

Annual Report 2013

World Stroke Organization (WSO)

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WSO background and Mission Statement

The World Stroke Organization (WSO) is recognized as the lead global organization for stroke by the World Health Organization.

Our mission

is to reduce the global burden of stroke through prevention, treatment, and long-term care.

Our aims

are to foster the best standards of practice, to increase stroke awareness, to influence policies for prevention of stroke and vascular dementia, to improve health services, to provide education through collaboration with private and public organizations, to facilitate stroke research, and to advocate and foster systems for long-term support of stroke survivors and their families.

Every 6 seconds someone dies from stroke.

6 million

people will die from stroke each year.

However, up to

90% of strokes are preventable if the risk factors are managed appropriately.

Letter from the President



Stephen Davis, WSO President

I am pleased to report a very successful year for WSO, including substantial growth of our membership, important global activities, exciting developments with the International Journal of Stroke and the World Stroke Academy, great work done by our various committees and the promise of a most successful 9th World Stroke Congress in Istanbul.

The year 2013 began with the relaunch of WSO's on-line learning resource, the World Stroke Academy in a new and innovative, interactive format developed by Wiley. Five CME accredited e-learning modules were launched during the year. Many improvements are being introduced by the Editor Michael Brainin and the WSA remains open access, without cost to users in line with our mission. WSO continued to share medical and scientific information internationally through the *International Journal of Stroke*, edited by Geoff Donnan, which has an impact factor close to 3 and is a highly successful flagship for our organization. I am also pleased to announce that we now have an *International Journal of Stroke* iPad® Application.

During the year, WSO also strengthened its role in bringing stroke to the forefront of the global health agenda under Bo Norrving, Chair of our Global Policy Committee. WSO was actively involved in the preparation of the global action plan for Noncommunicable Diseases (NCDs), which was adopted at the World Health Assembly in May. A major milestone was that WSO was granted Special Consultative Status by the Economic and Social Council (ECOSOC) in July. Many WSO Executives, including myself, were invited to address congresses and other high level events around the world. All of this activity has contributed to make the voice of stroke heard at a global level!

The World Stroke Day (WSD) 2013 marked the continuation of the two-year theme "1 in 6" Because I Care. There were many outstanding campaigns around the globe and hundreds of thousands of people in over 90 countries helped to raise the awareness of the risks associated with stroke. I attended WSD events and gave lectures on the principles and challenges of acute stroke management in both Hanoi and Ho Chi Minh City (Vietnam). There was extensive print, TV and electronic media coverage of both events and attendance by Vice-Ministers of Health. After Vietnam, I went to Myanmar, where I attended WSD activities together with Michael Brainin. In Myanmar, with a population of 55 million, there are no stroke units, only 25 neurologists in the entire country and the challenges are enormous. We were again able to emphasize the importance of the development of stroke units, which have been shown to be effective in low and middle income settings. Based on the successful program in Vietnam, WSO has signed a letter of agreement with the Health Ministry in Myanmar to conduct the Cardinal



Principles of Stroke Management program, involving collaboration with stroke experts in Myanmar and with a rollout over three years in the major cities. Demonstrating the strength of involvement in the world, there were over 90 entries for the World Stroke Day awards. Congratulations to the Swedish Association of Local Authorities and Regions for the top award and also to the second and third prize winners, the American Stroke Association and the Grupo Stroke del Peru.

Our relations with industry continue to strengthen as we increased the number of industry partners and held our first Industry Board meeting during the World Congress of Neurology in Vienna, in September. This was a most successful engagement with our industry partners. Over 10 companies were present and these meetings will be held twice each year.

During the year, we welcomed more than 400 new individual members. This brings us to over 1'650 individual members and over 55 society members. We have signed partnership agreements with a number of societies for joint membership and more will be signed in 2014, with an expected membership of over 2000 by the end of the year. We have great involvement of our stroke support organizations (SSO's). This SSO committee, chaired by Natan Bornstein, is currently planning the second phase of the SSO Toolkit, which will involve an implementation phase aimed at supporting the developments of new SSO's around the World.

I am certain that 2014 will prove to be an equally exciting year with the 9th World Stroke Congress (WSC) taking place in Istanbul between 22nd and 25th of October. The WSC serves as the convening event for experts in stroke management from around the world. Werner Hacke has played the leadership role in organizing the congress, with excellent input from our Turkish colleagues led by Kursad Kutluk. Preparations are also well underway for the WSC 2016 which will be held in Hyderabad, India. During 2014 WSO is also planning to conduct various teaching courses around the world, to launch a Global Stroke Bill of Rights coordinated by Erin Lalor and a global set of basic guidelines for stroke care, the committee led by Patty Lindsay. Our research committee, Chaired by Ralph Sacco, is formulating the key global research priorities.

Finally, I would like to thank all our board members, and especially WSO's Immediate Past President Bo Norrving, partners, members and the WSO Secretariat for all their help and support during the year.

We have a growing, harmonious and vibrant organization. Please join us in the battle against stroke! I believe that together we can really make a difference.

Stephen Davis, WSO President



The Year in Brief

Awareness

World Stroke Day

On October 29th, World Stroke Day, marked a day of collaborative efforts around the world towards the shared cause of raising stroke awareness and improving stroke care. WSO is grateful to all of those who devoted their enthusiasm and energy to make **each** campaign a continued success. Without this, World Stroke Day messages would not have reached the number of people it has to date nor have had the impact it now has. Together and united, we will win the fight against stroke!

With the slogan "Because I care", this year's World Stroke Day celebrated the contributions of care givers, family, and close friends, and launched activities and events around the importance of sharing stroke knowledge. The reports we received showed the unprecedented success of campaign.

- From Abuja
Albuquerque, Caracas
Chiang Mai, Sao Paolo
Stockholm, World Stroke
was commemorated in more
than 90 countries
- World Stroke Day messages were heard in nearly 25 languages, from Spanish to Swahili, from Mandarin to Macedonian to Mongolian...
- World Stroke Day events engaged people in diverse ways, including scientific lectures, free blood pressure exams, a stroke awareness walk, and the launch of a stroke prevention iPhone® application.
- World Stroke Day activities and initiatives reached audiences around the world, appearing in over 1,500 newspaper articles and over 30 TV broadcasts

The top prize was awarded to the Swedish Association of Local Authorities and Regions. The second and third prizes were given to the American Stroke Association and to the Grupo Stroke del Peru, respectively. For the first time, a special prize was awarded to an individual who took on the personal task of educating his community about stroke. The distinction was given to Dr Dinesh Khandelwal from Jaipur, India. The Honorable Mention prize went to the Mongolian Stroke Association of Ulaan Baatar.



Top: World Stroke Day celebrations in Hong Kong
Left: World Stroke Day activities in Nigeria
Right: Promoting awareness of stroke symptoms for World Stroke Day in the USA
Bottom: Swedish Stroke Campaign

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Global Stroke Bill of Rights

A principal activity of the World Stroke Campaign in 2013-2014 is the development of a Global Stroke Bill of Rights. The rationale behind this initiative is the urgent need for:

- Increased Stroke awareness among the population and government
- A global policy on stroke prevention, improved health services and long term support for survivors
- Enhanced advocacy: putting a face to the fight against stroke in as much as other diseases have, such as, AIDS, cancer, and tuberculosis.
- A call-to-action reference document for advocates

While similar documents exist in some countries such as Australia and the United Kingdom, there is no “global” version.

The objective of this activity is to develop a stroke survivor/carer Bill of Rights written by stroke survivors and carers based on consultation with other stroke survivors and carers from around the world. It will consider survivor priorities across the continuum from

prevention, to acute care, rehabilitation and long term support. It is envisioned that this Bill of Rights will become a foundation document to support delivery of ongoing WSO member activities and to support global and local advocacy.

The World Stroke Campaign Committee is overseeing the project in close consultation with the Stroke Support Organizations Committee. In consultation with a larger global reference group, the Bill of Rights will be written by a core working group. Six stroke survivors and one carer from Australia, Brazil, India, Norway, Singapore, South Africa and the United States are lending their support to WSO. The first face-to-face meeting of the core group took place in September 2013 in Vienna, Austria and was held on the margins of the 2013 World Congress of Neurology. The reference group is currently comprised of a stroke survivors and carers from Australia, Canada, Finland, Germany, Iceland, India, Israel, Japan, Poland, Sri Lanka, Sweden, UK and USA. The Bill of Rights will be launched at the World Stroke Congress in Istanbul in October 2014.



Stroke Solidary String

The Stroke Solidary String was launched at the World Stroke Congress in 2012. The string is the symbol of global stroke awareness and symbolizes the connection between all people touched by stroke, the flow of blood and the healthy function of the brain and body. Since the launch, 7 WSO member organization have signed up to be a lead implementing agency for the string. These are: Australia, Brazil, Barbados, Finland, India, UK and USA. We estimate that over 100'000 strings have been distributed since the launch. Proceeds from sales of the stroke solidarity string go towards activities and initiatives sponsored by the lead implementing agencies.



The Stroke Solidary String



Dr Ei Saing putting the Stroke Solidary String on His Excellency, Dr. Pe Thet Khin the Minister of Health, of Myanmar



Advocacy

“

WSO has a major focus on global policy, working in our official relationship with the World Health Organization in addition to our close collaboration with major regional stroke organizations, including the American Stroke Association, the European Stroke Organization, and the Asia Pacific Stroke Organization. In 2013, WSO was granted special consultative status by the Economic and Social Council of the United Nations. Given that collectively, Noncommunicable Diseases (NCDs) constitute the greatest causes of mortality and disability in the world and many risk factors and strategies are common to all NCDs, WSO works closely with other related NGOs and the NCD Alliance. In May 2013, the World Health Assembly in Geneva endorsed the World Health Organization Global action plan for the prevention and control of NCDs 2013–2020 and adopted the global monitoring framework on NCDs with an overarching aim to reduce NCD mortality by 25% by 2025. The global targets include attention to all major risk factors for stroke, also anticoagulation for atrial fibrillation and organized stroke care in stroke units. A global coordination mechanism for NCD actions will be developed at World Health Organization and at the United Nations.

In 2013 WSO formed an alliance with the World Hypertension League and works with this group to promote reduction of salt and tobacco consumption. WSO strongly advocates organized care in stroke units, which are cost-effective, with validated benefits in low-income countries.

Because stroke is a leading cause of disability, in 2013 WSO supported the Convention on the Rights of Persons with Disabilities. This is a vital framework for creating legislation and policies around the world that embraces the rights and dignity of all people living with disability.



The Year in Brief

Education

World Stroke Academy



The World Stroke Academy (WSA) is a key project of the World Stroke Organization and aims to improve stroke education on a global scale. The WSA is an online portal which provides information about stroke for health

professionals and physicians, in order to improve prevention, therapy and management of stroke.

WSA was revamped and relaunched in 2013. The platform is now hosted by Wiley Health Learning and the Editor in Chief is Michael Brainin. The content on the platform is grouped in chapters to allow easy navigation.

The chapters are built around the CME-accredited e-learning modules that are the central part of the learning program. The platform also includes multimedia components, e.g. webcasts, podcasts, original articles, and further reading lists. WSA contains some premium content only for WSO members including a stroke atlas¹, a three-dimensional (3D) interactive tool correlating cerebrovascular pathology with the underlying surface and sectional neuroanatomy as well as the resulting neurological deficits. During the year, four modules have been published.

Further improvements of the platform including an iPhone® app and six new modules are planned for 2014.

Teaching programs

In October 2013, WSO President, Stephen Davis and Michael Chopp led a teaching program in both Hanoi and Ho Chi Minh City, Vietnam. Over 600 doctors in Hanoi and 500 doctors in Ho Chi Minh City attended the lectures on acute stroke management, and scientific advances in neurogenesis, neuroplasticity and brain recovery after stroke. One result of the program has been a commitment by the Vice Ministers of Health in both cities to developing stroke services in Vietnam.



President Stephen Davis giving a teaching course in Vietnam



President Stephen Davis visiting a hospital in Vietnam

Stephen Davis and Michael Brainin conducted a teaching course in Yangon, Myanmar in October 2013. They were able to emphasize the importance of the development of stroke units, which have been shown to be effective in low and middle income settings. This is especially important in Myanmar due to the lack of stroke units and the small number of neurologists for a country of 55 million people. Based on the successful program in Vietnam, WSO has signed a letter of agreement with the Health Ministry in Myanmar to conduct the Cardinal Principles of Stroke Management program, involving collaboration with stroke experts in Myanmar and with a rollout over three years in the major cities.

¹ Created by Biomedical Science Division, Exploit Technologies Pte. Ltd. (A*STAR) and licensed to WSO.

“ The Year in Brief

In July 2013, Peter Sandercock represented WSO at a three-day sub-Saharan regional teaching course for young neurologists in Dakar, Senegal which involved 53 participants from 23 African countries and collaboration with WFN, ENS and EFNS. The program included a half-day workshop on publishing papers and was targeted at developing professionals in the sub-Saharan to tackle the growing epidemic of NCDs in the region. Following the success of this course, WSO has committed to be involved in a similar program in 2014 in Zambia.

WSO also collaborated with the World Federation of Neurology to support joint funding for an international maternal newborn stroke registry.

WSO offered scholarships to three candidates for the European Master in Stroke Medicine, Danube University Krems (Austria). The program was developed by the European Stroke Organisation (ESO) and is endorsed by the WSA for academic medical specialty training in stroke medicine. The course aims to impart specialized scientific as well as practical knowledge and offers a complete coverage of the field of cerebrovascular diseases. The scholarships are open for WSO members.

*Left: Teachers and students of the European Masters of Stroke 2013/2014
Middle: Stephen Davis and Michael Brainin with His Excellency the Minister of Health, Dr. Pe Thet Khin, in Myanmar Celebrating World Stroke Day 2013
Right: Teachers and students of the teaching course in Dakar, Senegal*



Stroke Support

2013 saw a continuation of the initiative to further the development of Stroke Support Organizations (SSO's) and to increase membership in WSO and improve promotional and informative materials.

WSO continued the SSO toolkit project, an online and print publication, which is now available in over ten languages to those looking for a way to support stroke survivors in their region. It supports the growth and development of SSOs where they are not yet available. The toolkit uses a step-by-step template for would-be and developing organizations to follow, including advised outcomes and case-study examples. The toolkit was developed by interviewing current SSOs to determine what information was most needed for SSO growth and development.

Personal assistance and consultation have also been given to numerous people around the world who would like to set up stroke support organizations, however it is

recognized that this is inadequate for those countries with limited accessibility to resources. Consequently, a proposal for a second stage to the toolkit was accepted by the WSO Board. This would include the appointment of a SSO Development Officer for a 3 year project to be overseen by the SSO committee.

Considerable effort has been invested in developing various means by which information can be disseminated and communication improved between the many SSO throughout the world, including an upgrade to the SSO section on the WSO website, development of leaflets for distribution at relevant events and the inclusion of a SSO blog on the IJS site. In addition a repository of patient material has been compiled with contributions of materials from throughout the world.

Membership

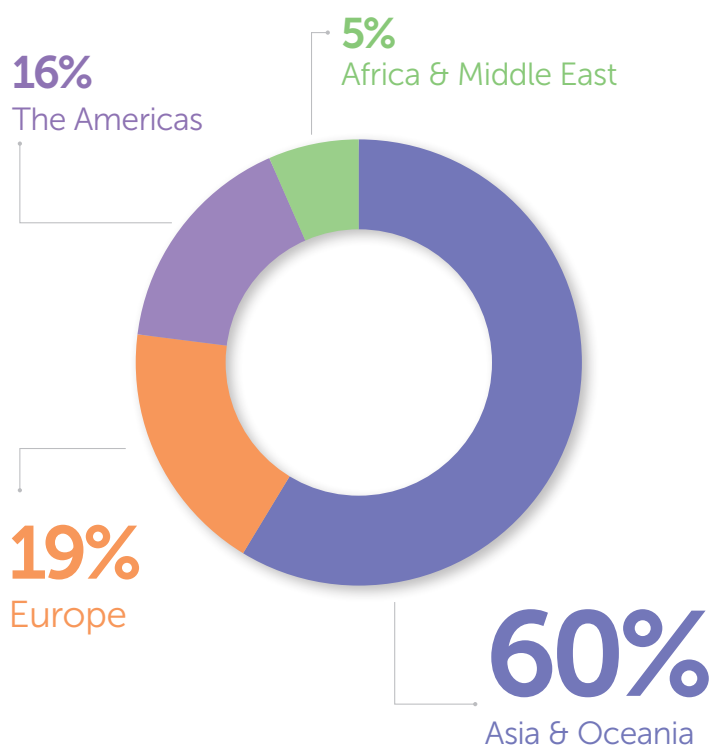
2013 was an exciting year in terms of membership growth. WSO welcomed over 400 new individual members and several new society members. The organization now counts its highest number of members ever - over 1'650 individual members and 55 society members! Several society members have signed partnership agreements with WSO to enable their members to benefit from a reduced WSO membership fee.

The year was also successful in improving communication and providing relevant information to members, mainly through the website and quarterly newsletter.

We have ambitious plans to continue to grow our membership base and better represent the interests of the global stroke community. For this reason, a promotional video was developed with the aim of engaging people to become members. We also count on our existing members to spread the word and promote membership among their networks.

In 2015, there are plans to open up membership for lay people with an Affiliate Members/Supporters group. More information about this project will be available closer to the 9th World Stroke Congress in Istanbul, October, 2014.

Individual Membership by Region



WSO's Society Members as of December 31, 2013

Regional-National Scientific Societies

National Stroke Research Institute; *Australia*
 Aphasia United; *Australia*
 Stroke Society of Australasia; *Australia*
 Belgian Stroke Council; *Belgium*
 Brazilian Stroke Society; *Brazil*
 Brazilian Stroke Network; *Brazil*
 Society of Cameroonian Neurologists; *Cameroon*
 Canadian Stroke Consortium; *Canada*
 Canadian Stroke Network; *Canada*
 Beijing Stroke Association; *China*
 Stroke Prevention and Control Society, Chinese Preventive Medicine Association (SPCS, CPMA); *China*
 The Danish Stroke Society; *Denmark*
 Egyptian Cerebro-Cardio-Vascular Association; *Egypt*
 The Finnish Stroke Society; *Finland*
 German Stroke Society; *Germany*
 Hellenic Stroke Society; *Greece*
 Yayasan Stroke Indonesia; *Indonesia*
 Neurosciences Research Center (NSRC)-Tabriz; *Iran*
 Korean Stroke Society; *Korea, South*
 Malaysian Society of Neurosciences; *Malaysia*
 Iberoamerican Society of Cerebrovascular Diseases; *Mexico*
 Mongolian Stroke Association; *Mongolia*
 Section of Cerebrovascular Diseases Polish Neurological Society; *Poland*
 Romanian National Stroke Association; *Romania*
 National Stroke Association of The Russian Federation; *Russia*
 Spanish Society of Neurology -GEECV; *Spain*
 National Stroke Association of Sri Lanka; *Sri Lanka*
 Swiss Stroke Society; *Switzerland*
 European Stroke Organization; *Switzerland*
 Taiwan Stroke Society; *Taiwan*
 Thai Stroke Society; *Thailand*
 Turkish Cerebrovascular Disease Society; *Turkey*
 Ukrainian Anti-Stroke Association (UASA); *Ukraine*
 British Association of Stroke Physicians (BASP); *UK*
 NIH Stroke Research Network; *UK*
 American Stroke Association; *USA*

Stroke Support Organizations

National Stroke Foundation; *Australia*
 Heart Stroke Foundation of Barbados Intl.; *Barbados*
 Brazilian Stroke Association; *Brazil*
 Acao AVC; *Brazil*
 Amor Vida Cuidado; *Brazil*
 Heart Association Bulgaria; *Bulgaria*
 Heart and Stroke Foundation of Canada; *Canada*
 Finnish Brain Association; *Finland*
 Indian Stroke Association; *India*
 Stroke Foundation of Bengal, India; *India*
 Neeman Association for Stroke Survivors Israel; *Israel*
 Alice Italia Onlus; *Italy*
 Japan Stroke Association; *Japan*
 Stroke Action; *Nigeria*
 Serbian Stroke Association; *Serbia*
 The Heart and Stroke Foundation South Africa; *South Africa*
 FRAGILE Suisse; *Switzerland*
 Stroke Alliance for Europe; *UK*
 The Stroke Association; *UK*
 National Stroke Association; *USA*
 YoungStroke, Inc.; *USA*
 International Alliance for Pediatric Stroke; *USA*



Success Stories –

how WSO had an impact on stroke service in one country

The World Stroke Congress held in Brazil in October 2012, was very successful and has had a lasting impact in the country. The congress was endorsed by the Brazilian Ministry of Health with His Excellency Alexandre Padhilla, the Minister of Health, delivering the Welcome Remarks at the Opening Ceremony wherein he referred to Brazil's commitment and efforts in to reduce the burden of stroke.

To further show Brazil's commitment and dedication to the fight against stroke, selected government and historical landmarks in Brasilia, such as the Ministry of Health, were illuminated in the colour of the stroke solidarity string - indigo - during the WSC.

During the 14 month period since WSC 2012, 32 new stroke units were opened in Brazil, with nine more scheduled to open in 2014. In those regions where stroke units have been introduced, the improvement in stroke care is impressive - a reduction of 12% in the death rate caused by stroke.

The congress really helped stroke to get the attention it deserves on the Brazilian health agenda.

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This is an incredible achievement!

We know that we still have a lot to improve but across the country there is a collective effort to continue improving stroke care. I hope that WSO can help other regions and countries as they did in Brazil.

*Dr Sheila Martins,
President Brazilian Stroke Society*

Financial Report

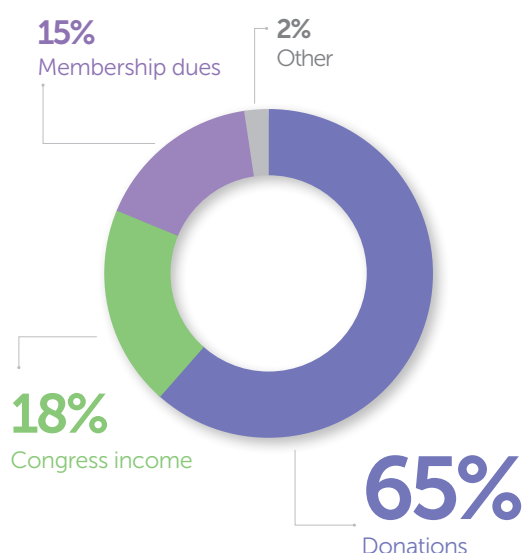
WSO is in a sound financial position at the end of reporting year 2013 despite closing the year with a deficit of USD 116'000. The reduced earnings in 2013 were mostly due to higher costs of WSA, contributions to the Journal and the costs of the World Stroke Campaign and related issues. Income from Industry Partners represented the majority of the income, with other income primarily derived from member contributions and the congress held in 2012. The funds received from Industry partners supported a large range of activities mainly in advocacy and education.

The detailed financial report for all WSO activities is shown below, including the operations of WSO Switzerland and WSO US.

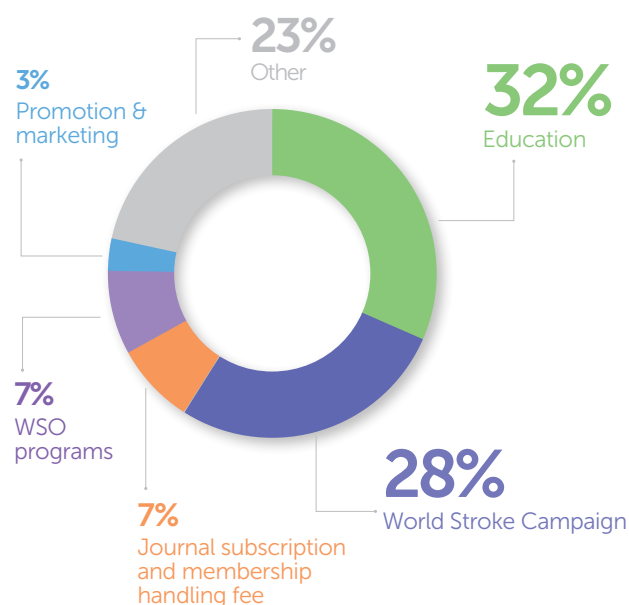
INCOME AND EXPENSES FOR THE YEAR ENDED DECEMBER 31, 2013 (In United States Dollars)

	Total
Cash	926,707
Liabilities	190,405
Net funds	736,302
Income	
Donations	368,105
Membership Dues	68,517
Income WSC 2012	84,080
Reimbursement of Promotional expenses	0
Interest	1,574
Income Stroke Solidarity String	1,586
Total	523,862
Expense	
Donations given	0
WS Campaign	194,208
WS Academy	220,073
WSO Programs	48,889
Promotion and Marketing	19,900
Meetings (Meetings, Traveling, Accommodation)	20,898
Journal subscription and membership handling fee	49,337
Secretariat	78,678
Administrative cost	8,223
Provision for restricted donation	388
Total	640,594
BALANCE	-116,732

Income 2013



Expenses 2013



Partnerships

The following partners supported WSO's various projects in 2013.
We would like to take this opportunity to express our gratitude to all our partners without whom WSO could not carry out its work.



In partnership with the medical community and advocacy groups, Allergan is committed to providing education and information to support and help improve the treatment outcomes for post-stroke patients and their families. In that regard, we are pleased to work with the World Stroke Organization.

Sanjiv Patel
Corporate Vice President, Global Strategic Marketing, Allergan

Executive Committee and Board of Directors

WSO is fortunate to have a world renowned Board of Directors. The members represent a geographic balance of all world regions, and include individual stroke professionals as well as representatives from both Scientific Stroke Organizations and Stroke Support Organizations.

In 2014, about half of the board members will be renewed as well as many Executive Officer positions. Current members are listed below:

Members of the WSO Executive Committee

Stephen Davis, President | Australia
Bo Norrving, Immediate Past-President | Sweden
Vladimir Hachinski, Vice-President | Canada
Natan Bornstein, Vice-President | Israel
Ka Sing Lawrence Wong, Secretary | Hong Kong
Michael Brainin, Treasurer | Austria
Marc Fisher, Member at large | USA
Yukito Shinohara, Member at large | Japan
Erin Lalor, Member at large | Australia

Members of the WSO Board of Directors

Individual members

Sub-Sahara Africa, Middle East/East Mediterranean
Foad Abd-Allah | Egypt
Waleed Khoja | Saudi Arabia

Americas

Marc Fisher | USA
Karen L. Furie | USA
Vladimir Hachinski | Canada
J. David Spence | Canada

Europe

Michael Brainin | Austria
Werner Hacke | Germany
Bo Norrving | Sweden
Peter Sandercock | UK

Asia/Oceania

Christopher Chen | Singapore
Steve Davis | Australia
Valery Feigin | New Zealand
Graeme J. Hankey | Australia
Ming Liu | China
Masayasu Matsumoto | Japan
Akira Ogawa | Japan
Jeyaraj Durai Pandian | India
Shinichiro Uchiyama | Japan
Lawrence Ka Sing Wong | Hong Kong

Scientific Societies

Hanne Christensen | Danish Stroke Organization,
Anna Czlonkowska | C. and E. European Stroke Society
Matthias Endres | German Stroke Society
Dongsheng Fan | Beijing Stroke Organization
Disya Ratanakorn | Thai Stroke Society
Ralph Sacco | American Stroke Association
Yukito Shinohara | Japanese Stroke Society
Padma Sriyani Gunaratne | Sri Lanka Stroke Society
Philip Teal | Canadian Stroke Consortium
Bernard Yan | Stroke Society of Australasia

Stroke Societies

Jon Barrick | The Stroke Association
Natan Bornstein | The Neeman Association
for Stroke Survivors
Alan Bryer | South African Heart and Stroke Foundation
Jelka Jansa | Stroke Alliance for Europe
Erin Lalor | National Stroke Foundation
Patrice Lindsay | Canadian Stroke Network
Daria Lisichenko | Russian Stroke Foundation
Sheila Cristina Ouriques Martins | Brazilian
Stroke Network
Kazuo Minematsu | Japan Stroke Association
Risto O. Roine | Finnish Brain Association

Join Us in the Fight Against Stroke Now!

Stroke is a largely preventable disease that affects 17 million people every year, and is the leading causes of disability worldwide. However, you can act now to fight stroke and save lives:

❖ Learn more about stroke through the World Stroke Academy, an online education resource, at the Wiley Online Library:
onlinelibrary.wiley.com/journal/10.1002/%28ISSN%292051-333X

❖ Set up a Stroke Support Organization with the SSO toolkit:
www.world-stroke.org/for-patients/toolkit

❖ Begin membership or invite new members and organizations to do so:
wso.multiregistration.com

❖ Become a leading implementing agency for the Stroke Solidarity String.
For more information, please visit:
www.worldstrokecampaign.org/get-involved/stroke-solidarity-string-guidelines-and-information.html