“There is something magic about Lifebox”
Dr Nobhojit Roy, Surgeon and Lancet Commissioner
Welcome Message

Lifebox Around the World

Lifebox Turns Five

Global Surgery 2015

WHO Checklist Implementation

Pulse Oximetry

Clean Cut

Lifebox Fellowship

Lifebox Community

Lifebox Online

Events and Conferences

Lifebox in the Press

Lifebox Impact

Plans for 2016

Support and Finance

Trustees

Donors

Contact Us

100 countries. 9000+ operating room staff trained. 10,000+ pulse oximeters distributed. 10 million patient lives made safer.

Since we first set out on our mission to save lives through safer surgery, we’ve covered a lot of ground. And as science historian James Burke said, ‘you can only know where you’re going if you know where you’ve been’.

In April 2016 we officially turn five. So what better way to start our celebrations than to look back at memories of the last few years in our own Lifebox scrapbook?

Welcome to a special edition of the Lifebox Annual Review, which won’t just be looking at the year passed, but also sharing highlights and milestones from the years that have brought us to this point.

In the last twelve months we’ve worked in collaboration with governments, national societies and health care champions in more than 20 countries. We’ve built partnerships across professional and geographic lines: from multi-disciplinary WHO Checklist training in association with the NGO Mercy Ships, to strengthening a cohort of West African education leads who will shape the long-term future of safer anaesthesia across the Francophone world.

We’ve seen our founding organisations take the lead for safer anaesthesia and surgery in their own professional communities, and we’ve taken our stories to the public stage: from local BBC radio to 80 million worldwide tuning in for Al Jazeera’s cutting edge medical programme The Cure, and its episode on our oximetry and Checklist innovation in Uganda.

As global health funding priorities catch up with reality, we’ve been able to work with some of the world’s most forward-thinking philanthropic organisations: GE Foundation, the Stavros Niarchos Foundation and the Flatley Foundation. With their help, we’re bringing practical change, long-term support and improvement sciences to surgical safety in low-resource setting hospitals. And of course our individual supporters, with their dynamic and dedicated activities, play a vital role: supporting our work and reshaping their own communities’ understanding of the wider healthcare world we live in.

Over the last five years, we’ve witnessed the field of global surgery shift and grow around us too. In April 2015 the Lancet Commission on Global Surgery published a report which showed that five billion people worldwide lack access to safe and affordable surgery and anaesthesia when needed. With pulse oximetry used in the report as a proxy for safety in surgery, we know that our work is playing a vital role, at a vital moment in time.

A few weeks later, the World Health Assembly convened in Geneva with global surgery on the agenda for the first time. We were delighted to be present for the historic passage of a resolution to strengthen surgery and anaesthesia as components of universal health coverage.

In short, 2015 was a landmark year for a public health field that wore the banner of ‘neglected stepchild’ with pride for years, because the insult was better than going nameless. So we’re excited to be a part of what 2016 brings - including the expansion of our own programmes, as we take our first steps towards developing a pilot project around reduction of another major killer in low-resource setting operating rooms: surgical site infection.

We’re optimistic about our future, and excited to share a snapshot of what’s next for Lifebox on page 31. Thank you for being a part of our journey.
Safer surgery is a global concern - and in the last five years, we’ve worked with frontline healthcare providers and international partners to change the map.

Country-wide oximeter distribution and training (oximetry and WHO Checklist)

Pulse oximeter distribution

Intensive WHO Surgical Safety Checklist training

Surgical site infection reduction pilot
Lifebox was born in answer to a growing global health crisis: unsafe surgery. A unique group of individuals and organisations - from our founding partners to frontline champions - saw that surgery was an essential and overlooked component of healthcare. They also saw, sometimes from tragic personal experience, that wider access to unsafe surgery was no use to anyone.

So in April 2011, Lifebox - ‘saving lives through safer surgery’ - launched. And this year we officially turn five!

Please join us as we look back at all the small and milestone moments that have shaped our work making surgery and anaesthesia safer around the world.

*Lifebox was set up in April by representatives from four of the world’s leading global health institutions - the Association of Anaesthetists of Great Britain and Ireland, the Brigham and Women’s Hospital, the Harvard T.H. Chan School of Public Health and the World Federation of Societies of Anaesthesiologists*

*The first countrywide education workshop took place in Uganda in July, delivering pulse oximeters and training to more than 100 anaesthesia providers*

*Lifebox Chair, Atul Gawande, delivered keynote at American Society of Anesthesiologists’ annual meeting in Chicago*

*Partnership established with Smile Train, one of the world’s leading cleft lip/palate charities to provide more than 2,000 pulse oximeters to partner hospitals around the world*

*Lifebox USA set up in January, as a sister organisation to Lifebox in the UK*

*Research highlights that the Lifebox oximeter meets US Food and Drug Administration standards for accuracy, and is recommended for use in low-resource settings - [www.bit.ly/LifeboxFDAstandards](http://www.bit.ly/LifeboxFDAstandards)*

*BBC feature “Six questions that could save your life” showed pilot WHO Checklist implementation in Rwanda, and global interest in safer surgery. [www.bit.ly/lifeboxbbc](http://www.bit.ly/lifeboxbbc)*

*Three-year project launched with the Kenya Society of Anaesthesiologists and Kenyan marketing firm WPP-Scangroup, for distribution of pulse oximeters and training to support anaesthesia providers at every public hospital in the country*

*Launch of first Resident Challenge organised by the American Society of Anesthesiologists, raising funds for oximeters and training - and empowering residents in global anaesthesia*

*Lifebox Chair, Atul Gawande, delivered keynote at American Society of Anaesthesiologists’ annual meeting in Chicago*

*Colleagues at the Australian Society of Anaesthetists take Lifebox to Vietnam, supporting equipment and training for anaesthesia providers at a workshop in the north*

*AAGBI members cycle from London to Bournemouth, a new Annual Congress tradition that would pedal anaesthesiologists across the country - and Lifebox with them*

*Colleagues at the New Zealand Society of Anaesthesiasts took Lifebox to Mongolia, to provide pulse oximeters and training to hospitals in need*

*National distribution and training projects in Burkina Faso, Cameroon (regional projects), the Gambia, Ghana, Sierra Leone, Moldova, Mongolia, Nepal, Nicaragua, Nigeria (regional projects), Rwanda, Vietnam (regional projects)*

*Workshop and distribution in Conakry, Guinea in association with Mercy Ships, a floating hospital providing essential surgery to West African countries*

*Launch of first Resident Challenge organised by the American Society of Anesthesiologists, raising funds for oximeters and training - and empowering residents in global anaesthesia*
A study from Uganda was published showing high uptake of pulse oximeters into clinical practice and demonstrable retention of knowledge following training [www.bit.ly/ugandapulseoximetrystudy]

Lifebox oximeter is included on the World Health Organization’s Compendium of innovative health technologies for low-resource settings - [www.bit.ly/whocompendium]

Our Surgical Safety Checklist video is unveiled – filmed in Rwanda, showcasing our support for surgical teams to implement and adapt this lifesaving tool - [www.bit.ly/lifeboxchecklist]

Major distribution project in Uzbekistan, funded by the European Society of Anaesthesiologists

Lifebox convened a meeting of international clinicians and experts in global health in Boston - resulting in our second stream of work, a program to reduce Surgical Site Infections


National distribution and training projects took place in Benin, Malawi (regional project), Zambia (regional project), Uzbekistan

A major donation received from the Boston-based Flatley Foundation, to roll out our safe anaesthesia work in Niger

The inaugural ‘Lifebox Day’ held in London, bringing together 60 global health enthusiasts to find out more about our work and how to get involved

Our MAKE IT 0® campaign united women around the world to highlight the importance of safe obstetric surgery for maternal health, in a push to mark 8 March International Women’s Day - [www.makeitzero.org]

Lifebox recognised as one of the 2014 Nominet Trust 100 organisations using technology for social change

Launch of AAGBI’s Lifeboxes for Rio fundraising campaign, an ambitious push by our co-founder to raise funds for 600 oximeters in low-resource settings.

Lifebox milestone – over 10,000 oximeters distributed to over 100 countries in Africa, Asia and Latin America

Lifebox received a $500,000 grant from GE Foundation to support a new surgical site infection programme being piloted in Ethiopia

The Stavros Niarchos Foundation provided funding for programme expansion into India, as well as a capacity-building challenge grant

A further major gift provided from the Flatley Foundation, this time for work in Ethiopia

Al Jazeera’s cutting edge medical show The Cure worked with Lifebox colleagues in Uganda to highlight the life-saving impact of oximetry and the WHO Checklist in low-resource setting hospitals

Lifebox's Born Safe Global social media campaign launched in collaboration with our pro bono creative agency LehmanMillet, advocating for safer surgery during childbirth for mothers and babies around the world

Funding received from the Bill & Melinda Gates Foundation will see the Lifebox oximeter optimised for use with small children

First Lifebox Fellows, Nick Owen and Rachel Freedman, were selected to support quality improvement and anaesthetic care in Ethiopia and Uganda - a fellowship programme in collaboration with the Association of Anaesthetists of Great Britain and Ireland, Difficult Airways Society, Obstetric Anaesthetists Association, Regional Anaesthesia UK, Royal College of Anaesthetists, Society for Obesity and Bariatric Anaesthesia, and World Anaesthesia Society

A further major gift provided from the Flatley Foundation, this time for work in Ethiopia

Lifebox: Australia & New Zealand' launched: a regional project to bring equipment and training to hospitals across the Asia Pacific region. This is a joint collaboration with the Australia and New Zealand College of Anaesthetists, the Australian Society of Anaesthetists, Interplast Australia & New Zealand and the New Zealand Society of Anaesthetists
No longer "the neglected step child of global health" as Paul Farmer famously put it, 2015 finally saw more international attention for global surgery. And how! This was a landmark year, and Lifebox is proud to have been a steady voice advocating for the safety of surgery as an essential component of access to it.

We engaged with medical professionals, global health experts, NGOs and governments around the world with the common goal to prioritise surgery and anaesthesia on the global health agenda.

In June the British Medical Association (BMA), the professional body for UK clinicians, gave their voice to colleagues worldwide. Their 2015 annual meeting passed a resolution supporting the recent progress in the field of global surgery and anaesthesia, and commending Lifebox as a leading force for making it safer.

The BMA's backing of our work is crucial: it shows that access to safe surgery and anaesthesia is a shared professional and public health concern, and everyone's responsibility.

In May we joined ministers of health, global health experts and activists from around the world at the World Health Assembly (WHA) in Geneva, where global surgery was on the agenda for the first time. We discussed equipment, infrastructure, training and education; all essential components for ensuring patient safety during surgery, and areas in which Lifebox has real expertise.

In April the year-long work of the Lancet Commission on Global Surgery culminated in the publication of a report aiming to put the reality of essential surgery at the heart of the global health agenda. It found that a staggering 5 billion people lack access to safe and timely surgical care.

Pulse oximetry is used by the Commissioners as a proxy for safety, one of the essential components of surgical access along with capacity, timeliness and affordability. Lifebox was highlighted as an example of effective and appropriate intervention.

Lifebox Chair, Atul Gawande wrote an accompanying editorial and said,

"This report makes clear how urgent the situation is and how innovative approaches, like that of Lifebox Foundation, can be used to save millions of lives."

AKA third edition of the Disease Control Priorities project: a vast and data-driven study into the challenges and most cost-effective solutions in global health. Commissioned by the World Bank, the first volume caused a very welcome stir - it's all about Essential Surgery.

We wrote about what this means to the wider public in The Huffington Post - and Lifebox Chair Atul Gawande joined expert voices in a Lancet article insisting that 'Improved access to essential surgery should be implemented early in the path to universal health coverage.'
**Checklist Implementation**

The WHO Surgical Safety Checklist is proven to reduce surgical complications and mortality by more than 40%. It is an essential communications tool that brings surgical teams together and helps keep patients safe. Lifebox was born out of the Checklist – our Chair, Atul Gawande led the work at the World Health Organization to develop it back in 2007-08 and we’re proud to be working with colleagues in low-resource settings to bring its life-saving impact to the frontline of the global surgery crisis.

**Cambodia**

**Partners**
- World Mate Emergency Hospital

**Project outline**
In July, Dr Tom Weiser, Lifebox USA trustee and Stanford surgeon - and part of the original team developing the Checklist - travelled to Battambang, Cambodia to introduce the WHO Surgical Safety Checklist at World Mate Emergency Hospital. Working closely with local surgical, anaesthesia and nursing colleagues, Dr Weiser helped the team adapt and implement the Checklist to suit their working environment.

Learn more about #safersurgeryCambodia here: www.lifebox.org/cambodia-checks

“Checklists can make us uncomfortable, but that passes. My main goal was to get the team talking to one another, and we certainly did this.” Dr Tom Weiser

**Ethiopia**

**Partners**
- GE Foundation
- Jimma University Hospital
- Federal Ministry of Health

**Project outline**
In Ethiopia we’re piloting an exciting 18-month programme to reduce surgical site infections (SSI) which includes Checklist training. This is led by Dr Weiser who in September last year travelled to the country to introduce the project at Jimma University Hospital. Working closely with the surgical team, Dr Weiser facilitated discussions encouraging colleagues to communicate with one another in order to adapt the Checklist to their needs.

Learn more about #safersurgeryEthiopia here: www.lifebox.org/safersurgeryethiopia

“The beauty of the ‘checklist’ is that it empowers surgeons and anaesthetists and nurses to change something themselves. It is a low cost initiative, simply using what they have in a better way.” Dr Michelle White, Mercy Ships

“Checklists can make us uncomfortable, but that passes. My main goal was to get the team talking to one another, and we certainly did this.” Dr Tom Weiser

**Madagascar**

**Partners**
- Mercy Ships

**Project outline**
Earlier this year we joined forces with Mercy Ships as they set sail for Madagascar. Dr Ed Fitzgerald, Honorary Lifebox Clinical Advisor was on the ground to facilitate our pulse oximetry distribution and the adaptation and implementation of the WHO Surgical Safety Checklist. Working with Mercy Ships colleagues and two local doctors, this super team lead well-attended introductory and refresher Checklist training courses at Lutheran Hospital and Centre Hospitalier Universitaire. Further work is continuing across Madagascar with the team going on a 22 city tour alongside local colleagues to improve surgical safety.

Learn more about #safersurgeryMadagascar here: www.bit.ly/safersurgeryMadagascar

“‘We are sure that we are doing correct surgery, and that we are operating on the right patient. Even the doctor has peace of mind when he does the right thing.’” Dr Felix Manirakiza, Kibagabaga District Hospital, Rwanda

**Rwanda**

**Partners**
- Kibagabaga Hospital
- Ariadne Labs

**Project outline**
Lifebox piloted our first WHO Surgical Safety Checklist implementation programme at Kibagabaga Hospital in Rwanda back in 2013, and earlier this year our Honorary Clinical Advisor, Dr Ed Fitzgerald visited the hospital to follow up on its use.

The uptake and adaptation of the Checklist at Kibagabaga Hospital has been a great success – with over 1,400 operations carried out each year, the Checklist is now an integral part of the hospital’s surgical standards.

Learn more about #safersurgeryRwanda here: www.bit.ly/safersurgeryRwanda

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A pulse oximeter is the only piece of equipment required to complete the WHO Surgical Safety Checklist. Mandated by the 2010 International Standards for a Safe Practice of Anaesthesia published by Lifebox co-founder, the World Federation of Societies of Anaesthesiologists (WFSA), this non-invasive oxygen monitor makes anaesthesia immeasurably safer - but is missing from more than 70,000 operating rooms around the world.

We are proud of our safer anaesthesia oximeter programme dedicated to closing this life-threatening gap, and to providing essential training and education to ensure that our environment-appropriate pulse oximeters are used effectively.

Over the last five years, we’ve distributed over 10,000 machines to more than 100 countries across Africa, Asia, Eastern Europe, Latin America and the Western Pacific.

We work closely with governments, national anaesthesia societies and global health partners to support safer surgery and anaesthesia - here’s a snapshot of 2015 in oximetry.

**Armenia**

**Partners**
- Armenian Society of Anaesthesiologists and Intensive Care Specialists (ASAICS)
- Bern University Hospital
- Kybele Inc.
- Ministry of Health of the Republic of Armenia

**Project outline**
In September we supported a refresher training workshop for anaesthesia providers across the country with a donation of 156 pulse oximeters. The workshop was run by ASAICS and maternal health NGO Kybele Inc. with the theme ‘Safety in Surgery and Updates of Obstetric Anaesthesia’. This was a collaborative effort with support from the Ministry of Health of the Republic of Armenia for the importation of the equipment. We are grateful for the generosity of colleagues at Bern University Hospital who supported the donation of oximeters.

Learn more about #safersurgeryArmenia here: www.lifebox.org/safersurgeryarmenia

“The oximeters contribute to increasing standards, improving safety - it’s positive, across the board. They’ll make a big difference in that every patient should be wearing one now both in theatre and recovery.” Gordon Yuill, Kybele Inc.

**Dominican Republic**

**Partners**
- ASA Charitable Foundation
- Physicians for Peace
- Sociedad Dominicana de Anestesiología (SDA)

**Project outline**
An oximeter makes an immediate difference, but a sustainable programme takes time to develop. As part of a multi-year effort, we were able to send more than 100 pulse oximeters to the Dominican Republic, with upcoming education workshops delivered through a collaboration between Lifebox, SDA and the surgical NGO Physicians for Peace.

We are grateful for the support of the ASA Charitable Foundation for this project, and to colleagues from across the Americas – such as Dr Carolina Haylock Looor (Honduras), Dr Sandra Leal (El Salvador), Dr Sandra de Izquierdo (Guatemala) and Dr Maria Eugenia Espinoza (Nicaragua) amongst many others – who continue to support safer surgery across the region.

“Project in the Dominican Republic is especially gratifying because it builds on the growing Lifebox movement across Latin America. Lifebox champions from all the countries in the region in which we have worked are the engine of the Dominican program, leveraging the ASA charitable foundation’s support.”

Dr Alex Hannerberg, Lifebox trustee

**Ethiopia**

**Partners**
- Southern Nations Nationalities and People’s Regional State Health Bureau
- Flatley Foundation

**Project outline**
In November Lifebox delivered a two day workshop in the Southern Nations Nationalities and Peoples Region (SNNPR), with distribution of 100 donated pulse oximeters, and training in oximetry and safer surgery. This saw more than 30 nurse anaesthetists in attendance. We’ve been working in Ethiopia for several years and we’re delighted to continue supporting #safersurgeryEthiopia.

Learn more here: www.bit.ly/lifeboxhawassa

“You simply cannot do surgery without an anaesthetic. But outside of the major centres - Addis, Jimma, Gonder - there’s often no doctor anaesthetist. So I’m really pleased Lifebox has taken this on, supporting these hospitals - they’re very excited.”

Mr Sunirmal (Biku) Ghosh, Founder of Southern Ethiopia Gwent Healthcare Link and Wales for Africa

**Cameroon**

**Partners**
- Cameroon North West Association of Anaesthetists (CAMNOWAA)

**Project outline**
In February, Lifebox donated 60 pulse oximeters and delivered training in collaboration with CAMNOWAA to anaesthesia providers across the country at the 2nd Scientific Conference in Shisong, with the theme of ‘Safe Surgery Saves Lives’. This brings the total number of Lifebox pulse oximeters provided to Cameroon, alongside training, to more than 290.

Learn more about #safersurgeryCameroon here: www.lifebox.org/safersurgerycameroon

“Since we began working with Lifebox Foundation in 2012, we have heard many reports of improvement in our ability to deliver safer anaesthesia and safer surgical care.”

Benson Nfon Tanjong, President of CAMNOWAA

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Dr Alex Hannerberg, Lifebox trustee
Partners
- Kenya Society of Anaesthesiologists (KSA)
- WPP-Scangroup Limited

Project outline
We’re so proud of our three-year partnership with the KSA and one of East Africa’s leading marketing firms, WPP-Scangroup, providing oximeters and training to hospitals across the country.
This collaboration not only means safer surgery for patients in Kenya. It is a model for sustainability and an example of how local businesses can support local health care initiatives.

Learn more about #safersurgeryKenya here: www.lifebox.org/safersurgerykenya

Partners
- Mercy Ships

Project outline
Earlier this year we joined forces again with our good friends at Mercy Ships in Tropical Madagascar to support anaesthesia providers with pulse oximetry training and WHO Surgical Safety Checklist implementation. 75 Lifebox pulse oximeters were distributed, making an immediate impact on safe anaesthesia.

“Excusing in pulse oximeter distribution and training, our first week started at the University Hospital in Tamatave. An enthusiastic group of 20 anaesthetic nurses, doctors and the head of service gathered for training, which was well received.” Dr Ed Fitzgerald, Lifebox honorary clinical advisor

Partners
- Society of Anaesthesiology & Reanimatology of the Republic of Moldova (SARRM)

Project outline
Following on from our 2013 distribution of oximeters for Moldovan ORs, in September 2015 we were thrilled to return - this time bringing oximetry to recovery rooms throughout the country. 270 pulse oximeters were distributed in collaboration with the Society of Anaesthesiology & Reanimatology at their national conference. Our trustee Dr Angela Enright, who was present at the inaugural meeting, returned to support colleagues who have shown such an extraordinary commitment to safer anaesthesia and surgery. Learn more about #safersurgeryMoldova here: www.lifebox.org/safersurgerymoldova

Partners
- Australian Society of Anaesthetists (ASA)
- DAK Foundation

Project outline
Earlier this year Lifebox partnered with the Australian Society of Anaesthetists and DAK Foundation to distribute 50 pulse oximeters with training to anaesthesia providers across the country. We’re proud to support colleagues across the West Pacific region thanks to our long standing partnership with the ASA, the New Zealand Society of Anaesthetists (NZSA), and the Australian and New Zealand College of Anaesthetists (ANZCA).

“Lifebox is the most cost-effective, life-saving monitoring equipment for safe surgery. A major boost for safe surgery and death prevention. The anaesthesiologist has never had it so good.” Dr. Oyebola Adekola, consultant Anaesthetist, Lagos University Teaching Hospital

Partners
- The Flatley Foundation
- Nigerian National Society of Anaesthesiology (NNSA)
- Nigerian Ministry of Public Health (MOPH)

Project outline
Thanks to a generous donation from the Flatley Foundation with support from the NNSA and MOPH, Lifebox ran a countrywide training workshop in Niger’s capital Niamey in May last year. We distributed 270 pulse oximeters to ensure that every government hospital OR and recovery setting in the country is equipped with this essential monitoring tool.

“We are thrilled about our partnership with Lifebox. Equipment and training will support colleagues who work day after day to provide safe surgical care for all our patients in Niger.” Dr. Maman Chaibou Sani, Head of Anaesthesia at Hôpital National de Niamey, Niger

Partners
- Association of Rural Surgical Practitioners of Nigeria (ARSPON)

Project outline
In October 2015, Lifebox champion Dr Oyebola Adekola gave a presentation about our work in coordination with the distribution of 70 pulse oximeters at the ARSPON 8th Annual Scientific Meeting in Ogun State. We’re proud of our partnership with ARSPON, an organisation with a vital mission: providing affordable surgical services to some of the most under-served communities in rural areas.

“We have published proof that with pulse oximetry, where 45 appendix were reduced. And personally - my nephew had an operation recently, in a hospital where we were able to donate a Lifebox pulse oximeter. I feel so proud. I realize we’re not just doing this for patients - it’s for us too.” Dr. Oyebola Adekola, Consultant Anaesthetist, Lagos University Teaching Hospital

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“We are thrilled about our partnership with Lifebox. Equipment and training will support colleagues who work day after day to provide safe surgical care for all our patients in Niger.” Dr. Maman Chaibou Sani, Head of Anaesthesia at Hôpital National de Niamey, Niger

Partners
- The Flatley Foundation
- Nigerian National Society of Anaesth
In May 2015, Lifebox donated 76 pulse oximeters and delivered training in both oxygen and the WHO Surgical Safety Checklist, in collaboration with SATA to anesthesia providers across the country at the society’s Second Annual Scientific Conference.

Partners
- Society of Anaesthesiologists of Tanzania (SATA)
- Tanzania Ministry of Health and Social Welfare (MoHSW)
- Life Support Foundation

Project outline
In May 2015, Lifebox donated 76 pulse oximeters and delivered training in both oxygen and the WHO Surgical Safety Checklist, in collaboration with SATA to anesthesia providers across the country at the society’s Second Annual Scientific Conference.

Learn more about #safersurgeryTanzania here: www.lifebox.org/safersurgerytanzania and read Lifebox champion Dr Bronwyn Rae’s blog here: www.lifebox.org/tanzania-diary

In November last year we collaborated with the Zambian Ministry of Health and our co-founders, the Association of Anaesthetists of Great Britain and Ireland, to deliver the 4th Lifebox and SAFE Obstetrics Anaesthesia course, this time in Ndola, Zambia. This four-day workshop saw anaesthesia providers from across the region receive training in pulse oximetry, the Surgical Safety Checklist and caring for expectant mothers. The workshop closed with all the attendees receiving a pulse oximeter.

Partners
- Association of Anaesthetists of Great Britain and Ireland (AAGBI)
- Republic of Zambia Ministry of Health
- Tropical Health and Education Trust (THET)

Project outline
In November last year we collaborated with the Zambian Ministry of Health and our co-founders, the Association of Anaesthetists of Great Britain and Ireland, to deliver the 4th Lifebox and SAFE Obstetrics Anaesthesia course, this time in Ndola, Zambia. This four-day workshop saw anaesthesia providers from across the region receive training in pulse oximetry, the Surgical Safety Checklist and caring for expectant mothers. The workshop closed with all the attendees receiving a pulse oximeter.

Learn more about #safersurgeryZambia here: www.lifebox.org/safersurgeryzambia

In October last year we built on our previous Vietnam training and distribution of pulse oximeters to anaesthesia providers across the country as part of a training workshop in January 2015. We hope this will be the start of an ongoing collaboration. As surgery is on the rise in Uzbekistan, it is critical that we ensure that anaesthesia providers have access to this essential equipment.

Partners
- Uzbekistan Society of Anaesthesiology and Intensive Care (USAI)
- Ministry of Public Health of the Republic of Uzbekistan
- European Society of Anaesthesiology (EASA)

Project outline
Thanks to a generous donation from ESA, Lifebox provided an initial 100 pulse oximeters to anesthesia providers across the country as part of a training workshop in January 2015. We hope this will be the start of an ongoing collaboration. As surgery is on the rise in Uzbekistan, it is critical that we ensure that anaesthesia providers have access to this essential equipment.

Learn more about #safersurgeryUzbekistan here: www.lifebox.org/safersurgeryuzbekistan

Our pulse oximetry partners
Global surgery is all about team work and we are proud to collaborate with a range of individuals and organisations around the world for safer surgery. Here are some of the partners we worked with to deliver life-changing oximetry and education in 2015.

AmeriCares: In the last year we’ve been delighted to work with emergency response and global health organisation AmeriCares, with support from the Flatley Foundation to distribute pulse oximeters and training materials via their surgical volunteers. They’re helping us to safeguard more patients around the world - leaving a lasting legacy of safer surgery behind them.

Interplast: We’re thrilled to announce the next stop in the long-term, coordinated planning for our work in the Asia Pacific region, with the launch of Lifebox Australia & New Zealand: a collaboration with the Australia and New Zealand College of Anaesthetists (ANZCA), the Australian Society of Anaesthetists (ASA), Interplast Australia & New Zealand Interplast and the New Zealand Society of Anaesthetists (NZSA).

Mercy Ships: Our collaboration with Mercy Ships, the largest charitable hospital ship in the world, has helped us reach some of the world’s poorest communities with essential surgical services. From Guinea to Madagascar we’ve worked with both local colleagues and those on board the ship to distribute monitoring equipment and deliver pulse oximetry and WHO Checklist training.

Operation Smile: Since 2013 we’ve worked closely with Operation Smile, an international charity working to transform the lives of children born with facial deformities through reconstructive surgery. This partnership involves the distribution of pulse oximeters with training in pulse oximetry and the WHO Checklist to health care workers in low resource settings where Operation Smile is delivering surgical care.
Infections are a major threat to surgical patients—particularly in low-resource settings, where rates can be twice as high or more than those reported in high-income countries. Patients suffer and hospitals are strained beyond capacity. But to date, there has been no best practice strategy for addressing this crisis. As part of our work to make surgery safer worldwide, we’re stepping up to the challenge!

In July 2015 we received a generous grant of $500,000 from the GE Foundation to support our ground-breaking Surgical Infection Prevention Initiative: CLEAN CUT (Checklist Expansion for Antisepsis and Infection Control: Customization, Use, and Training). We’re thrilled to be working with the GE Foundation, an organisation committed to improving the safety of surgery in low-resource settings.

Over the next 18 months we’ll establish a technical workstream aimed at reducing the incidence of surgical infection through simple and scalable interventions starting with our pilot site in Jimma University Teaching Hospital, Ethiopia. Led by Dr. Thomas Weiser, Lifebox USA trustee and Assistant Professor (General Surgery) at Stanford University Medical Center, we’ll work closely with local colleagues to develop a set of standards that address the most fundamental and life-saving aspects of safe, clean surgery.

**Key Activities**
- Engage local champions from surgical, obstetric, anaesthesia and nursing professions
- Provide guidance on implementation while empowering local processes
- Refine and expand the programme at a single pilot site
- Launch a countrywide initiative in partnership with in-country collaborations

**Areas of Focus**
- Skin decontamination – appropriate skin preparation before surgery
- Integrity of sterile gowns, gloves and drapes during surgery
- Decontamination and sterilisation of surgical instruments
- Antibiotic stewardship – timing and appropriateness of antibiotic administration
- Swab counting – assessment of how swabs and instruments are tracked during surgery
- Wound surveillance – care and documentation of surgical wounds

Safer surgery doesn’t happen overnight—it’s a gradual process that we’re excited to share with you over the coming year, as our Fellows report back from their bases. You can get to know our fellows Dr. Nicholas Owen, (ST6 Anaesthetic Trainee in The Central London School of Anaesthesia), and Dr. Rachel Freedman (ST6 Imperial School of Anaesthesia) at the Lifebox Fellow’s Corner: www.lifebox.org/fellows-corner.

Quality improvement in safe surgery isn’t wishful thinking—it’s a science and an interactive process. So we’re really excited about the very first Lifebox Fellowships which launched this year: two six month placements in Ethiopia and Uganda, supporting long-term engagement with our safer surgery work.

Thanks to Lifebox co-founder the Association of Anaesthetists of Great Britain and Ireland (AAGBI), alongside the Difficult Airways Society, Obstetric Anaesthetists Association, Region Anaesthesia UK, Royal College of Anaesthetists, Society for Obesity and Bariatric Anaesthesia, and World Anaesthesia Society (WAS), we’ve been able to send two UK anaesthetists to work with colleagues at two sites: Mbarara Regional Referral Hospital in Uganda, and Jimma University Specialised Hospital in Ethiopia. The locations reflect our long history in both countries and strong local support for safer surgery.

We were delighted to introduce our first fellows with an article in The Bulletin—a thoughtful, optimistic conversation about why they applied, and what they hope to achieve.

**Fellow’s Corner**

Safer surgery doesn’t happen overnight—it’s a gradual process that we’re excited to share with you over the coming year, as our Fellows report back from their bases. You can get to know our fellows Dr. Nicholas Owen, (ST6 Anaesthetic Trainee in The Central London School of Anaesthesia), and Dr. Rachel Freedman (ST6 Imperial School of Anaesthesia) at the Lifebox Fellow’s Corner: www.lifebox.org/fellows-corner.
Lifebox is a small organisation with an ambitious goal - and it’s our incredible community that makes the work possible. Over the years we’ve received support from a global network of friends, donors and volunteers. Alongside our amazing safer surgery champions worldwide, they’re helping to ensure that millions of people have access to safer surgery. Here are just some of the ways they’ve helped us to change the face of global surgery in 2015.

**Our Supporters**

We appreciate each and every single person who helps raise funds for safer surgery. There are so many ways to support our work, from the kitchen to the mountain tops - and we’re excited to share snapshots from these stories below. See more at: [www.lifebox.org/supporters](http://www.lifebox.org/supporters)

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**I was immediately intrigued and delighted to find an organisation providing a simple, sustainable and pragmatic intervention that truly saves lives.** Dr Laura Irwin, anaesthetic trainee

**Any anaesthetist would recognise that universal access to pulse oximetry is valuable and needs to happen.** Dr Rob Greenberg, Associate Professor, Johns Hopkins Hospital

**I am now a massive fan of the Lifebox Foundation and greatly believe in their mission of making surgery safer globally by providing equipment, education and training - starting with the pulse oximeter!** Dr Mary Avanis, ST7 Anaesthetics, Great Ormond Street Hospital

**Lifebox is a charity that appealed to me, it has a demonstrable outcome in safer surgery in other countries and is what we try to do in the UK.** Dr Guy Jackson, Consultant Anaesthetist, AAGBI Council Member

**Lifebox Day**

In April 2015 we held our second ever Lifebox Day: an event that brings together medical professionals with an active interest in global surgery. We met again at the Camden People’s Theatre for a day of captivating talks, interactive workshops and lively discussion. A huge thank you to our expert speakers including David Nott OBE, the attendees who travelled from near and far, and our lunch sponsors Chipotle for making this year’s event a great success!

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**Lifeboxes for Rio**

We’re so grateful to have the support of the global anesthesia community, and to have our co-founder the Association of Anaesthetists of Great Britain and Ireland (AAGBI) helping to lead the charge. In September 2014 the AAGBI launched Lifeboxes for Rio, a two year campaign to raise funds for 600 pulse oximeters: one in tribute to every British athlete attending the Olympic and Paralympic Games in 2016.

So far, Lifeboxes for Rio has raised over £50,000! Thanks to the efforts of anaesthetists and medical professionals across Great Britain and Ireland who’ve cycled, baked cakes, run marathons and given their all in the name of safer surgery. We’re proud to celebrate their incredible efforts below. To learn more about Lifeboxes for Rio or to make a donation visit: [www.bit.ly/lifeboxes4rio](http://www.bit.ly/lifeboxes4rio)

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**ASA Residents Challenge**

In 2013 the American Society of Anesthesiologists (ASA) introduced the Lifebox National Challenge. Led by the ASA Resident component, this 12 month competition challenges US anesthesia residency programmes to raise funds for Lifebox pulse oximeters. This exciting initiative is bringing together anaesthetic trainees from across the country: a new generation with a new commitment to the global anesthesia community. This year the two winning programmes were University of Miami and University of Mississippi, raising more than $8500 in total. Read an interview with three of the University of Miami’s residents here: [www.bit.ly/asaresidentschallenge](http://www.bit.ly/asaresidentschallenge)

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**European Society of Anaesthesiology**

When we say that safer surgery is a global crisis, we do mean global. Many colleagues in eastern Europe suffer from a lack of appropriate equipment and safe systems - so of course their patients do too. The European Society of Anaesthesiology is helping us to meet this need. Following their first major donation to Uzbekistan last year we’re excited to announce that Lifebox is their conference charity for 2016.

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Over the years Lifebox has built a strong online presence through our website (www.lifebox.org) and social media platforms thanks to the support of our friends and safer surgery champions around the world. We don’t have to be in the same physical space to have a real conversation - and there are so many extraordinary individuals around the world that we’re excited to talk to and learn from.

Through channels like Twitter and Facebook we’re using social media to raise awareness about the crisis of unsafe surgery around the world, to share the stories of Lifebox advocates in the field and drive global surgery discussions.

During 2015 we launched a number of exciting social media campaigns.

**Small Charity Week**

In August we took part in Small Charity Week, celebrating the contribution that small charities make to communities throughout the UK and across the world. We encouraged our supporters, donors and friends to share the reasons why they support our safer surgery work using the hashtag #ILoveSmallCharities.

We were delighted to be featured in the ‘I am (Wo)man campaign’, a powerful initiative launched by UN Women and the Canadian government as part of the Knowledge Gateway on Women’s Economic Empowerment to raise awareness of the importance and necessity of women’s economic empowerment through digital media and social media outreach.

In a short video shared on the empower women website, Lucy Lawach – a nurse anaesthetist supported by Lifebox in Uganda – talks about the importance of her profession to her family and community. Hear more from Lucy at: www.bit.ly/lucystory

**World Humanitarian Day**

In August we took part in the United Nations World Humanitarian Day, celebrating humanitarian work around the world. This year the spotlight was on Humanitarian Heroes - people from all walks of life committed to making a difference. We were thrilled to have the opportunity to celebrate the Lifebox Humanitarian Heroes - colleagues from around the world committed to delivering safer surgery and anaesthesia. They weren’t comfortable with the spotlight for themselves - but for their work, and their communities, which they passionately believe in.

Learn more about our #HumanitarianHeroes campaign at: www.lifebox.org/humanitarianheroes

**Rugby World Cup 2015**

At Lifebox, international sports are always more than just a game. As teams and fans gathered for the Rugby World Cup, we joined in the celebrations too, through our #LifeboxRugby social media campaign. Throughout the tournament we highlighted how the teams compared off the pitch in terms of key global health indicators such as life expectancy and maternal mortality. Learn more about #LifeboxRugby at: www.lifebox.org/lifeboxrugby

**Liya Kebede Foundation Instagram**

Earlier this year, Lifebox partnered with the Nigerian anaesthesia community, the Nigerian Ministry of Public Health and the Flatley Foundation to support safer surgery in Niger through countrywide pulse oximetry distribution and training of anaesthesia providers. What better way to celebrate one collaboration than with another? So in October we joined forces with the Liya Kebede Foundation (LKF), a maternal health NGO founded by World Health Organization Goodwill Ambassador and supermodel Liya Kebede, to showcase our work in Niger focusing on maternal health - and the life-saving impact that safe surgery can have for mothers and babies worldwide. Learn more about our week on the LKF Instagram at: www.bit.ly/LifboxNiger

**Born Safe Global**

Earlier this year our longstanding pro bono collaboration with the healthcare communications firm LehmanMillet led to the launch of ‘Born Safe Global,’ an online campaign aimed at raising awareness about how unsafe surgery impacts mothers and children around the world.

Through social media we encouraged our friends and supporters to share their childbirth stories to help spread the word and advocate for women in low-resource settings who do not have access to safe surgery when giving birth. Learn more about Born Safe Global at: www.bornsafeglobal.org

**Universal Health Coverage Day**

Saturday 12 December 2015 was Universal Health Coverage Day, a rallying call to action to ensure global access to affordable and quality health care services for all when needed. We marked this important initiative by sharing photos of colleagues on the frontline of surgery and anaesthesia practice in Zambia, because health for all means access to safe surgery and anaesthesia care. Learn more about our Universal Health Coverage Day celebrations here: www.bit.ly/lifboxUHCday2015

**Gawande Bday Goal**

In December 2015 we launched the Gawande Birthday Goal in celebration of our Chair, Atul Gawande’s 50th Birthday. We’re marking 50 years by raising $50,000 for Lifebox and if we succeed, a challenge grant from the Stavros Niarchos Foundation doubles this to $100,000. This is an ongoing campaign and we’re encouraging our supporters to share their favourite Atul reads and in doing so help us change lives worldwide! Learn more about #GawandeBdayGoal here: www.lifebox.org/gawandebdaygoal

**Lifebox Rugby**

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Lifebox is proud to be an active member of the global surgery and anaesthesia community. Over the years we’ve attended a number of key events to help spread the word that safer surgery saves lives - and share the work we’re doing to make it a global reality.

2015 was a game-changing year for surgery, and we’re thrilled to have been at the forefront of this global movement to improve access to safe care in low-resource settings.

There’s a 24/7, virtual, vital conversation to take part in, as “Lifebox online” shows (p24 -25). But showing up - having the opportunity to learn and share stories face to face - is invaluable. Here are just some of the places we took Lifebox to this year.

AAGBI - Winter Scientific Meeting
The Association of Anaesthetists of Great Britain and Ireland’s WSM is our first must-attend event of the year. Anaesthetists from across the UK and further afield gather in London for this three day event to learn, debate and network.

Association of Surgeons in Training - conference
ASiT holds the future scalps of global surgery in its hands! We appreciate the group’s ongoing support of surgical skills courses worldwide - and their ongoing engagement with Lifebox.

Rotary International in Great Britain and Ireland
Lifebox is fast becoming a familiar flash of yellow in the Hall of Friendship at RIBI’s annual meeting, which turned 50 this year in Belfast. It’s a chance to catch up with Rotarians who have welcomed and supported Lifebox from Manchester, UK, to Cotonou, Benin.

Lancet Commission on Global Surgery - Launch
Lifebox founder and chair Atul Gawande was a keynote speaker at the long-awaited Lancet Commission launch at the Royal Society of Medicine in April. The highly anticipated report, led by 25 experts in the field of surgery and anaesthesia (including Lifebox trustee Dr Iain Wilson) found that 5 billion people lack access to safe surgical care.

World Health Assembly
The WHA takes place every May in Geneva, and Lifebox attended alongside our co-founders the World Federation of Societies of Anaesthesiologists. We prepared a powerful statement for a side event on global surgery, and watched as history was made: aka the Resolution on strengthening emergency and essential surgical and anaesthesia care as a component of universal health coverage passed unanimously.

European Society of Anaesthesiology - Euroanaesthesia
Lifebox is lucky to join ESA’s annual conference every spring, hosted in 2015 in Berlin. Euroanaesthesia is a fantastic opportunity for us to meet colleagues driving the safe anaesthesia agenda across the continent, and we’re excited for the grand plans underway at Euroanaesthesia in London 2016!

British Medical Association - Annual Representative Meeting
A defining moment for Lifebox and the BMA in summer 2015, as the professional body for UK students and clinicians passed a resolution commending recent progress in the field of global surgery and anaesthesia, and supporting projects to make it safer.

Group of Anaesthetists in Training - Annual Scientific Meeting
In June we attended the AAGBI’s GAT conference in Manchester, engaging trainee anaesthetists - the future of global anaesthesia - in our safer surgery work.

CARE Convention
In June Lifebox headed to the CARE Convention hosted by our generous friends Fisher & Paykel. This conference now in its 6th year attracts health care professionals including anaesthetists and intensivists working in and interested in respiratory care.

AAGBI Annual Congress
Lifebox headed to Edinburgh for the AAGBI Annual Congress in September. We’re delighted that Lifeboxes for Rio was one of the highlights of this event - including the premiere of an incredible new video featuring AAGBI president Andrew Hartle showcasing the campaign! www.bit.ly/lifeboxes4riovid

Developing World Anaesthesia
Lifebox was warmly welcomed to the first London DWA course – a highly practical one-day overview for anaesthetists planning to do work in a low-resource setting.

International Federation of Gynecology and Obstetrics - World Congress
Our trustee Dr Angela Enright spoke at the president’s session, emphasising the high volume of emergency surgery represented by Caesarean sections. Addressing the crisis of unsafe surgery is essential for addressing maternal health.

John Snow Society - Pumphandle Lecture
Our chair Atul Gawande delivered this year’s lecture in a series that reflects on the continuing challenges we face in public health - in water and other fields. ‘On Removing the pumphandle: Innovation and Implementation’ addressed a packed and rapt crowd at the London School of Hygiene and Tropical Medicine.

Lancet Commission on Global Surgery - Launch
Lifebox co-founders the WFSA celebrated World Anaesthesia Day on 16 October with the launch of their SAFETY campaign - Safe Anaesthesia For Everybody Today. We’re so proud to be a part of this initiative which aims to put safe anaesthesia at the heart of safe surgery, globally.

American Society of Anesthesiologists - ANESTHESIOLOGY 2015
For the past five years we’ve been happy fixtures at the Global Humanitarian Outreach booth - raising awareness of the ASA’s work to support colleagues beyond US borders, and their ongoing support of Lifebox projects in Central and Southern America.

World Airway Management - Meeting
We joined the Difficult Airway Society (a co-founder of our Lifebox Fellows in Ethiopia and Uganda) and the Society for Airway Management (SAM) for their first ever joint annual scientific meeting in Dublin.

SARANF - Congress
Lifebox trustee Dr Angela Enright returned to Niamey in Niger - the site of our country-wide oximeter distribution and training programme in the summer - to join colleagues at SARANF (Societe d’Anesthesie Reanimation).
Double the risk of surgical site infection. 70,000 Operating Rooms without access to pulse oximetry. 5 billion people without access to safe and affordable surgery.

How do we even begin to make sense of the human cost of these astonishing numbers? Stories can help, and this year we’ve been proud to bring our work to the headlines. From global health publications to community news, it’s a privilege to share the faces, the challenges and the triumphs of safer surgery - stories that can make us suddenly understand what it is to be that one in 5 billion.

For a full list of Lifebox news stories, visit: www.lifebox.org/news-coverage

The British Medical Journal is a leading voice in UK - and global - medical research. Online, it’s also a forum to educate and explore some of the toughest healthcare challenges we face.

This year we’ve made several appearances in their pages - from a medical student’s powerful statement on ‘Why you should know about global surgery,’ to a surgeon’s reflection on why we’re ‘Celebrating global health on World Humanitarian Day’ and a Q & A with our very own founder, surgeon and New York Times bestselling author Atul Gawande.

We were thrilled to see Ugandan colleagues getting academic recognition for their real life work implementing the WHO Surgical Safety Checklist as a quality improvement programme in the journal Anaesthesia in November. Sweetening this success was an accompanying editorial by our US trustee Dr Alexander Hannenberg. ‘The World Health Organization safe surgery checklist as a catalyst for system improvement’ is an eloquent recognition of the context, challenges and value of celebrating incremental improvements that lead to long-term change. “It was time-consuming, deliberate, inter-professional and created a climate of collaboration and focus on improvement…” the editorial explains, giving nuance and credit to the team’s iterative work towards a safer standard of care.

The editorial also highlights the impact of Lifebox. Through our ongoing drive to close the global pulse oximetry gap, and our newest programme addressing the crisis of surgical site infection, Lifebox is “taking on the task of giving meaning, one by one, to the individual elements of the Safe Surgery Checklist.”
"Pulse oximetry saves lives!"
Dr Rob McDougall, Australia

"Lifebox is important because it helps save lives which otherwise might have been lost.
Dr Jannicke Mellin-Olsen, Norway

"Lifebox is important because it helps to build teamwork in the operating theatre.
Wayne Morris, New Zealand

"Last year we distributed over 100 Lifebox pulse oximeters donated by the ASA Charitable Foundation to 22 hospitals. This helped improve care in the OR and also in the recovery areas.
Dr Sandra de Izquierdo, Guatemala

We're so proud of what Lifebox has accomplished in the last five years. We've distributed over 10,000 pulse oximeters to more than 100 countries around the world, supported surgical teams in implementing the WHO Surgical Safety Checklist and spear-headed a new surgical site infection programme in Ethiopia. This means that many more anaesthesia providers in low resource settings have access to essential monitoring equipment, training, education and support and millions more patients have access to safer surgery.

To mark our five year anniversary we will host a series of events throughout 2016 to mark our achievements and our colleagues, friends and safer surgery champions around the world who’ve helped make these a reality. Look out for our anniversary updates online via the hashtag #LifeboxTurns5 as we celebrate 5 years of Lifebox 10 million stories of safer surgery.

To Do List

- We'll continue to expand our pulse oximetry work, distributing a further 10,000 pulse oximeters by 2018 and doubling our training numbers over the next five years (the global pulse oximetry gap, estimated at 77,000 in 2010 isn’t going to close itself).
- Our surgical site infection project, designed to reduce this dangerous and complicated aspect of surgery by 50% will grow from a pilot site to a scalable programme.
- We will continue to develop our research agenda, partnering with academic programmes, teaching institutions, and frontline colleagues to measure and improve our impact and make a meaningful contribution to the global surgery conversation.
- Our small team will continue to work in collaboration with colleagues and supporters around the world, with the aim to partner with at least one government by 2018 to highlight safe surgery as a key health priority, and invest resources in sustaining all our programmes.
- Unsafe surgery is a global crisis - we will effectively engage with governments, the public, NGOs and other institutions to improve surgical safety around the world.

Because global safer surgery takes teamwork - and every single day at Lifebox we know how privileged we are to play for this team.

Thank you for joining us - and for standing side by side as we look to the future.

Long before we wrote the last page we were looking to the next chapter! We’re incredibly proud of our past but we know that Lifebox has a lot more work to do.

Global surgery is changing fast, and we’re excited to keep pace with it - to find ways to move even faster. Take a look at our list of priorities below.

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- Our surgical site infection project, designed to reduce this dangerous and complicated aspect of surgery by 50% will grow from a pilot site to a scalable programme.
- We will continue to develop our research agenda, partnering with academic programmes, teaching institutions, and frontline colleagues to measure and improve our impact and make a meaningful contribution to the global surgery conversation.
- Our small team will continue to work in collaboration with colleagues and supporters around the world, with the aim to partner with at least one government by 2018 to highlight safe surgery as a key health priority, and invest resources in sustaining all our programmes.
- Unsafe surgery is a global crisis - we will effectively engage with governments, the public, NGOs and other institutions to improve surgical safety around the world.

Because global safer surgery takes teamwork - and every single day at Lifebox we know how privileged we are to play for this team.

Thank you for joining us - and for standing side by side as we look to the future.
Safer surgery is a human right - but it costs time, money and expertise. We’re extraordinarily grateful to the individuals and organisations that have given all three.

The commitment of our co-founders secures our long-term future: not always headline-grabbing, but an extraordinary investment in the lives of patients and colleagues worldwide.

We’re grateful to:

While we’re enormously appreciative of our community (read their stories here: www.lifebox.org/supporters) and their endlessly creative fundraising, we’re grateful to those individuals who give quietly too. A list of all individual U.K. and U.S. Lifebox donors in 2015 can be found on the back pages. Donors who have supported Lifebox indirectly through other partner societies and campaigns, including the AAGBI’s Lifeboxes for Rio and the ASA’s Charitable Foundation are not listed here, but have our sincere thanks.

Our Spending

Assistance from our co-founders ensures that the majority of donations received (unless otherwise specified) go directly towards supporting our programmes.

The above chart represents combined spending at Lifebox UK from 1 Apr 2014-31 Mar 2015 and Lifebox USA from 1 Jan-31 Dec 2014.

The latest financial statements of Lifebox UK (for the period 1st April 2014 to 31st March 2015) can be viewed on the Charity Commission website. This also has details of our trustees, registered address and other statutory information.

For reviewed financial statements for Lifebox US (for the period January 1 to December 31, 2014), please contact Kit Nichols at kit@lifebox.org.

Others this year have helped us to take our programmes to the next technical and geographic level. In 2015, we acknowledge the support of:

- Bill and Melinda Gates Foundation
- GE Foundation
- Howard and Michele Kessler
- The Flatley Foundation
- Bill and Melinda Gates Foundation
- GE Foundation
- Howard and Michele Kessler
- The Flatley Foundation
- Jean Thomson Trust
- Kesslers Charitable Foundation
- Rx Foundation
- Stavros Niarchos Foundation

These extraordinary institutions and people, dedicated to changing paradigms of global health, enable us to do the same. From countrywide oximetry and training, to the development of a new surgical site infection reduction programme, we are expanding our mission to make surgery safer around the world.

And sometimes support doesn’t come with a cheque - it comes with time, guidance and skills that bridge professional worlds. We’re particularly grateful this year to our friends who have given their expertise so generously, graciously and vitally.

- Ariadne Labs
- Centrum PR
- Collaborate: Ideas & Images
- Fritz DeGuglielmo, LLC
- Jean Thomson Trust
- Kesslers Charitable Foundation
- Rx Foundation
- Stavros Niarchos Foundation
- Hogan Lovells
- Lifebox Development Advisory Board
- LehmanMillet
- WilmerHale, LLC

We’re also grateful to our MAKE IT 0® partners around the world (listed below) who stand behind our campaign to close the global pulse oximetry gap.

- Airway Management Academy
- American Academy of Anaesthesiology Assistants
- American Association of Nurse Anesthetists
- American College of Surgeons - Operation Giving Back
- American Association of Surgical Physician Assistants
- American Society of Anesthesiologists
- American Society of PeriAnesthesia Nurses
- Association of Anaesthetists of Great Britain and Ireland
- Association of Surgeons of Great Britain and Ireland
- Association of Surgeons in Training
- Australian Society of Anaesthetists
- Australian and New Zealand College of Anaesthetists
- Australasian Society of Anaesthesia Paramedical Officers
- British Anaesthetic and Recovery Nurses Association
- Canadian Anesthesiologists’ Society
- European Operating Room Nurses Association
- European Society of Anaesthesiology
- Israel Society of Anaesthesiologists
- Nederlandse Vereniging voor Anesthesiologie
- New Zealand Society of Anaesthetists
- Norsk Anestesiologisk Forening
- Pakistan Society of Anaesthesiologists
- Slovak Society of Anaesthesiology and Intensive Care
- Sociedade Brasileira de Anestesiologia
- Societe Belge d’Anesthese et de Reanimation
- South African Society of Anaesthesiologists
- Svensk Forening for Anestesi och Intensivvard
- Society of Anaesthesiologists of Hong Kong
- Turkish Anaesthesiology and Reanimation Society
- World Federation of Societies of Anaesthesiologists
Gifts Received January - December 2015

United States:
- Ryan Anderson, Benevity Impact Fund
- Loredana Berkowitz, Chesney Burgweirger
- Jacob Byers, Case PATH
- Stephanie Christensen, Patricia Cucchiarri
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- Cindy Haber, Eric Heyer, Matthew and Jessica Huckins
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- You-Tsu, Margaret Lee, Deborah Lotterman
- Basil Mathews, Ryan Mcconnn, Debra Mccguire
- John Mitchell, Raymond Mobley
- Ann and Al Mullen, Emily Muns
- Kurt Paul NANDa, Kit Nichols, and Duncan Kuhn
- Anesthesia Associates of Columbus
- Andrew O’Halloran, Ottawa Hospital Department of Anesthesiology
- Sean Philippo, Pizzazz 3.34 Co.
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- Max Samimi, Annette Schurr, Jonathan Schwartz, Thomas Seagrevae, Khaleda Sekaran
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United Kingdom:
- Jenny Abbott, Hamid Abboudi, Ola Adjobi, Sonia Akrimi, Ravi Akgar, Kavit Amin
- Audrey Anderson, David Archer, Alisa Aspin, Jennie Attah, Mary Claire Avanis, Beverly Axford-Hawkwe, Lea Ballerio, Janie Barrie, Graeme Barrie, Julie Baruah-Jan, Basel University Hospital
- Graham Bell, S A Bird, J.C. Bos, Helen Bromhead, Claire Broomfield
- Ellis Basford, Becton Dickinson India Pvt. Ltd
- Jenny Crossley, Lewis Dann, Phil Dart, Lewis Davies
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- Rebecca Mckleweight, Jean Miller, Uprna Misra, Marilyn Monkhouse, Christopher Munchhouse, Liz Morgan, A D Morley, Anne Mountford, Lyndsey Muir, Ashlii Mullan, Brenda Nance, Archie Naughton, Paul Nicolson, Andrew Norton, Chukwuemeka Nwuba, Thomas Odell, Adebola Okojede, Onidian Medical Ltd
- Mr Jason Yeung

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Lifebox 2015 Annual Report