Police Officers Training
This program is funded through the CDC.
Our First Responders and Police Training program is a nationwide initiative that provides both online and face-to-face seizure recognition and first aid trainings for all first responders and law enforcement personnel.

During 2014, we presented at the EMS World conference on “Epilepsy and Seizure Management for EMS.” In the 2014 fiscal year, 2,011 first responders, and 400 police officers completed the training through in-person and online events. Of the 706 participants in the EMS training who completed both pre- and post-training surveys, 74% reported that they felt confident or very confident about recognizing specific types of seizures after the training; this metric represented an increase from 55% on the pre-training survey. However, 75% reported feeling confident or very confident after the training about knowing when to transport someone having a seizure to a hospital; this metric represented only a 9% increase from the pre-training survey. Of the police officers who completed the training, the results from pre- and post-training surveys indicated improvement of 39% from before and after the program in terms of recognizing seizures, and a 27% increase in regard to knowing when to transport a person having a seizure for emergency services. All of this data will guide the Foundation in future revisions and updates to the program.

First responders exhibit at the EMS World Conference.
Multi-cultural Affairs

This program is funded through the CDC.

The Epilepsy Foundation works with affiliates, partner organizations, and community leaders to promote culturally and linguistically appropriate education and outreach in minority communities through presentations, trainings, and print, media, and web resources. Outreach is focused on diverse populations, emphasizing youth and young adults in African American, Hispanic, and Asian communities.

As an example, affiliates formed new partnerships with Asian American organizations, including the Asian American Community Alliance and Asian American Community Services, to share information about epilepsy and seizures with their members. On a national level, the Foundation’s engagement strategy involved social media messaging in May during Asian American Heritage month and setting up a workshop on epilepsy and how it impacts the Asian American population at the Organization of Chinese Americans’ National Convention that occurred later in the summer. During the workshop, approximately 30 Asian American student leaders were encouraged to share their stories through messages and photos on social media. Students were also encouraged to visit the Asian American landing page on the Epilepsy Foundation’s website (epilepsy.com/asian-american) to learn more about epilepsy.

I have seen tremendous progress being made since my son died from SUDEP four years ago. More people are aware of it, more people are talking about it, and more people are attending the conferences. The SUDEP Institute has been the catalyst for that progress.

Steve Wulchin, president and co-founder, FreeWave Technologies, Inc.
24/7 Helpline

This program is funded through the CDC.

In September 2013, the Epilepsy Foundation launched the Epilepsy & Seizures 24/7 Helpline, taking calls from both English and Spanish speakers. To support this process, the Foundation conducted a competitive bidding process that resulted in engaging the Heart of Florida United Way, a robust 211 provider, as a vendor/partner to take after-hours calls.

In 2014, the Epilepsy & Seizures 24/7 Helpline responded to 14,510 phone and email inquiries, a 33% increase over FY2013. During this time, 17.1% of all calls were taken after hours (between 5:00 p.m. and 9:00 a.m. Eastern Time). The five most common types of inquiries received were as follows: medical/treatment-related questions, financial assistance requests, legal information and support, information about Foundation affiliates, general epilepsy information/materials requests.

The Epilepsy Foundation's SUDEP Institute: Working to Prevent Deaths from Epilepsy

SUDEP Institute is funded partially from donations and partially through the CDC.

SUDEP. However, it occurs more frequently in people with epilepsy whose seizures are poorly controlled.

The Epilepsy Foundation’s SUDEP Institute works to prevent SUDEP and support people confronting the fear and loss caused by SUDEP.

The SUDEP Institute, in partnership with the American Epilepsy Society (AES), hosted a webinar for professionals entitled, “Talking about SUDEP: Different Conversations for Different Situations.” On February 10 and 24, 2014, 35 neurologists participated in the live session.

In November 2013, the SUDEP Institute launched the “Managing Epilepsy and Seizures” infographic. Local Epilepsy Foundations received tear pads for distribution. The infographic was also distributed to more than 500 neurologists’ offices. As of January 2014, the infographic (available at www.epilepsy.com/IG/safetyfacts) had been viewed more than 100,000 times through social media efforts. In the fall of 2014, the Foundation translated the infographic into Spanish, made it available online, and distributed it to neurologists.

Feedback from neurologists, affiliates, and persons living with epilepsy alike has been overwhelmingly positive. A survey sent to 50 representative neurologists revealed that 90% found it extremely or very helpful.

Studio E: Wellness Through Art Therapy

Studio E is funded through a partnership with Lundbeck.

Studio E, an art therapy program, was developed to help participants connect with their inherent abilities and
improve their self-esteem. The art therapy groups are structured to ensure that for every five to six participants, there is an art therapist facilitator, allotting 3 hours of time for adults and 1.5 hours for children and adolescent groups. While the adult groups are most often framed using the open studio model, children and adolescent groups are tailored with directives according to individual group needs and the art therapist’s experience and expertise.

In fiscal year 2014, Studio E was expanded to 20 additional markets. There were 39 affiliate participants in 49 markets and more than 1,000 people participated. In 2013-2014, we conducted a pilot study collecting data from participants in nine markets. That data showed self-esteem improved over the course of the program. This data was presented at the American Epilepsy Society’s 2014 Annual Meeting.

In 2015, the program will expand to more than 50 affiliate markets, and we are building a virtual art gallery to showcase participant artwork and artist statements.

RARE EPILEPSY NETWORK DATABASE: REN REPORT

In January 2014, the Epilepsy Foundation, in collaboration with Columbia University, Research Triangle Institute, and 10 organizations representing rare epilepsies, was awarded a Patient-Centered Outcomes Research Institute (PCORI) contract to build a database that would be populated with patient/family-driven data to address important research questions regarding rare epilepsy. This was a very competitive process and provides an incredible opportunity to build a database that will network with many other patient-driven databases and clinical data research networks. The project will open possibilities for identifying persons with these rare disorders, as well as provide a large framework for research. In the first 6 months of our award, we accomplished the following activities.

The REN recruitment and retention workgroup (whose members include the principal investigator, the project manager, and patient/family representatives) has developed and submitted a recruitment and retention plan that includes strategies for diversification.

We have successfully built our governance policies, including data sharing. This structure was designed collaboratively with Co-Investigator Dr. Kroner and the patient members of the governance work group.

A web portal for data collection has been developed and is housed on a secure site within Research Triangle Institute.

We have developed a patient engagement plan. Our patients/families are involved in every aspect of this project.

We have established patient-reported outcomes or data points. These outcomes were established in a work group comprising Co-Investigator Dr. Hesdorffer, Clare Litherland, and patients/family members.

A STORY OF INNOVATION IN CONNECTING TO CARE

On October 8, 2014, the Epilepsy & Seizures 24/7 Helpline received a call from Lisa, who was seeking assistance for her 21-year-old son. He was no longer eligible for Medicaid and needed medication to control his seizures.

The Information Specialist conferenced a call with the Epilepsy Foundation of North Carolina, the family’s local affiliate office. The local affiliate gathered information regarding Lisa and her son and worked with the family’s doctor to send her son’s medication prescriptions to a local pharmacy. The local affiliate also discussed vocational rehabilitation and transportation needs with Lisa and assisted her son with applying for medical coverage.

On March 11, 2015, Helpline staff followed up with Lisa to see how she and her son were doing. Lisa was excited to let us know that her son was able to get the medication he needed as a direct result of the local affiliate’s assistance. Lisa also shared that soon after getting on medication, her son found a job. Although Lisa’s son continues to have seizures about once every 3 months, he has not had a seizure while at work. Although he is unable to get a license at this time, he is hopeful that he will be able to drive in the near future.

“It has been a relief being here and hearing that I’m not the only one who went through my formative years living with epilepsy and suffering from depression and anxiety.”

Gail Valentine, Youth Summit attendee from Jamaica
Lisa agreed to continue to work with her local affiliate and will keep the Epilepsy Foundation updated about her son’s experiences.

**A STORY OF INNOVATION IN ENGAGING YOUNG PEOPLE**

When Eduardo Garcia Landrau was 13 years old, he had his first tonic-clonic seizure. In the following years, he would try and fail nearly a dozen anticonvulsant medications, undergo major surgery to treat his seizures, and ultimately learn to live with intractable epilepsy.

“Every time I reach a new step in my life, I encounter an obstacle that challenges my progress,” said Landrau. “And sometimes that obstacle is insurmountable.”

He is not alone in his struggle with epilepsy. For three days in July, 20 young adults ranging in age from 21 to 29 came together in Washington, D.C., to identify a project the group could spearhead that would improve the lives of other young adults living with epilepsy.

The invitational Summit was supported by the Epilepsy Foundation and the North American Region of the International Bureau for Epilepsy (IBE). Participants from across the North America Region (United States, Canada, Jamaica, and Puerto Rico) attended this inaugural summit.

The goal of the weekend was to identify a project that this remarkable group could take on to affect change. Epilepsy education was a consistent theme among many of the projects discussed. By the end of the summit, the group chose a project that aims to educate and inspire others living with epilepsy through personal stories. They plan to distribute these stories using social media.

**A STORY OF INNOVATION IN SUDEP EDUCATION AND AWARENESS**

Creating SUDEP Awareness and Remembering Those Lost to Seizures

Gabe Jones died unexpectedly Friday, June 21, 2013, at home. His wife, Lauren, called 911 when she noticed Gabe had stopped breathing after having a seizure in his sleep. He was 28 years old and left behind a then 7-month-pregnant wife and 2-year-old son.

After Lauren lost her husband to sudden unexpected death in epilepsy (SUDEP), she reached out to the SUDEP Institute. Like many people, Lauren had not heard about SUDEP until it was too late.

“I never looked at a seizure as something that could possibly be deadly,” Lauren said. “I feel like I had to overcome a lot of things to come at peace with my husband’s death because I wasn’t informed about SUDEP.”

The SUDEP Institute provided Lauren with answers and offered her connection and support through our dedicated grief counselor, Linda Coughlin Brooks. In March 2014, Lauren and her family attended the National Walk for Epilepsy. She also shared her story with the media to help build understanding of SUDEP and ensure that accurate information is available.

Youth Summit attendees came from across the North American region.

The invitational Summit was supported by the Epilepsy Foundation and the North American Region of the International Bureau for Epilepsy (IBE). Participants from across the North America Region (United States, Canada, Jamaica, and Puerto Rico) attended this inaugural summit.

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Thousands traveled to the nation’s capital on Saturday, March 22, 2014, in celebration of the 8th Annual National Walk for Epilepsy. A family reunion for the epilepsy community, the Walk welcomed Rick Harrison, from the TV series “Pawn Stars,” and football Coach Jerry Kill of the University of Minnesota Golden Gophers. Both men have been affected by epilepsy.

During the pre-Walk rally, Harrison spoke about the severe seizures he had as a child and how he used the hardships he encountered to his advantage, transforming what he learned into the success he experiences today.

Nearly 5,000 walkers took a 5K journey around the Tidal Basin memorials. Participants represented all ages, races, and ethnicities. Some wore costumes. Others donned purple t-shirts proudly identifying themselves as living with epilepsy or white t-shirts for family, friends, and supporters. Many carried inspirational banners and signs. In all, almost 500 teams participated.

Heartfelt attractions such as the Remembrance Wall and Studio E made for memorable moments.

At the Remembrance Wall, walkers celebrated the life of a loved one lost to SUDEP (sudden unexpected death in epilepsy) or some other epilepsy-related cause by writing a commemorative message and placing it on the wall. Many stood in silence at the wall to reflect and take a moment for prayer or meditation.
The Studio E art gallery also had an unforgettable impact. The gallery drew tears, as well as marvel and praise, as it showcased artwork that visually expressed how it feels to live with epilepsy through the eyes of the people who have the condition.

The 8th Annual National Walk for Epilepsy raised more than $1 million to support services for people living with epilepsy. In addition, those funds will be used to create awareness programs for seizure recognition and proper first aid, provide a voice to make sure health care options for people living with seizures remain strong, and fund research to create better treatment options and innovations that can make a difference in lives today.

“Today is extra special for me because it is [my daughter] Sylvie’s 17th birthday. We are walking for all of our sons and daughters, our families and friends, and for all of you with epilepsy. You are all a part of the Epilepsy Foundation family and I am proud to walk with you today.”

Warren Lammert, chair, Epilepsy Foundation

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Philip Gattone, president and CEO, Epilepsy Foundation

We at the Epilepsy Foundation consider this walk our annual family reunion, and we are so excited to call each and every one of you our family. This walk is for you!
“Pawn Stars” cast member and Gold & Silver Pawn owner Rick Harrison was propelled to fame with the runaway success of his History series. But it was living with epilepsy that started his interest in history.

“Because of my seizures, I was forced to spend a lot of time in bed in my room away from the television when I was a kid,” Harrison said. “The best way to entertain myself was to read, so I became very interested in history books.”

In early 2014, Harrison met with Epilepsy Foundation President and CEO Phil Gattone at his shop to talk about joining forces to create awareness about epilepsy and seizures in Nevada and across the country.

“We always encourage people living with epilepsy to talk about it to help bring it out of the shadows, and we are thrilled to have Rick join the Foundation and our local affiliates to further elevate awareness about epilepsy and seizures,” Gattone said. “We welcome Rick to the Epilepsy Foundation family and look forward to partnering with him and his family for a long time to come.”

“I am happy that the Epilepsy Foundation heard about my having experienced it as a child and reached out to me. I am honored to work with them and want to encourage everyone to talk about their stories and build a community to help in every way possible as we progress in finding more solutions for those who have epilepsy,” shared Rick.
SOCIAL MEDIA

Over the last year, the Epilepsy Foundation has refined our social media strategy to meet ever changing technology and community use patterns. These adaptations have continued our social media’s rapid growth, reach, and engagement as more and more people impacted by seizures find and connect with the Foundation — and each other — on our channels every day.

The Foundation’s strategy involves sharing educational information and resources from epilepsy.com that help people with epilepsy and their caregivers understand and manage their seizures. In addition to posts about national events and initiatives, such as the Pipeline Conference and National Walk for Epilepsy, our channels also share activities and photos from the Foundation’s affiliate network and breaking news from the top scientists and medical professionals in the field of epilepsy research, treatment, and care. Finally, our channels provide a safe place for community members to ask questions and give support to each other.

“I just want to say a big thanks. Your page has helped me deal better with my epilepsy due to reading people’s stories on your comments! Thank you.” — Joe via Facebook

Social Media: Sharing Successes and Finding Support

In December of 2013, Eric “Deuce” Eaddy, one of our 2013 National Walk for Epilepsy Heroes, celebrated two years seizure-free. His mom, Tamikko, expressed her gratitude for the community’s encouragement by sharing a photo with the following message of support on the Epilepsy Foundation’s Facebook page:

“I don’t want to make his or anyone’s condition seem any worse or better. A seizure is a seizure. No matter how big or small,” she said. “It’s not going to stop me from fighting and being there for the next mom with a child with seizure.”

Tamikko Eaddy is not the only community member who has found solace in and support from the Epilepsy Foundation’s social media streams. In a private Facebook message, “John” described how the Facebook community helps him continue to fight against seizures: “For 3 and a half years I have battled epilepsy. And when I get knocked down, I get back up and fight again,” he said. “I am proud to have found a group who will stand with not just me, but those who also battle, or the ones who may have to fight for the loved ones that cannot on their own. Thank you.”

In addition to support and encouragement, the Epilepsy Foundation’s social streams also give followers strength. “Lynn,” who also shared her sentiments via a private Facebook message, noted that the Epilepsy Foundation’s communities regularly motivate her. “I just would like to tell you how inspiring you guys are to me, even living with epilepsy,” she said. “Some of the things you post are so helpful and seeing other stories of people who face the same battles I do encourages me that I’m not facing the fight alone! As of today, I am 11 months seizure-free! I hope to see more stories from y’all and want to thank you again for your support of those of us living with epilepsy!”

A STORY OF INNOVATION IN DIGITAL EDUCATION AND AWARENESS
The Epilepsy Foundation is dedicated to ensuring that people with epilepsy can experience all that life has to offer. Athletes vs. Epilepsy affirms this positive message and embodies it through action.

The Athletes vs. Epilepsy initiative strives to bring greater awareness to epilepsy through appearances and participation by athletes of all levels — from little league to the professionals. The nationwide program galvanizes athletes, coaches, volunteers, and fans to bring awareness to epilepsy and raise funds to continue the Foundation’s mission to stop seizures and SUDEP, find a cure, and overcome the challenges created by epilepsy through efforts including education, advocacy, and research to accelerate innovative ideas into therapies.

The initiative reinforces that anyone, regardless of athletic talent, can help to raise awareness about seizures and fundraise for the Epilepsy Foundation. Participation and fundraising is accomplished through three major event categories: Signature Events (such as half and full marathons), Choose Your Own Events (local community events), and DIY Events (in which supporters create their own event).

To join the Athletes vs. Epilepsy program, visit epilepsy.com/AthletesvsEpilepsy.

ATHLETES VS. EPILEPSY

The Foundation has recruited notable athletes to serve as a leadership board and spokespeople, including the following:

- **Chanda Gunn,** Olympic ice hockey medalist
- **Dalton Richey,** high school athlete
- **Jerry Kill,** head football coach, University of Minnesota
- **Michael Poole,** professional triathlete

Zach McGinnis, professional swimmer and Athletes vs. Epilepsy spokesperson.
LOCAL EPILEPSY FOUNDATIONS

Alabama
Epilepsy Foundation Alabama
Mobile

Alaska
Epilepsy Foundation Northwest
Seattle, WA

Arizona
Epilepsy Foundation Arizona
Phoenix

California
Epilepsy Foundation Greater Los Angeles
Los Angeles
Epilepsy Foundation Northern California
San Francisco
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Idaho
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Illinois
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Belleville
Epilepsy Foundation North/Central Illinois
Iowa & Nebraska
Rockford

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Epilepsy Foundation Greater Cincinnati
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Indianapolis
Epilepsy Foundation Kentuckiana
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and Columbus
Cincinnati, OH
Epilepsy Foundation Kentuckiana
Louisville

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Epilepsy Foundation Chesapeake Region
Towson

Massachusetts
Epilepsy Foundation New England
Boston

Michigan
Epilepsy Foundation Michigan
Southfield

Minnesota
Epilepsy Foundation Minnesota
Saint Paul

Mississippi
Epilepsy Foundation Mississippi
Flowood

Missouri
Epilepsy Foundation Missouri & Kansas
Saint Louis

Montana
Epilepsy Foundation Northwest
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Epilepsy Foundation North/Central Illinois
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New Hampshire
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Epilepsy Foundation New Jersey
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New York
Epilepsy Foundation Long Island
Garden City
Epilepsy Foundation Metropolitan New York
New York
New York City
Epilepsy Foundation Northeastern New York
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Epilepsy Foundation Rochester-Syracuse-Binghamton
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North Carolina
Epilepsy Foundation North Carolina
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North Dakota
Epilepsy Foundation Minnesota
Saint Paul, MN

Ohio
Epilepsy Foundation Greater Cincinnati and Columbus
Cincinnati
Epilepsy Foundation Western Ohio
Dayton

Oregon
Epilepsy Foundation Northwest
Seattle, WA

Pennsylvania
Epilepsy Foundation Eastern Pennsylvania
Philadelphia
Epilepsy Foundation Western/Central Pennsylvania
Pittsburgh

Puerto Rico
Sociedad Puertorriqueña De Epilepsia
Bayamón

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Epilepsy Foundation New England
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Epilepsy Foundation East Tennessee
Knoxville
Epilepsy Foundation Middle & West Tennessee
Nashville
Epilepsy Foundation Southeast Tennessee
Chattanooga

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Epilepsy Foundation Central & South Texas
San Antonio
Epilepsy Foundation Texas - Houston/Dallas-Fort Worth/West Texas
Houston

Virginia
Epilepsy Foundation Virginia
Charlottesville

Vermont
Epilepsy Foundation Vermont
Rutland

Washington
Epilepsy Foundation Northwest
Seattle

Wisconsin
Epilepsy Foundation Heart of Wisconsin
Madison
Epilepsy Foundation Southeast Wisconsin
Milwaukee
Epilepsy Foundation Western Wisconsin
Eau Clair
The Epilepsy Foundation is a community-based, family-led organization dedicated to helping all people impacted by epilepsy and seizures. We are fortunate to have a cross-section of leaders from business, technology, finance, and the epilepsy community among our leaders. They all subscribe to our mission of stopping seizures and SUDEP, finding a cure, and overcoming the challenges created by epilepsy through efforts including education, advocacy, and research to accelerate ideas into therapies. The Board of Directors is responsible for governance and has fiduciary responsibility for the success of the organization and mission.

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The Professional Advisory Board (PAB) is composed of epilepsy experts across a wide range of medical disciplines. The PAB provides strategic and creative direction across the Epilepsy Foundation’s portfolio of programs, services, and initiatives. The PAB also provides expert advice and advocacy support for mission-focused state and federal issues involving people with epilepsy, including access to care and regulatory concerns.

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Volunteers hand out snacks at the National Walk for Epilepsy.

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The Business Advisory Board (BAB) is composed of leaders in the life-sciences and finance world with experience in the pharmaceutical, biotechnology, medical device, investment banking, venture capital, and financial management industries. BAB members assess grant and investment opportunities and provide advice and direction to support the commercialization of new therapies. BAB members also work with the Scientific Advisory Board and Board of Directors in setting the Foundation’s strategic direction to guide the organization and our programs.

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The Scientific Advisory Board (SAB) is composed of leading epilepsy researchers from both academia and industry with expertise spanning a broad range of disciplines. SAB members assess grant and investment opportunities and also share their expertise to guide researchers in most effectively advancing new therapy projects. The SAB also provides strategic direction to guide the programs of the organization.

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Robert W. and Terri Smith — A Family Investment and Commitment

Robert (Bob) and Terri Smith’s son, Andy, was diagnosed with partial onset seizures 16 years ago. Since then, the Smiths have become epilepsy advocates and carry the torch for those affected by seizures.

Andy himself also has become an epilepsy advocate. He has been involved with the Epilepsy Foundation for more than eight years and is a former member of the Foundation’s Youth Council. Last June, he was an Epilepsy Pipeline Conference Shark Tank judge. He now works in venture capital in Philadelphia and is a successful young man who has overcome the challenges associated with seizures.

“I dare each individual affected by epilepsy to have a positive attitude,” Andy said in a recent interview. “From my experience, epilepsy has many obstacles, from medication changes to going through transitional stages in life, and you MUST be positive and drive forward to break the stigma and motivate others to do the same.”

The Smiths believe in giving back to the epilepsy community, which is why Bob is a current member of the National Board of Directors. “I believe people support causes that are dear to their hearts and are making a difference nationwide and around the world,” Bob said. “In the case of the Epilepsy Foundation, our investment can have significant impact by identifying new therapy developments and technologies or through breaking down stigma around epilepsy for the Andys in the world. More and more, Terri and I channel our giving into things that are close to us. The Epilepsy Foundation is an organization very near and dear to us.”

The Smith family has committed more than $800,000 in support of the Foundation’s mission and critical new therapy research.

“From the very beginning of my tenure at the Foundation, Bob and Terri Smith have been faithful partners and generous philanthropists,” said Philip Gattone, president and CEO of the Epilepsy Foundation. “Their passion is steadfast and their commitment is unwavering. We are most thankful for their support.”
Nathan McInerney — In a Moment, Life Changed

We at the Epilepsy Foundation are very fortunate to have amazing support from families who have gone through some significant struggles, but are working with us to help make a difference for them and for the millions of other people impacted by epilepsy and seizures. Here is one family’s example:

On May 28, 2013, we were thrust into the world of epilepsy when Nathan suffered a seven-minute, full-body, tonic-clonic seizure. This was the first sign of what would eventually be diagnosed as Doose Syndrome, a form of epilepsy. Over the summer of 2013, we struggled to understand what was happening to our 4-year-old son. He had led a perfectly healthy and normal childhood until that time.

On August 4, Nathan suffered 12 more seizures. This was when we realized his seizure on May 28 was not a one-time event. Over the course of summer, fall, and into the holiday season, Nathan suffered many hundreds of myoclonic seizures and around 150 tonic-clonic seizures.

Before his first seizure, Nathan had been fluent in three languages (English, Spanish, and Italian), but by Christmas he had lost the ability to speak in any language. Finally, through the combination of many blessings from the Lord, the ketogenic diet, and our third drug attempt, we found a combination of solutions that stopped the seizures as 2014 began. With the exception of a handful of short seizures, Nathan has been seizure-free since March 2014. With therapy, prayer, and a lot of support from family and friends, we have managed to make it through the dark time and into a new period filled with hope and happiness. Now as he celebrates his 6th birthday, he is thriving with his languages, his learning and development, and enjoying life as a normal child.

By Matt and Amy McInerney

Editor’s Note: The McInerney family has been a very generous supporter of the Epilepsy Foundation, giving tens of thousands of dollars to help support our mission.

“... We have managed to make it through the dark time and into a new period filled with hope and happiness.

—Matt and Amy McInerney

Matt McInerney with his sons Noe and Nathan.
The Epilepsy Foundation is pleased to recognize the following corporations and foundations for their generous support and partnership. The following companies further our mission of providing education and research grants to fund activities that help people with epilepsy and their families.

### CORPORATE AND FOUNDATION PARTNERS FOR FISCAL YEAR 2014

**$250,000+**
- Eisai Corporation
- Lundbeck, Inc.
- SAVERS, Inc.
- Sunovion Pharmaceuticals, Inc.
- UCB Pharma, Inc.
- Upsher-Smith Laboratories

**$100,000–$249,000**
- Pfizer, Inc.

**$50,000–$99,000**
- AbbVie, Inc.
- GlaxoSmithKline

**$10,000–$49,000**
- Acorda Therapeutics, Inc.
- Cyberonics
- The Cyberonics Hope Charity Foundation
- NeuroPace, Inc.
- Pharmaceutical Research and Manufacturers of America (PhRMA)
- Supernus Pharmaceuticals, Inc.
- Visualase, Inc.

**UNDER $10,000**
- Danny Did Foundation
- Medtronic
- Nutricia North America, Inc.
- Questcor Pharmaceuticals, Inc.
- Smart Monitor
We are immensely thankful to these individuals and families who show extraordinary generosity by leaving legacy gifts to the Foundation in their wills and estate plans. Their gifts help ensure the long-term sustainability of the Epilepsy Foundation’s mission. Members of the Candle of Light Society come from all walks of life — with different income levels, professions, and passions.

Because of their indelible love of life and concern for others, their thoughtfulness will never be extinguished, and their gifts will remind us how each of us can make a difference in lives impacted by epilepsy and seizures.
KEEPERS OF THE FLAME SOCIETY

Friends of the Epilepsy Foundation can qualify for membership in the Keepers of the Flame Society — our highest level of recognition — with an annual gift of $500 or more. Keepers of the Flame Society members are an elite group of supporters who take a leadership role in the future of the Epilepsy Foundation and the epilepsy community. Through their remarkable giving, these philanthropic investors enable the Foundation to strive to become the world’s most respected epilepsy organization. These special gifts allow the Foundation to reinvest these resources to uphold its mission and to ensure that people with seizures have the opportunity to live their lives to their fullest potential.

To join the Keepers of the Flame Society, please contact Donor Services at (800) 213-5821 or rdev@efa.org.

$100,000 & above
Anonymous
Bari Milken Bernstein & Fred Bernstein
Frank & Jeanne Fischer
Warren Lammert
Jim Lintott & May Liang
James & Maureen McInerney
Matt & Amy McInerney
Robert W. & Terri Smith

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Tina Brookhouse
Roger J. Porter
Walter & Lucille Rubin

$20,000–$49,999
Catherine Brown
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Brooke Gordon
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Singer Family Foundation

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William L. Kochenour II DDS
MS PA
Report from the Chief Financial Officer

The Epilepsy Foundation’s Fiscal Year 2014 reflected further stabilization of its financial health while still investing in its future capabilities. Net assets, the not-for-profit equivalent of owners’ equity in the private sector, grew for the first time in several years.

Revenues increased modestly over the prior year. The change reflected higher contributions and event revenues, investment gains driven by favorable markets, and a gain due to a favorable restructuring of the Foundation’s lease. These items were partially offset by reduced government grant revenue due to the ending of the HRSA grant and lower amounts from the Centers for Disease Control and Prevention (CDC) grant.

Total expenses declined slightly as the reduced government grant revenue resulted in lower program outlays in some areas. Partially offsetting the lower program expenditures were significant investments in fund development capacity and outlays related to the successful launch of the new epilepsy.com website and other marketing, branding, and communications initiatives.

The Foundation’s balance sheet was strengthened with the successful renegotiation of lease terms for its headquarters. The Foundation was relieved of a large and growing liability to pay for significant amounts of unused space required under the original lease commitment made years earlier. The restructure will reduce future rental expense by more than 40% and will save approximately $1.5 million over the next several years.

Lee Gaston
Chief Financial Officer
Epilepsy Foundation
### COMBINED STATEMENTS OF FINANCIAL POSITION

<table>
<thead>
<tr>
<th></th>
<th>As of June 30</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2014</td>
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<tr>
<td><strong>ASSETS</strong></td>
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<tr>
<td>Current assets</td>
<td>5,287</td>
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<tr>
<td>Non-current contributions receivable</td>
<td>100</td>
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<tr>
<td>Beneficial interest in perpetual trusts</td>
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<tr>
<td>Investments</td>
<td>7,356</td>
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<tr>
<td>Property and equipment, net</td>
<td>1,182</td>
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<tr>
<td>Other</td>
<td>92</td>
</tr>
<tr>
<td><strong>TOTAL ASSETS</strong></td>
<td>17,516</td>
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<tr>
<td><strong>LIABILITIES AND NET ASSETS</strong></td>
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<tr>
<td>Current liabilities</td>
<td>4,329</td>
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<tr>
<td>Non-current grants payable</td>
<td>-</td>
</tr>
<tr>
<td>Net assets</td>
<td>13,187</td>
</tr>
<tr>
<td><strong>TOTAL LIABILITIES &amp; NET ASSETS</strong></td>
<td>17,516</td>
</tr>
</tbody>
</table>

### COMBINED STATEMENTS OF ACTIVITIES

<table>
<thead>
<tr>
<th></th>
<th>For the year ended June 30</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2014</td>
</tr>
<tr>
<td><strong>REVENUE</strong></td>
<td></td>
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<tr>
<td>Contributions</td>
<td>7,970</td>
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<tr>
<td>Government grants</td>
<td>3,818</td>
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<tr>
<td>Affiliate dues</td>
<td>390</td>
</tr>
<tr>
<td>Special events, net of direct cost</td>
<td>866</td>
</tr>
<tr>
<td>Investment income</td>
<td>949</td>
</tr>
<tr>
<td>Other</td>
<td>1,331</td>
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<tr>
<td><strong>TOTAL REVENUE</strong></td>
<td>15,324</td>
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</tbody>
</table>

### EXPENSES

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Program services</td>
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<tr>
<td>Research</td>
<td>3,237</td>
<td>3,518</td>
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<tr>
<td>Public health education</td>
<td>2,338</td>
<td>2,457</td>
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<td>Professional education</td>
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<tr>
<td>Community services</td>
<td>4,238</td>
<td>4,992</td>
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<td>Patient services</td>
<td>731</td>
<td>863</td>
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<td>Supporting services</td>
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<td>Management and general</td>
<td>1,634</td>
<td>1,610</td>
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<tr>
<td>Fundraising</td>
<td>2,704</td>
<td>1,972</td>
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<tr>
<td><strong>TOTAL EXPENSES</strong></td>
<td>14,934</td>
<td>15,465</td>
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<tr>
<td>Change in net assets</td>
<td>390</td>
<td>(314)</td>
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<td>Net assets beginning of year</td>
<td>12,797</td>
<td>13,111</td>
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<tr>
<td>Net assets end of year</td>
<td>13,187</td>
<td>12,797</td>
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</tbody>
</table>
WHAT’S YOUR STORY?
My daughter is NOT Defined by Epilepsy 1 yr SEIZURE Free.