



**WFSA**  
WORLD FEDERATION OF SOCIETIES OF  
ANAESTHESIOLOGISTS

# **Annual Report**

2019/20



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**WFSA**  
WORLD FEDERATION OF SOCIETIES OF  
ANAESTHESIOLOGISTS

# OVERVIEW

The World Federation of Societies of Anaesthesiologists (WFSA) is the foremost global alliance of anaesthesiologists, the specialist physicians dedicated to the total care of the patient before, during and after surgery. We unite anaesthesiologists around the world to improve patient care and access to safe anaesthesia and perioperative medicine.

Our programmes tackle the key barriers to access and are run in partnership with our member societies and other organisations that share our goals. With a physician led and patient focused approach we train thousands of anaesthesia providers every year and provide open access to online continuing medical education.

We have official relations with the World Health Organisation (WHO), and advocate for surgery and anaesthesia as an essential component of Universal Health Coverage.

**OUR IMPACT is felt globally, and with 5 of the world's 7 billion people without access to safe and affordable anaesthesia and surgical care when needed, the work of the WFSA and its member societies is more important than ever.**

# PRESIDENT'S LETTER



*“WFSA’s vitality and collective strength comes from our ability to effectively utilise the wealth of expertise of hundreds of thousands of anaesthesiologists in our 137 member societies in over 150 countries.”*

Dr Jannicke Mellin-Olsen, WFSA President

As I write, the world’s health systems are reacting to the shock of COVID-19. WFSA’s members are at the forefront of this global response, working to save lives under extremely difficult conditions. My thoughts are with these committed professionals and the patients we care for.

As I review WFSA’s work in 2019 within this harrowing context, it strikes me how vital WFSA member societies are for protecting, strengthening and expanding health systems. The need for these networks will only increase as we adapt and respond to a post-COVID19 world. WFSA’s vitality and collective strength comes from our ability to effectively utilise the expertise of hundreds of thousands of anaesthesiologists represented by our 137 member societies in over 150 countries.

Last year alone, we worked with our member societies and our partners to train more than 1,395 clinicians in 50 courses across 22 countries. In addition, we trained a further 226 clinicians to run their own in-country training programmes. This is a very cost effective and sustainable way of improving anaesthesia provision.

We are able to bring together international experts in our field to design and lead training programmes and educational materials; we are an authoritative voice to push for global anaesthesia at key decision-making fora, including the WHO; and we are able to build the evidence-base and networks to expand quality anaesthesia care worldwide. In collaboration with our partners, we continue to support governments to develop National Surgical, Obstetric and Anaesthesia Plans (NSOAPs).

All of this is made possible by the countless hours donated by our volunteers. Their compassion, dedication and expertise leave me hopeful that we as WFSA will be able to help continue to build a truly resilient, equitable and patient focused health sector in the post-COVID19 world.

**Dr Jannicke Mellin-Olsen, WFSA President**

# WFSA 2019 in numbers

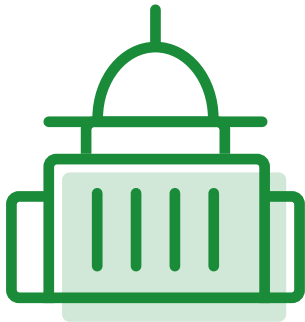
A Global Anaesthesia Family

52 Countries participated in WFSA training



137 Member societies

4 Regional congresses



Global Advocacy



5 Translations of WHO-WFSA International Standards for Safe Anaesthesia



6 Official statements made at WHO meetings

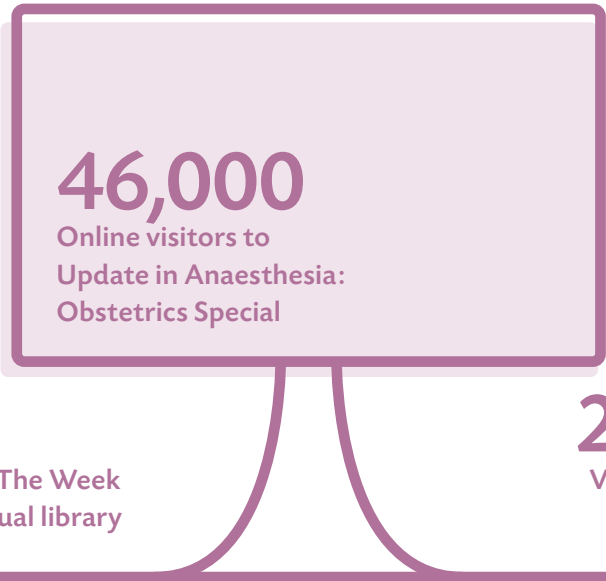


150 Attended the SAFE-T Summit on Global equity, teamwork and patient safety

Continuing Medical Education



414 Anaesthesia Tutorials Of The Week available through the virtual library



46,000 Online visitors to Update in Anaesthesia: Obstetrics Special



2.6 million Views of educational videos on WFSA YouTube

Capacity Building & Training



7 Expert-led training programmes:  
SAFE Paediatrics  
SAFE Obstetrics  
SAFE Operating Room  
Vital Anaesthesia Simulation Training  
Essential Pain Management  
Primary Trauma Care  
Global Regional Anaesthesia Curricular Engagement



1,395 Clinicians trained

226 Trainers trained





# EDUCATION

Our physician-led education and training programmes provide essential information and training to improve the knowledge and competencies of anaesthesia providers.

With a sustainable localised approach, WFSA works globally to improve the skills of thousands of anaesthesia providers every year. This leads to better patient outcomes and brings us closer to achieving our vision of safe anaesthesia and Universal Health Coverage.



## TRAINING COURSES

**WFSA deliver expert-led bespoke training programmes to strengthen the global capacity for safe anaesthesia and pain management.**

WFSA provide training programmes covering a range of anaesthesia specialities. These include:

- Safer Anaesthesia from Education (SAFE) which includes SAFE Paediatric Anaesthesia and SAFE Obstetric Anaesthesia
- SAFE Operating Room
- Vital Anaesthesia Simulation Training (VAST)
- Essential Pain Management (EPM)
- Primary Trauma Care (PTC)
- Global Regional Anaesthesia Curricular Engagement (GRACE)
- Inspire Through Clinical Teaching.

### In 2019

WFSA provided 53 training courses across 22 countries, drawing participants from over 30 countries. Through these channels 1,395 clinicians were trained with a further 226 taught to provide training themselves.







## SAFER ANAESTHESIA FROM EDUCATION

**SAFE is a joint project developed by WFSA and the UK and Ireland's Association of Anaesthetists to provide obstetric or paediatric anaesthesia training to anaesthesiologists working in low resource settings.**

The 3 day course brings regional and international faculty together to deliver training to local physician and non-physician anaesthesia providers on how to give the safest possible anaesthesia care.

The courses cover the core and extended roles of the anaesthesia provider in obstetric and paediatric emergencies.

The additional 'train the trainer' component of the course supports knowledge retention and sustainability, allowing participants to lead courses themselves as well as return to their hospitals and teach others the techniques they learned.

### In 2019

A total of 45 SAFE Courses trained over 1026 clinicians and 214 SAFE trainers:

- SAFE Obstetric Anaesthesia: 23 courses in 14 countries.
- SAFE Paediatric Anaesthesia: 15 courses in 12 countries
- SAFE Operating Room: 5 courses training 116 clinicians and 26 SAFE OR trainers.
- SAFE Training of Trainers: 2 courses training 28 SAFE Trainers.

*"For the [international] faculty it's so much more than just teaching, you learn about the challenges being faced in other parts of the world. It provides you valuable insights into your own practices and health systems. It's really good for building up your own networks. That is really valuable to me."*

Dr Jolene Moore, UK



Dr Jolene Moore at a SAFE course in Senegal.  
Image courtesy of Marina Schmid, Mercy Ships.



## VITAL ANAESTHESIA SIMULATION TRAINING

**VAST is a low fidelity simulation based course that focuses on strengthening non-technical skills of clinical teams. The training programme was developed in partnership with the University of Dalhousie and the University of Rwanda.**

Drawing on clinical content from other courses including SAFE, Essential Pain Management and Primary Trauma Care, VAST enables participants to practice their skills in challenging and realistic simulated clinical scenarios. The course reinforces clinical frameworks but focuses on participant-led learning to develop essential non-technical skills.

### In 2019

- 2 VAST courses were held in India.
- 30 clinicians (anaesthesiologists, surgeons and nurses) attended.
- 6 VAST facilitators were trained across two courses.

**PTC** Primary Trauma Care Foundation

## PRIMARY TRAUMA CARE

**The Primary Trauma Care is a 2 day course to train health professionals in a systematic approach to the clinical needs of a severely injured patient.**

The educational content covers all aspects of the physiological and pathological aspects of the trauma patient. The course is taught in a systematic, interactive way culminating in a practice or examination scenario.

### In 2019

- 2 courses and 1 instructors course held in Hyderabad, India.
- 20 doctors (anaesthesiologists, A&E physicians and surgeons) attended.
- 20 medical students participated.
- 10 PTC instructors trained.





## ESSENTIAL PAIN MANAGEMENT

**Essential Pain Management (EPM) is a short, easily deliverable and cost-effective training programme designed to improve pain management worldwide.**

Run in over 55 countries, it brings together local health workers to improve pain knowledge. The course provides participants with a systematic approach for managing patients in pain and the skills they need to teach others who are also teaching about pain management.

The EPM course is multi-disciplinary and encourages early handover of teaching to local instructors.

### In 2019

5 EPM workshops were run with 182 participants and a further 37 instructors trained.

## PALESTINE ANAESTHESIA TEACHING MISSION

**PATM seeks to strengthen the knowledge, skills and professional networks of resident doctors in Palestine by providing in-country clinical teaching in hospitals in East Jerusalem and the West Bank.**

### In 2019

Two highly experienced volunteers from the UK visited Palestine to provide mentoring and training of junior residents in areas such as strengthening basic practices and specialist regional anaesthesia.

The volunteers also delivered lectures and ran skills workshops for anaesthesiologists from across the Palestinian territories as part of the national society's conference.





## FELLOWSHIPS

**WFSA offers fellowships and grants to anaesthesiologists from low and middle-income countries to increase and develop their skills and knowledge in a particular sub-speciality.**

Lasting between 3 and 12 months the fellowships train anaesthesiologists to provide specialised anaesthesia care using the latest approaches.

The programme enables the next generation of anaesthesia leaders to train other anaesthesia providers and surgical teams in their local setting to drive improvements in patient care.

Since its inception in 1996, the fellowship programme has enabled over 400 fellowships from 62 countries to be mentored in eight anaesthesia specialties and sub-specialties.

### In 2019

44 fellowships were provided to anaesthesiologists to train and study in hospitals and universities in 14 countries across Africa, Asia, Europe and the Americas.

*“ The fellowship had a positive impact on my clinical skills and teaching ability. I am now the focus person for paediatric anaesthesia at my institution and have become a member of the teaching and training committee. This will enable me to input into the planning and execution of training programmes and writing recommendations, guidelines and protocols to guide some of our practices. My theatre sessions will not only be for the provision of anaesthetic care but an avenue for teaching medical students and residents alike with an emphasis on hands on demonstration.”*

**Dr Olurotimi Aaron, Nigeria,**  
Paediatric Anaesthesia Fellowship in Kenya

Dr Olurotimi Aaron



## SCHOLARSHIPS

The scholarship programme provides vital opportunities for young anaesthesiologists from low resource countries to attend international congresses in order to improve their knowledge and skills as well as build professional networks.

The learning gained and networks created during these events prove invaluable to these future leaders in anaesthesia.

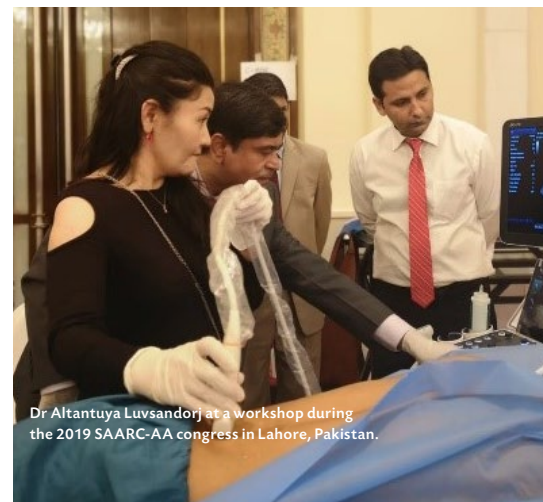
### In 2019

WFSA would like to thank Baxter Healthcare and Masimo for their support in 2019 which enabled 18 scholars from 17 countries to attend congresses in:

- Vienna (Euroanaesthesia)
- Buenos Aires (CLASA)
- Orlando (ASA's ANESTHESIOLOGY 2019)
- Marrakech (AAAC)
- Lahore (SAARC-AA).

*"I love my job as an anaesthesiologist, I am immensely proud of working for the national largest hospital. I believe education is the key to success. I want to share my knowledge and experiences with my colleagues and encourage changes in our hospital. The [congress] workshops were informative and motivating which makes it perfect for young anaesthesiologists pursuing a career in anaesthesia."*

Dr Altantuya Luvсандорж, Mongolia,  
SAARC-AA Scholar, 2019



Dr Altantuya Luvсандорж at a workshop during the 2019 SAARC-AA congress in Lahore, Pakistan.



## PUBLICATIONS



### UPDATE IN ANAESTHESIA (UIA)

UIA provides concise and clinically-relevant articles for anaesthetists working with limited resources. UIA is freely available for download from the WFSA website. Hard copies are also sent free-of-charge to over 1500 English-speaking anaesthetists.

**In 2019:** Volumes focusing on Obstetric Anaesthesia and the Safe-T Summit were published. Collectively these were downloaded over 75,000 times.

### ANAESTHESIA TUTORIAL OF THE WEEK (ATOTW)

ATOTW is a highly valued open -access web tutorial designed to support anaesthesia education across the globe. Published fortnightly to over 18,000 subscribers, the tutorial is accompanied by a quiz to enable self-directed Continuous Medical Education.

**In 2019:** 22 tutorials covering a range of anaesthesia specialties were published in English, with many also available in Spanish, French, Portuguese and Chinese. Over 420 tutorials are available to download from the website.

### ANESTHESIA & ANALGESIA

Formed in 2014, the Global Health Section of Anesthesia & Analgesia (A&A) is the result of a collaboration between the WFSA and the International Anesthesia Research Society (IARS). This internationally respected peer-reviewed publication is published monthly and regularly features the latest global anaesthesia research.

**In 2019:** A&A published a range of open access global anaesthesia articles on issues as diverse as pain management in Papua New Guinea and Intraoperative Mortality in Malawi.

### ANAESTHESIA FILM TUTORIALS (YOUTUBE)

WFSA's YouTube channel contains over 60 films in English, French and Spanish.

In partnership with Southampton Hospital, the channel promoted a popular series of subtitled educational videos on adult and paediatric anaesthesia.

**In 2019:** Videos from this series were viewed more than 2 million times by viewers from 65 countries.



# ADVOCACY

WFSA leads global advocacy efforts to raise the profile of safe, quality and affordable anaesthesia and perioperative medicine.

In its capacity as a non-state actor in official relations with the WHO, WFSA engages with national, regional and international stakeholders to strengthen anaesthesia provision worldwide.



## WFSA AT THE 72ND WORLD HEALTH ASSEMBLY (WHA)

**WFSA's key message that Universal Health Coverage can only be achieved with the scale up of anaesthesia and surgical services was prominent at the 72nd WHA. This was furthered endorsed by the Lancet's Dr Richard Horton in his keynote plenary speech and by the WHO's Director-General Dr Tedros Ghebreyesus in his 2019 progress report.**

WFSA submitted four official statements, with two statements presented orally to the WHA General Assembly. The statements highlighted actions that need to be taken on, access to medicines; better diagnosis and treatment of Non-Communicable Diseases (NCDs); challenging the anaesthesia workforce crisis; and the Global Action Plan on Patient Safety.

During the meeting a number of country representatives took the initiative to hold meetings with the WFSA. Discussions were held with the Minister of Health and Sport for Myanmar and senior representatives from countries including Malawi, Malaysia, Mozambique and Tanzania. Topics raised ranged from workforce training and staff shortages to the economic benefit of safe anaesthesia.

WFSA also co-hosted the 'Surgery and Anaesthesia: conflict, poverty and development' side event at the International Committee of the Red Cross (ICRC), along with the G4 Alliance, Safeguarding Health in Conflict Coalition, IntraHealth, and Lifebox. The event focused on National Surgery, Obstetric and Anaesthesia Plans (NSOAPs) and the provision of surgery and anaesthesia care in resource constrained settings.



ICRC





## STATEMENTS AT WHO REGIONAL MEETINGS

### WFSA continues to be an active advocate for anaesthesia at international and regional fora.

WFSA representatives attended and presented statements at the WHO Executive Board Meeting and WHO regional meetings in Africa, Europe and the Americas.

As at the World Health Assembly, WFSA statements at WHO Regional Meetings focused on anaesthesia as an essential component of Universal Health Coverage, as well as the need to scale-up the global anaesthesia workforce, Non-Communicable Diseases (NCDs), and advocating for WHA Resolution 68.15 'Strengthening Emergency and Essential Surgical Care and Anaesthesia in the context of Universal Health Coverage'.

WFSA also submitted a written statement to the WHO Western Pacific region on the need to prioritise diagnosis, treatment and management of NCDs.

WFSA, being in official liaison with the WHO, was invited to the first UN High-level Meeting on Universal Health Coverage held in New York in September 2019. Representing WFSA at the High Level Meeting was Dr Gunisha Kaur, Assistant Professor of Anaesthesiology at Weill Cornell Medical College. The meeting resulted in a landmark UN political declaration pledging to help all people access health services.

*"It is vital that expert-led organisations such as the WFSA are at the forefront of efforts to inform approaches seeking to ensure safe and affordable health care."*

Dr Gunisha Kaur at the United Nations High-level meeting on Universal Health Care, New York, September 2019



Dr Gunisha Kaur at the United Nations

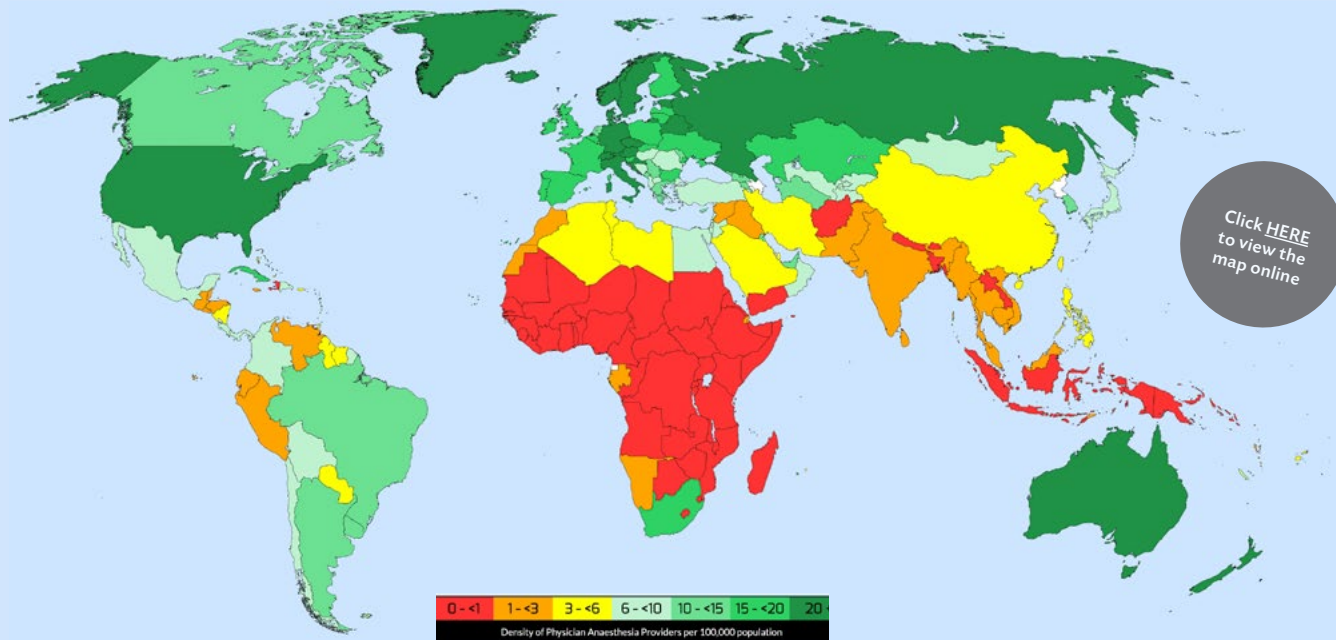


## THE GLOBAL ANAESTHESIA WORKFORCE MAP

This landmark online resource, first launched by the WFSA in 2017 and regularly updated, provides the most recent and comprehensive data of the global anaesthesia workforce ever compiled.

*"The shortage of skilled anesthesia providers is among the most severe healthcare workforce shortages worldwide, and is often the limiting factor for providing access to safe surgery for billions of people. Accurate data to describe the existing anesthesia workforce are critically important to inform efforts to expand access to safe surgery, anesthesia and obstetric care worldwide."*

Dr Michael Lipnick, University of California, San Francisco and Principle Investigator  
WFSA Global Anesthesia Workforce Study 2020.





## NATIONAL SOLUTIONS

**Alongside advocating for UN agencies and governments to prioritise and invest in safe anaesthesia and surgery, WFSA works with its member societies to strengthen national health systems.**

In partnership with its members, WFSA engages with national governments to advocate for the commitment of resources to improve the availability, accessibility, acceptability and quality of anaesthesia and surgery at country and local levels.

WFSA works with member societies to develop National Surgery, Obstetric and Anaesthesia Plans (NSOAPs) which can be integrated into national health policy, to help engage governments and the wider medical community. To inform these policies WFSA supports regional and national anaesthesia and health care leaders to gather data about anaesthesia workforce, equipment, medicines and practice at the facility level through the Anaesthesia Facility Assessment Tool (AFAT).

Click [HERE](#)  
to learn more  
about AFAT



## WHO-WFSA INTERNATIONAL STANDARDS FOR A SAFE PRACTICE OF ANESTHESIA

**WFSA continued to support the dissemination and adoption of the WHO/WFSA International Standards for a Safe Practice of Anesthesia.**

Jointly approved by the WHO in 2018, the Standards provide expert guidance on what is required to provide safe anaesthesia and safe surgery. They are applicable to all anaesthesia providers around the world and cover, among other things, facilities and equipment, medication and patient monitoring.

### In 2019

The WHO endorsement of the standards was further evidenced by their inclusion in WHO Director General's progress report, 'Implementation of the 2030 Agenda for Sustainable Development'. The report also supported the development of National Surgical, Obstetric and Anaesthesia Plans (NSOAPs) and workforce development.



## G4 ALLIANCE

**WFSA is a co-founder and active member of the Global Alliance for Surgical, Obstetric, Trauma and Anaesthesia Care (G4 Alliance).**

The G4 alliance is an advocacy-based organisation dedicated to building political priority for surgical care as part of the global development agenda.

### In 2019

WFSA as part of the G4 Alliance engaged in a range of opportunities to advocate for global anaesthesia and surgery, this included supporting and celebrating the inclusion of essential surgical care in the UN Political Declaration on Universal Health Coverage (UHC) by co-hosting the "Child Health, Surgical Care, and UHC" side-event at the UN General Assembly; launching a working group for advocacy with the United States government; bringing together over 60 member organizations for meetings in Geneva and Manila to collaborate in advancing the cause of the neglected surgical patient.



## GLOBAL DAYS OF ACTION

**WFSA works with its member societies and other global health stakeholders to provide a unified global voice to advocate for anaesthesia.**

### World Anaesthesia Day 2019

WFSA partnered with the World Restart a Heart Day movement led by the International Liaison Committee on Resuscitation (ILCOR) and the European Resuscitation Council.

Under a general theme of 'Resuscitation', anaesthesia providers around the world organised events and took to social media to highlight the indispensable role of anaesthesiologists in providing safe and effective resuscitation.

### World Patient Safety Day 2019

To celebrate the inaugural World Patient Safety Day, WFSA joined with partners to advocate for improved global patient safety standards with the target of reducing avoidable patient harm, preventable deaths, and encouraging more effective health care.



Residents from the Department of Anaesthesiology and Critical Care, AIIMS Jodhpur, India, celebrate World Anaesthesia Day 2019.



# SAFETY AND QUALITY

Safety and quality is an essential component of improving anaesthesia care globally. WFSA works with its partners in the global health community to share good practices, improve access to essential training and equipment, and build the evidence base to enable anaesthesia providers to practice safe anaesthesia that meets the needs of patients the world over.



## SAFE-T SUMMIT 2019

**Co-hosted by WFSA and the Royal Society of Medicine, the second Safe Anaesthesia for Everybody – Today (SAFE-T) Summit built on the success of the inaugural summit to advance the global patient safety agenda.**

With the title of ‘Global equity and teamwork in anaesthesia and surgical care’ the summit focused on strengthening perioperative safety through equity, ethics, gender, diversity and social strategies.

In partnership with stakeholders from industry, governments and NGOs, the one day event brought together leaders from within and outside the perioperative team to highlight the importance of equity and teamwork in anaesthesia and surgical care.

The keynote speaker for the day was the health care pioneer and leader Edna Adan Ismail, who spoke on women's access to healthcare and her work building a hospital in Somaliland and training over 1,000 midwives.

### Topics discussed included:

- The impact of Inequity in Access to Perioperative and Anaesthesia Care and Safety.
- Nursing's Role in Perioperative Safety.
- Gender Gaps and other barriers to anaesthesia and perioperative safety.
- Working Together: Teamwork and Advocacy in addressing the Safety Gap.







**Laerdal Foundation**  
helping save lives

## UTSTEIN 2019

**WFSA, in partnership with the Laerdal Foundation, convened the 2019 Utstein Conference on Metrics and Reporting Criteria for Surgery, Anaesthesia, & Obstetrics Patient Safety.**

This multidisciplinary meeting conducted the first review and refinement of the metrics developed by The Lancet Commission on Global Surgery to support universal access to safe anaesthesia and surgery.

These metrics cover access to care; surgical volume; anaesthesia-surgery-obstetrics workforce; postoperative mortality; impoverishing and catastrophic expenditure.

The meeting brought 36 international experts in surgery, obstetrics and anaesthesia (SOA) together at the Utstein Abbey in Norway to refine existing indicators and reporting criteria for surgery, obstetrics and anaesthesia patient safety in order to facilitate their collection, utility and comparability. The overarching aim being to facilitate national, regional and global planning for SOA services provision and care.

The meeting explored the relationship between these indicators and how patient safety and survival could be further embedded, developed and studied. The consensus and findings reached at the Utstein meetings will be published, detailing indicators, approaches to data collection and reporting criteria necessary for surgery, obstetrics and anaesthesia patient safety.

*"Data drives change. The 2019 Utstein meeting was a catalyst in building consensus around refining the global surgery indicators to help ensure improved access to safe, affordable and timely surgical and anaesthesia care."*

**Julian Gore-Booth, WFSA CEO**





## LIFEBOX

**WFSA is a founder and partner of Lifebox, a global non-profit organisation working to improve the safety of anaesthesia and surgery around the world.**

Since 2011, Lifebox has helped make over 25 million surgeries safer through the provision of lifesaving pulse oximeters and training.

### In 2019

Lifebox distributed over 2,000 pulse oximeters to anesthesia providers across the globe. It held 48 workshops on pulse oximetry, multidisciplinary teamwork and communication skills, and implementation of the WHO Surgical Safety Checklist training over 1,300 anesthesia providers, surgeons, and nurses in patient safety.

## ESSENTIAL ANAESTHESIA KITS

**The WFSA's Essential Anaesthesia Kit comprises equipment which plays a critical role in providing safe anaesthesia and perioperative care.**

The kit includes key monitoring equipment and items essential to patient safety such as pulse oximeters, capnographs, and airway management equipment, which are not commonly available in rural health facilities in low and middle income countries. Anaesthesia providers receive in-situ clinical training on the effective use of the equipment through the WFSA SAFE Obstetrics course and the Assist International SAFE Fellows.

### In 2019

WFSA worked with Medical Aid International to provide 18 Essential Anaesthesia Kits for hospitals in Tanzania and Cambodia.

*"Essential Anaesthesia Kits improve safety for patients under anaesthesia as they help us to minimise complications and anaesthetic errors."*

**Johaphess Josiah – Non-physician anaesthesia provider, Tanzania.**



Credit: Lifebox





# INNOVATION AND RESEARCH

Innovation and research is vital for improving safety and standards in anaesthesia care globally. Practical evidence-based research insights and innovations will help realise the next generation of equipment, drugs and advanced learning methods for safer anaesthesia and more effective pain relief in resource poor settings.



## FRESENIUS KABI ANAESTHESIA INNOVATION AWARDS

**This unique awards programme identifies and supports the development of innovations that have the potential to transform the field of anaesthesia and improve patient safety around the world.**

Over the course of the three year programme, one recipient per year is awarded a \$25,000 grant, alongside mentoring and the opportunity to produce a promotional film and attend the World Congress of Anaesthesiologists.

### In 2019

The third and final award was won by Dr Paul Barton for his Screenless Anaesthesia Monitor (SAM). The SAM is a light-weight battery powered hospital-grade device and app that enables anaesthesia providers to monitor patient vital signs through their smart phones or devices.

Dr Barton's goal is to develop a patient monitoring system that is affordable, portable, robust, and "ownable" for all healthcare providers, specifically those working in low-resource settings or other challenging clinical environments.

*"Our primary vision is to save lives in operating theatres worldwide. This award will provide us much needed funds for critical product development."*

**Dr Paul Barton, WFSA-Fresenius Kabi Innovation Award winner 2019**



**The Screenless Anaesthesia Monitor (SAM) winner of the 2019 Fresenius Kabi Anaesthesia Innovation Award**



## WFSA-INTERNATIONAL ANESTHESIA RESEARCH SOCIETY (IARS) RESEARCH FELLOWSHIPS

**Launched in 2019, the WFSA-IARS research fellowship programme seeks to strengthen clinical research capacity in Africa.**

The research fellowship supports two African anaesthesiologists to undertake 12 month clinical research fellowships at the University of Cape Town or the University of KwaZulu-Natal in South Africa. The fellowships aim to equip them with the skills and experience they need to establish and lead collaborative research projects in their home countries.

### In 2019

Anaesthesiologists from Ghana and Tanzania were awarded grants to start their fellowships in early 2020.



## WFSA-OHIO STATE UNIVERSITY FELLOWSHIPS

**The Department of Anesthesiology at Ohio State University, Wexner Medical Center continued their partnership with the WFSA by providing research fellowships for three anaesthesiologists from low and middle income countries.**

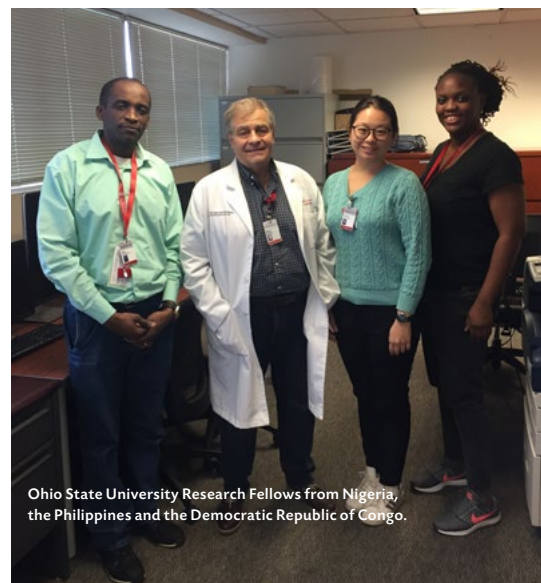
The aim of the programme is to catalyse and strengthen anaesthesia research capacities in low resource settings.

### In 2019

Support was provided to research fellows from the Philippines, the Democratic Republic of the Congo and Nigeria to undertake a 12 month research project with the objective of a published paper in an indexed journal.

*"This programme is a good way to improve clinical research skills, it exposes you to diverse research projects and provides an opportunity to work at an internationally recognised research institute."*

Dr Dolly Matondo Munlemvo,  
Research fellow from DR Congo



Ohio State University Research Fellows from Nigeria, the Philippines and the Democratic Republic of Congo.



# WORKING TOGETHER

As a Federation, much of what the WFSA does is based on collaborations between our member societies. Supporting and connecting our members is at the heart of our Working Together programme and is showcased through our regional congresses which take place across the world.



## OUR MEMBERS

**WFSA is the foremost global network of anaesthesiologists, drawing together the expertise and knowledge of hundreds of thousands of anaesthesiologists in our 137 member societies in over 150 countries. It is this wide reach and the diversity of our Federation that makes the WFSA a unique organisation, leading the way in promoting safe anaesthesia and perioperative care on a global scale.**

We are very grateful for the engagement, positivity and generosity of our Member Societies, Board, Council and Committee members which have allowed us to continue growing as an organisation and improving anaesthesia in every region of the world.

### **The 2020 Board members are as follows:**

- Dr Jannicke Mellin-Olsen: President (from September 2018)
- Dr Gonzalo Barreiro: Immediate Past President (President from 2016-2018)
- Professor Adrian Gelb: Secretary
- Professor Alan Merry: Treasurer
- Professor Berend Mets: Director of Partnerships
- Dr Wayne Morriss: Director of Programmes
- Dr Pedro Ibarra: Annually elected member from January 2020
- Dr Fauzia Khan: Annually elected member from January 2020



**The WFSA Council**

## PAST AND UPCOMING CONGRESSES

The World Congresses of Anaesthesiologists (WCA) is the foremost global gathering of experts interested in learning, networking and engaging in open dialogue on important topics in the field of anaesthesia.

For the WFSA, with its membership of 137 national societies representing hundreds of thousands of anaesthesiologists worldwide, the WCA is a major component of its work to unite the specialty and advocate for improved access to safe anaesthesia and perioperative care.

The Congress is traditionally held every four years, with the 17th WCA having been scheduled to take place in Prague in September 2020. However, in-light of the global response to COVID-19, the congress was rescheduled to 1–5 September 2021.

WCA2021 is co-hosted with the Czech Society of Anaesthesiology and Intensive Care Medicine (CSARIM).

### In 2019

As well as the World Congress of Anaesthesiologists, a number of regional congresses take place with the support of the regional sections of the WFSA.

### In 2019, Regional Congresses took place in:

- Vienna (ESA's Euroanaesthesia)
- Buenos Aires (CLASA)
- Marrakech (AAAC)
- Lahore (SAARC-AA)

*"The World Congress is always a truly inspiring week, not least because it is the only anaesthesiology event that unites colleagues from all over the world to learn more and share their experience"*

Dr Jannicke Mellin-Olsen, WFSA President.

Find out and register for WCA2021 [HERE](https://www.wcaprague2020.com)






[@wcaprague2020](https://www.wcaprague2020.com)

See you in Prague

17<sup>th</sup> World Congress of Anaesthesiologists

**September 1–5, 2021**  
PRAGUE, CZECH REPUBLIC

**ORGANIZER**  
 **WFSA**  
 WORLD FEDERATION OF SOCIETIES OF ANAESTHESIOLOGISTS

**HOST ORGANIZER**  
 **CSARIM**  
 Czech Society of Anaesthesiology and Intensive Care Medicine

[www.wcaprague2020.com](https://www.wcaprague2020.com)



# SUPPORT AND PARTNERSHIPS

The WFSA is extraordinarily grateful to all of our Member Societies, partners, donors and volunteers who supported us in 2019. Their time, money and expertise enables us to continue our mission to improve patient care and access to safe anaesthesia for all.



## GLOBAL IMPACT PARTNERS UPDATE

**WFSA works with Global Impact Partners to deliver anaesthesia patient safety programmes in a particular country, or across countries, at scale.**

WFSA works with Global Impact Partners, specifically the Laerdal Foundation, Masimo and the GE Foundation funded Safe Surgery 2020 Initiative, to deliver anaesthesia patient safety programmes in a particular country, or across countries, at scale.

WFSA's four year relationship with the Laerdal Foundation has seen training provided to anaesthesia providers in Tanzania, Zimbabwe, Bangladesh, Nepal, and India. Through the 'Better Births – Safer Births' initiative anaesthesia providers were trained in obstetric anaesthesia through Safer Anaesthesia From Education (SAFE) and Vital Anaesthesia Simulation Training (VAST) courses. VAST focuses on strengthening the non-technical skills of the whole surgical team through Simulation Based Education. The transition from training individual anaesthesia providers to focusing on the surgical team as a whole marks an important progression in WFSA's approach.

The relationship with Masimo, has seen a range of anaesthesia and surgical training courses delivered in Telangana, India including SAFE Obstetrics, SAFE Paediatrics, VAST and Global Regional Anesthesia Curriculum Engagement (GRACE) and Primary Trauma Care (PTC).

Safe Surgery 2020, is a multi-partner initiative seed funded by the GE Foundation, including funding to WFSA via Assist International as a Global Impact Partner. Through the Safe Surgery 2020 initiative, the WFSA trained anaesthesia providers in East Africa and South East Asia in SAFE obstetrics as the basis for improving health outcomes for mothers and newborns.

Support from these organisations has enabled the WFSA to expand our vital education and training programmes around the world. We thank these partners for their continued financial support and dedication to safe anaesthesia and global health.



We would also like to thank our host institutions who, with their support and volunteering, make our Fellowship Programme possible.



## INDIVIDUAL DONATIONS

**The WFSA is very fortunate to receive donations from generous individuals who recognise the importance of our work.**

WFSA are enormously appreciative of the support given to the Fund a Fellow campaign and look forward to continuing our engagement with you in 2020 and beyond.

## MEMBER SOCIETIES

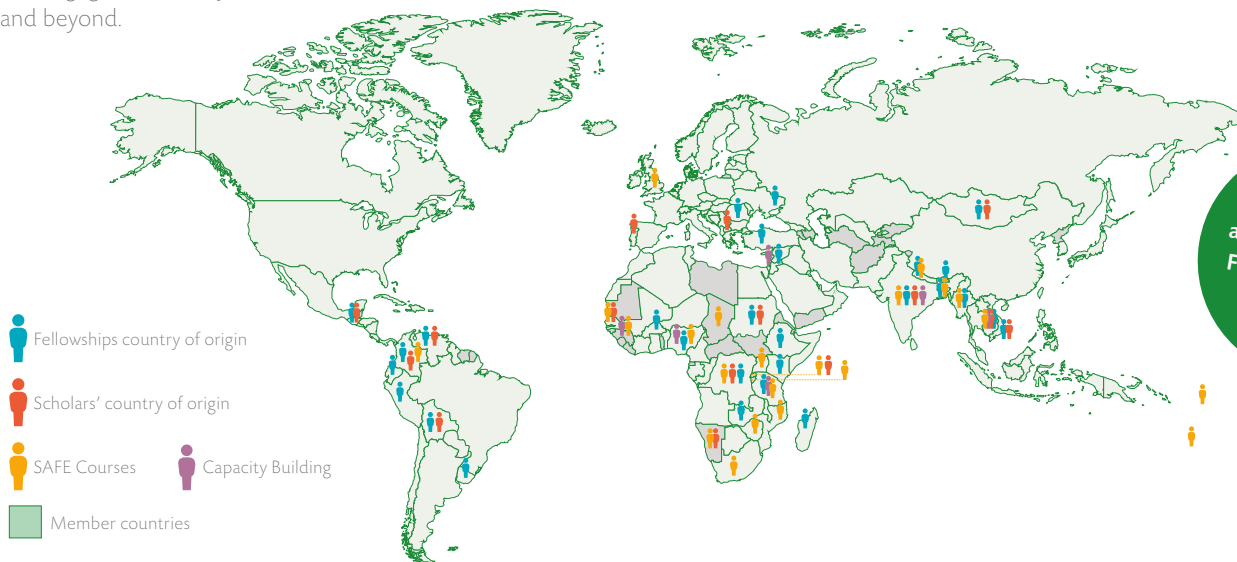
**The support of our 137 Member Societies is essential to our work.**

We are honoured to be able to represent this truly global federation and thank each of our members for investing in your colleagues in low resource settings and in the lives of patients worldwide.

## VOLUNTEERS

**The WFSA is supported by an extraordinary network of thousands of volunteers.**

WFSA's volunteers generously and graciously dedicate their expertise and time to our work year on year. They are the foundation of what WFSA does and we could not succeed without them.



Learn more  
about our Fund a  
Fellow campaign  
[HERE](#)



## WFSA IS A FEDERATION OF 137 MEMBER SOCIETIES.

- Albanian Society of Anaesthesia and Intensive Care
- Société Algérienne d'Anesthésie
- Associação de Anestesia da Republica de Angola
- Federación Argentina de Asociaciones de Anestesia, Analgesia y Reanimación
- Australian Society of Anaesthetists
- Österreichische Gesellschaft für Anesthesiologie, Reanimation und Intensivmedizin
- Bangladesh Society of Anaesthesiologists
- Belarusian Society of Anaesthetists and Experts in Resuscitation
- Society for Anesthesia and Resuscitation of Belgium
- Société d'Anesthésie-Reanimation du Benin
- Sociedad Boliviana de Anestesiología, Reanimación y Dolor
- Association of Anesthesiologists and Reanimatologists of FBiH
- Botswana Society of Anaesthetists
- Sociedade Brasileira de Anestesiologia
- Society of Anaesthesiologists, Brunei Darussalam
- Bulgarian Society of Anaesthesiologists
- Societe d'Anesthésie Reanimation et Medecine d'Urgence du Burkina (SARMU-B)
- Agora des Techniciens Supérieurs Anesthésistes Réanimateurs pour la Promotion de la Sante
- Cambodia Society of Anaesthetists
- Société Camerounaise d'Anesthésie Reanimation
- Canadian Anaesthesiologists' Society
- Sociedad de Anestesiología de Chile
- Chinese Society of Anesthesiology
- Taiwan Society of Anaesthesiologists
- Sociedad Colombiana de Anestesiología y Reanimación
- Société Congolaise d'Anesthésie Réanimation Urgences (SOCARU)
- Asociación de Médicos Anestesiólogos de Costa Rica
- Croatian Association of Anaesthesiology and Intensive Care Medicine
- Sociedad Cubana de Anestesiología y Reanimación
- Anaesthesiology Society Cyprus
- Czech Society of Anaesthesiology and Intensive Care Medicine
- Anesthesiology and Intensive Care Society of Democratic Republic of Congo (AISRI)
- Danish Society of Anaesthesiology and Intensive Care Medicine
- Sociedad Dominicana de Anestesiología
- Sociedad Ecuatoriana de Anestesiología
- Egyptian Society of Anaesthesiologists
- Asociación de Médicos Anestesiólogos de El Salvador
- Estonian Society of Anaesthesiologists
- Ethiopian Society of Anaesthesiologists
- Finnish Society of Anaesthesiologists
- Société Française d'Anesthésie et de Réanimation
- Societe Gabonaise d'Analgesie, Anesthésie, Reanimation et de Medecin
- Georgian Society of Anesthesiology and Critical Care Medicine
- Deutsche Gesellschaft für Anaesthesiologie und Intensivmedizin e.V. (DGAI)
- Ghana Anaesthetist Society
- Hellenic Society of Anaesthesiology
- Asociacion Guatemalteca de Anestesiologia, Reanimación y Tratamiento del Dolor
- Guyana Anaesthesiologist Society
- Société Haitienne d'Anesthésiologie
- Sociedad Hondureña de Anestesiología, Reanimación y Dolor
- Society of Anaesthetists of Hong Kong
- Hungarian Society of Anaesthesiology and Intensive Therapy
- Icelandic Society of Anaesthesiology and Intensive Care Medicine
- Indian Society of Anaesthesiologists
- Indonesian Society of Anesthesiologists and Intensive Therapy
- Iranian Society of Anesthesiologists and Critical Care
- Iraqi Society for Anesthesia, Intensive Care & Pain Medicine
- Israel Society of Anesthesiologists
- Società Italiana di Anestesia Analgesia Rianimazione e Terapia Intensiva
- Société Ivoirienne d'Anesthésie-Réanimation
- Japanese Society of Anesthesiologists
- Jordan Society of Anaesthesia and Intensive Care
- Federation of Anesthesiologists and Reanimatologists (Kazakhstan)
- Kenya Society of Anaesthesiologists
- Saudi Anaesthesia Society
- Korean Society of Anesthesiologists
- Association of Kosovar Anaesthesiologists



## WFSA IS A FEDERATION OF 137 MEMBER SOCIETIES.

- Lao Society of Anesthesiologists
- Association of Anaesthesiologists-Reanimatologists of Latvia
- Lebanese Society of Anesthesiologists
- Societe d'Anesthesie-Reanimation De Madagascar (S.A.R.M.)
- Society of Anaesthesiologists Malawi
- Malaysian Society of Anaesthesiologists
- Maldives Anaesthesiologists Association
- Société d'Anesthésie, Réanimation et Médecine d'Urgence du Mali
- Association of Anaesthesiologists of Malta
- Association of Anaesthesiologists of Mauritius
- Federacion Mexicana de Colegios de Anestesiología A.C.
- Micronesia Anesthesia Society
- Society of Anaesthesia and Reanimatology of the Republic of Moldova
- Mongolian Society of Anesthesiologists
- Moroccan Society of Anesthesiology and Intensive Care (SMAR)
- Associação de Anestesiologistas de Moçambique
- Myanmar Society of Anaesthesiologists (Myanmar Medical Association)
- Anaesthesiologists Society of Namibia (ASN)
- Society of Anaesthesiologists of Nepal
- Nederlandse Vereniging voor Anesthesiologie
- New Zealand Society of Anaesthetists
- Asociación Nicaraguense de Anestesiología y Reanimación
- Societe Nigerienne d'Anesthesie, de Reanimation et de Medecine d'Urgence
- Nigerian Society of Anaesthetists
- Macedonia Society of Anaesthesiologists
- Norsk Anestesiologisk Forening
- Oman Society of Anaesthesia and Critical Care (OSACC)
- Pacific Society of Anaesthetists
- Pakistan Society of Anaesthesiologists
- Palestinian Society of Anaesthesia & Intensive Care
- Sociedad Panameña de Anestesiología
- Society of Anaesthetists of Papua New Guinea
- Sociedad Paraguaya de Anestesiología
- Sociedad Peruana de Anestesia, Analgesia y Reanimación
- Philippine Society of Anaesthesiologists
- Polish Society of Anaesthesiology and Intensive Therapy
- Sociedade Portuguesa de Anestesiologia
- Romanian Society of Anaesthesia and Intensive Care
- Russian Federation of Anaesthesiologists and Reanimatologists
- Rwanda Society of Anesthesiologists
- Société Sénégalaise d'Anesthésie-Réanimation et de Médecine d'Urgence
- Serbian Association of Anaesthesiologists and Intensivists (SAAI)
- Singapore Society of Anaesthesiologists
- Slovak Society of Anaesthesiology and Intensive Medicine
- Slovenian Society of Anaesthesiology and Intensive Care Medicine (SSAICM)
- Somali Society of Anaesthesiologists (SOSA)
- South African Society of Anaesthesiologists
- Sociedad Española de Anestesiología, Reanimación y Terapéutica del Dolor
- College of Anaesthesiologists and Intensivists of Sri Lanka
- Association of Anesthesiologists and Reanimatologists of Republic of Srpska
- Sudanese Society of Anaesthesiologists
- Swedish Society for Anaesthesiology and Intensive Care Medicine
- Schweizerische Gesellschaft für Anästhesiologie und Reanimation SGAR
- Syrian Society of Anesthesiologists
- Society of Anaesthesiologists of Tanzania
- Royal College of Anesthesiologists of Thailand
- The Trinidad & Tobago Anaesthetists Association
- Société Tunisienne d'Anesthésie et de Réanimation
- Turkish Anaesthesiology and Reanimation Society
- Association of Anaesthesiologists of Uganda (AAU)
- Ukrainian Society of Anaesthesiologists
- Society of Anaesthesia, Critical Care and Pain Medicine of United Arab Emirates
- Association of Anaesthetists of Great Britain and Ireland
- American Society of Anesthesiologists
- Sociedad de Anestesiología del Uruguay
- Uzbekistan Society of Anaesthesiology and Intensive Care
- Sociedad Venezolana de Anestesiología
- Vietnam Society of Anaesthesiologists
- Society of Anaesthetists of Zambia
- Zimbabwe Anaesthetic Association



# FINANCE

The financial value of time freely donated by WFSA volunteers runs into millions of dollars each year.

## RETURN ON INVESTMENT

**Conservative estimates of the value of volunteer time utilised by the WFSA mean that the WFSA council and committee members contributed over \$1,000,000.00 of professional time in 2019.**

All programmes are delivered by physicians and trainers who provide their time free of charge and are organised by our Council and Committees, made up of highly experienced and renowned anaesthesiologists, on an entirely voluntary basis.

The teachers/mentors at WFSA teaching centres donated an estimated \$2,000,000.00 in time in 2019. The WFSA thus provides a return of around \$10 for every \$1 invested in the organisation by its membership.

In light of the financial and operational challenges posed by the COVID-19 pandemic, the WFSA will need to significantly increase the income derived from subscriptions and donations over the period 2020-2022 to continue to respond to the global crisis in surgery and anaesthesia.



## INCOME

WFSA revenue is derived from member subscriptions, interest, investment gains/losses and donations.

2019 Revenue total \$1,233,230*		
Membership dues \$531,288	Investments \$155,941	Donations / other \$857,883

## EXPENDITURE

The majority of WFSA's expenditure is allocated across Education, Publications and other grants, as well as support costs such as salaries, office space, legal fees, accountancy, and investment fees.

2019 Expenditure total \$1,647,276*		
Programmes \$864,073	Staff \$580,120	Office and Governance \$203,083

\*These are non-audited figures. A copy of the audited accounts can be requested from the Secretariat. The value of volunteer time made available to the WFSA is over US\$3m per annum, however this is an estimate and is not included in the accounts.

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World Federation of Societies of Anaesthesiologists (WFSA), 52 Horseferry Road, London SW1P 2AF

WFSA is an association registered in the Netherlands, No: 34318914 and a 501 (c) 3 in the USA. WFSA (UK) is a charity No. 1166545.