



FROM THE CEO

2021, what a year. While it wasn't without its challenges, together we powered on to care for animals in need and raise the standard of veterinary care globally. We expertly treated 81,894 animals, performed 19,908 humane sterilisations, and administered 26,047 rabies vaccinations to protect whole communities against disease, and so much more.

At our International Training Centres, we delivered world-class surgical training to 740 veterinary students and professionals, and upskilled a further 696 vets and nonvets in harder-to-reach places through our All-Terrain Clinic, WVS Taskforce, and outreach programmes. We also launched the WVS Academy, a free online resource, to inspire and empower even more of the global veterinary community working in resource-limited settings.

In the field, we ran mobile clinics and outreach programmes to not only support animals but the communities that rely on them. Everything from tourist-riding horses in India to donkeys who carry water for rural communities in Mozambique. In a wildlife reserve in Malawi, we even set up a field clinic to assist rangers with sick and injured wildlife, reintroduce and monitor key species, and contribute to conservation efforts through expert veterinary care.

None of this would have been possible without our partners, donors, volunteers, and staff who have remained by our side. Thank you for making 2021 another extraordinary year.

Rock on!

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Dr Luke Gamble BVSc DVM&S FRCVS Founder & CEO Worldwide Veterinary Service

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The charity on a mission to help every animal in every corner of the world.

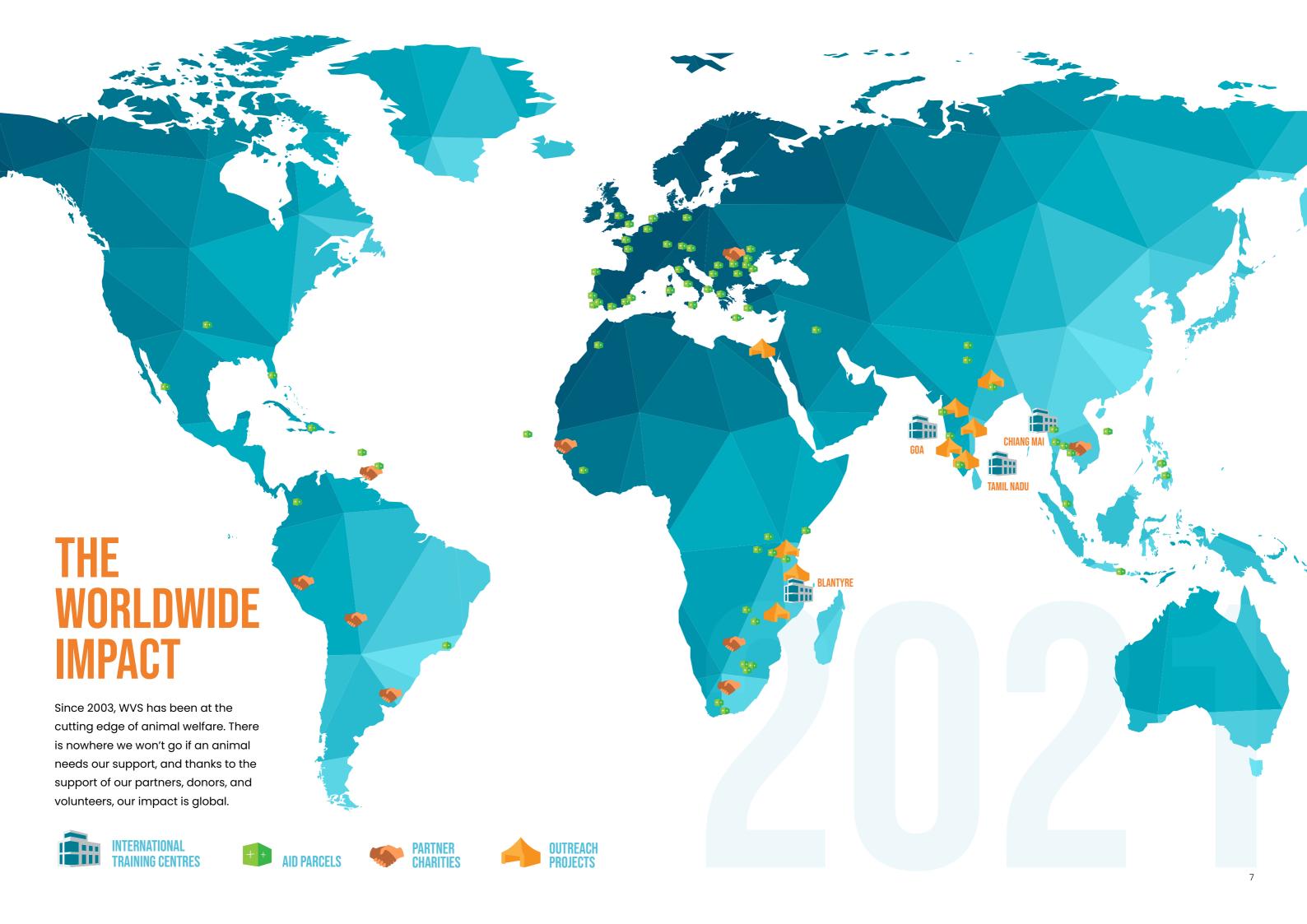
We are Worldwide Veterinary Service (WVS), a UK-based charity that provides free expert care to animals in need all over the world. We send vets where they are needed most, train others to increase the standard of care globally, and ship urgent aid supplies worldwide, every week of the year.

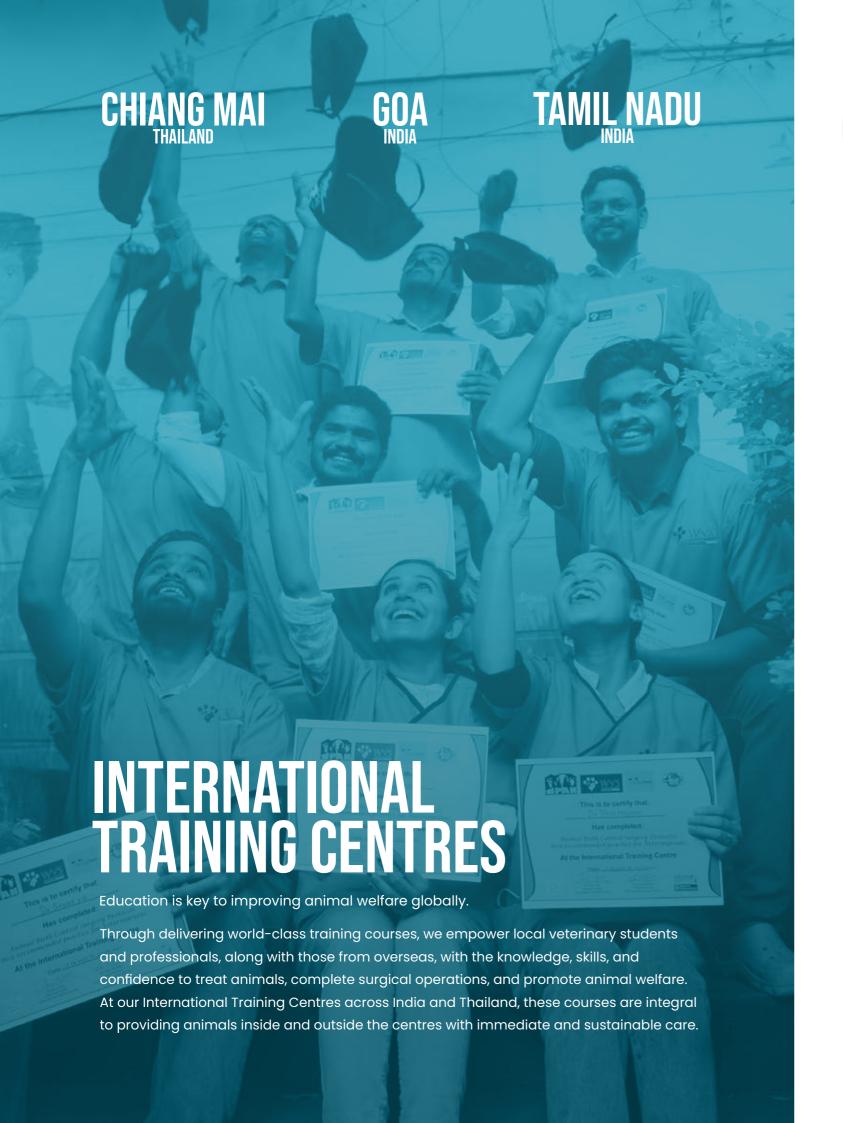
React. Respond. Resolve.

As the world continues to adapt to the pandemic, we adapt along with it. As an essential service, our doors remain open and teams stay vigilant to support the many animals who were stripped of their basic needs; food, shelter, and care. Even whilst facing an increased demand for veterinary care and treatment worldwide, we have refused to let COVID-19 prevent us from delivering our core mission: to provide every animal with the care it deserves.

Read on to hear about our triumphs in a challenging year...

19,908 ANIMALS STERILISED IN 2021 26,047 ANIMALS VACCINATED IN 2021 356 ANIMALS REHOMED IN 2021 151 CHARITIES HELPED IN 2021













The impact of COVID-19

Due to the ongoing pandemic and travel restrictions, international participants were unable to attend our courses in 2021. However, courses for domestic participants went ahead when permitted, with some participants completing the theoretical components online before attending our centres in small groups for hands-on tuition.

Participant Testimonials

Here is what some course participants at our International Training Centres had to say about their experience.



"Hands on training like this is almost impossible even in our college nowadays. This course helped me build confidence in

spaying/castration, suturing techniques, different knots and monitoring anesthesia"

Dr Reshma

"I needed a refresher course for surgical and anaesthetic principles and techniques after I took a long break from surgery, and this was just it."

Dr Nerissa

"Before this course I wasn't aware that our veterinary field has come so far. I learned how proper surgery is done. Now I am proud of what our field is going through."

Dr Himanshu





The future: 2022

After two years of preparations, we are opening a new centre in the Galápagos Islands in 2022. Working alongside the local governing bodies and other NGOs, the clinic will be a hub for expert care, to improve the health and welfare of the islands' cats and dogs, protect surrounding wildlife, and in the near future, offer training to veterinary students and professionals in South America.



Inspiring veterinary professionals everywhere.

In many countries, access to Continued Professional Development (CPD) opportunities is limited due to price or availability, making life-long-learning difficult for veterinary professionals. Many online resources are also made specifically for advanced clinical settings. We launched the WVS Academy to address this gap in educational opportunities and provide expert guidance to those working within animal welfare and One Health in resource-limited environments.

The online platform aims to create positive change by providing vets across the world with access to:





Video library



Quick reference





Case reports

Research spotlight

Learn online with us at wvsacademy.org



EDUCATION

It's not only veterinary professionals that support the health and wellbeing of animals. The animal's owners and caretakers play a huge role, as well as the general public. That's why we also run education programmes for those outside the veterinary profession.

INDIA:

Educating equine caretakers

In India, we educate caretakers and farriers on good husbandry practices for working equines. Through running workshops, we offer hands-on tuition in essential hoof care, including trimming and shoe placement, as well as harness safety and wound management. In 2021, we ran nine of these specialist courses, reaching 23 veterinarians and non-veterinary assistants, and 89 farriers.

THAILAND:

Inspiring the next generation

In Thailand, we deliver children-friendly lessons to local primary schools on the topics of animal welfare and rabies prevention. In 2021, with many schools restricting on-site access due to the pandemic, our educators engaged with students through online platforms and videos, in addition to in-person visits. Throughout the year, 50 schools got involved, reaching 9,071 children.



MALAWI:

Treating injured African wildlife

Less than 70 kilometres from our clinic in Blantyre lies the Majete Wildlife Reserve. It's considered one of Africa's best conservation success stories after rampant poaching prior to 2003 wiped out many species. As part of its restoration, we are working closely with the park management to treat sick and injured wildlife, reintroduce and monitor key species, and care for the K9 anti-poaching unit. In 2021, we constructed the Majete Veterinary Care Unit, a field clinic within the reserve to store specialized equipment, treat animals on-site, and respond quicker to wildlife emergencies. Since opening, the expert team has treated more than 30 wild animals, including cheetahs, pangolins, a bushbaby, and zebras, as well as fitted 12 lions, 2 cheetahs, and one elephant with monitoring collars.



THAILAND:

Tackling Animal Overpopulation

Thailand is home to thousands of stray and free-roaming dogs and cats but there are few veterinary services available for unowned animals, as well as those from low-income households and rural areas. We travel far beyond our centre in Chiang Mai to operate temporary clinics and deliver free treatments, sterilisations, and vaccinations to improve the health and welfare of local animal populations in harder-to-reach places. In 2021, we ran six outreach projects across rural villages and larger temples to sterilise and vaccinate 4,187 dogs outside our clinic.

INDIA:

Caring for Working Horses

In southern India, tourist-riding horses provide many families with their livelihood. However, without access to proper veterinary care, the work takes a toll on the horse's welfare. The collapse of tourism due to the pandemic has only worsened the situation and forced many owners to leave their horses on the busy streets, unable to house or feed them. Through running a monthly clinic, our experts provided critical support to 1,510 working equines in 2021. Everything from treatment for road traffic injuries to plastic impaction colic, as well as routine and preventative care.



MOZAMBIQUE:

Helping Community's Donkeys

In East Africa, donkeys are used by the most vulnerable members of the rural communities, primarily to carry water, a minimum of 14 kilometres a day and over 100 litres at a time. A lack of veterinary services coupled with the on-going devastation of Cyclone Idai and the global pandemic has led to many working donkeys suffering from preventative injuries and illnesses. We set up a mobile clinic in 2019 with the local university to provide health checks and treatments to donkeys, cows, and sheep, as well as administer rabies vaccinations to working dogs. Even with the clinic on hold for five months due to COVID-19 restrictions, we reached 748 working equines and 29,148 cattle in 2021.



WVS TASKFORCE

This specialized team was formed to not only support animals in need and individuals working in areas lacking veterinary care, but entire organisations – local governments, veterinary colleges, and fellow charities working on the frontline of animal welfare.

Through running surgical training courses, leading mass vaccination campaigns, and promoting

One Health within the communities, our mission is to raise the standard of care animals receive in the area. In 2021, our WVS Taskforce completed life-changing missions across

Nepal, India, and Egypt.

50 VETS TRAINED IN 2021 33 VET ASSISTANTS TRAINED

870 DOGS STERILISED

8 PROJECTS

In the Nepalese provinces of Sindhuli and
Lumbin, we teamed up with Tribhuvan University
and Sindhuli Community Technical Institute,
as well as the Kathmandu Animal Treatment Centre, to guide
participants through training in best practices. Everything
from spay-neuter surgeries to rabies sampling protocol
to assisting advanced surgeries, including a hernia
reduction and repair.

In the city of Giza, close to the Great Pyramids, we collaborated with local charity AMC-SNAP to share our knowledge on best practices in animal welfare and humane birth control, as well as run a catch-vaccinate-release anti-rabies vaccination campaign and protect local communities from deadly disease.

Across the Maharashtra and Andhra Pradesh states, we worked with local charities Plant and Animal Welfare Society (PAWS) and Help for Animals Society, as well as governing bodies, to transform their veterinary clinics through conducting surgical training and establishing robust protocols and systems to ensure high levels of patient care.



ALL-TERRAIN CLINIC

Delivering world-class training where no one else can.

Our All-Terrain Clinic is an entirely self-sufficient, high-tech, mobile veterinary hospital. It is equipped with everything from a digital x-ray to an operating theatre – and it's how we deliver world-class surgical training courses and humane dog population control beyond our clinics in India.

In 2021, our All-Terrain Clinic and its expert team remained stationary in the state of Goa for the first half of the year, carrying out spay and neuter surgeries and supporting a study that aims to better understand the local free-roaming dog populations, as well as the health and welfare issues they face due to overpopulation.

Over India's monsoon summer, we braved the extremely heavy rainfall to train veterinarians in harder-to-reach places. We travelled over 2,500 kilometres and trained vets and veterinary assistants in best animal birth control practices. Through lectures, demonstrations, and hands-on learning, participants gained skills and confidence in surgery, and spayed or neutered hundreds of dogs.







Learn more about the clinic here: go.wvs.org.uk/all-terrain-clinic







CASE STUDIES

Every day, all over the world, animals are facing unbelievable hardship and lacking even the most basic level of care. Through providing expert veterinary care - everything from vaccinations to sterilisations to treatments for injuries and illnesses - we can improve the health and welfare of animals like Leah, Osman, Sam, and Brihati, and consequently support the communities in which they live.

Leah, a sick abandoned pet in Thailand

The tiny Spitz-Terrier mix was found wandering the streets of Chiang Mai, lonely and sick. Given Leah's diminutive size and lack of street-smarts, she would not have survived long. Thankfully, Leah was rescued and brought to our vets who saw she had obvious skin problems, was underweight, and struggling with a serious urinary problem. But that wasn't all. The team soon discovered that the source of Leah's suffering was the largest bladder stones they had ever seen in a small dog. They managed to surgically remove all five stones, which had filled up about 90% of Leah's bladder, and ensured she made a full recovery. Soon afterward, Leah was adopted and given the loving home she deserves.

CASE STUDIES CONTINUED









Sam, Al, and Matt, sick cheetahs in a wildlife reserve

Our vets were called to help three male cheetahs who had fallen ill in Malawi's Majete Wildlife Reserve. The three brothers, Sam, Al, and Matt had been released into the park earlier in the year and were fitted with GPS and telemetry collars, so they could be monitored closely. All three cheetahs appeared weak, but Sam was noticeably worse and unsteady on his feet. They were darted and relocated to a boma, an outside enclosure, and treated for severe dehydration, hypoglycemia, and

possible infection. Al and Matt responded well to treatment and were quick to recover. However, Sam was too sick and did not come around from the sedation. He sadly passed away after 12 hours in care, with the postmortem result still pending, but a possible cause of death was likely a severe viral or bacterial infection. Al and Matt had in all likelihood stopped hunting food and searching for water as to not leave their sick sibling behind. A decision that almost cost them their lives as well. Without close collaboration between the vets and wildlife monitoring staff, all three cheetahs may have been lost.

Osman, a semi-wild cat in Malawi

In the Majete Wildlife Reserve, we set traps for domestic cats to sterilise and rehome them, and protect local wildlife. During Osman's health check-up in the clinic, the vets noticed he was having trouble breathing. They took a series of x-rays to investigate further and were shocked to find a hole in the diaphragm and most of his chest cavity filled with his abdominal organs, causing debilitating symptoms. Diaphragmatic hernias are often the result of blunt trauma and can only be treated with surgical repair, so although the risk of Osman not surviving the anaesthetic was high, the decision was made to intervene to surgically fix the defect and allow Osman to breathe easily again. In surgery, the team worked together to breathe for Osman, monitor his vitals, and repair the large defect which was causing his liver and most of his small intestine to move into his thorax. Following the surgery, Osman recovered quickly and was adopted by a local family, gifting the domestic cat a safer and brighter future.

Brihati, an injured horse in India

Brihati, a tourist-riding horse in southern India, was brought to our mobile equine clinic by his concerned owner. The horse was in noticeable discomfort, unable to place pressure on his hooves. Our vets found a nail piercing the sole of his foot as the result of badly fitted shoes. Thankfully, the team was able to trim Brihati's hooves and provide him with pain relief and daily hoof baths, allowing the injury to heal. They provided the owner with guidance on hoof care and wound management to help protect Brihati in the future. We work in partnership with WTG e.V. to help horses like Brihati.





READ MORE CASE STUDIES WVS.ORG.UK/NEWS





Sending veterinary aid parcels all over the world is at the core of what we do. Our offer of support is open to non-profit organisations working to care for animals, wherever they are in the world. All species, any condition, and every location - if we can help, we will.

Packed with everything from tick and flea treatments to anti-inflammatory pain relief medications, these supplies are vital to many veterinary teams around the world. In 2021, working with our global network of animal welfare charities, we shipped 256 aid parcels to over 150 different charities across 41 countries and territories, totalling £178,893 worth of critical veterinary supplies.



COUNTRIES **SENT TO**

PARCELS DELIVERED

IN 2021

FIND OUT ABOUT DONATING MEDICATION AT GO.WVS.ORG.UK/MEDICATION

Antiparasitic medications are used extensively by veterinary professionals around the world. By shipping them to animal welfare charities in short supply, we can help protect animals from preventable suffering, including parasites and skin conditions, no matter where they are found.















Rwanda Animal Welfare Organization (RAWO) using donated anti-parasitic treatments to protect dogs in the mountainous regions of Rwanda. (1)

Twitchy Noses utilising the medications in Bulgaria to safeguard stray and community dogs against external parasites. (2) Dharamsala Animal Rescue using the donated goods to support the health and welfare of resident dogs in the animal shelter in India. (3)

The Voice for the Forgotten Dogs treating free-roaming dogs on the island of Sal, Cape Verde with flea and tick solution. (4)



Wherever we operate in the world, we are joined by awesome volunteers – everyone from veterinary students to veterinary nurses to people with a passion for animal welfare. Volunteers like Dr Jack Phelan, a veterinarian from Ireland, who generously travelled to Malawi to lend a hand with our team for five weeks.

"No two days were the same! On a given day I may have been asked to go and assist with anaesthetising cheetahs at Majete Wildlife Reserve, or to head up towards Lake Malawi to set up for a weekend neutering/outreach clinic.

"I particularly enjoyed living with and helping my two Malawian vet colleagues who had just graduated while I was there, Matthew and Timothy. We would discuss cases, and I would help them surgically on the days where it was less busy. The progress they made over my five weeks in Malawi was fantastic to see, they were growing in confidence day by day.

"The surgical and medical cases were varied and interesting. As well as a high volume of neutering procedures, I also got to perform multiple amputations and femoral head and neck ostectomies amongst other things. The

"If you are considering volunteering abroad, there is no time like the present!"

facilities at the BSPCA are fantastic and a great asset to the animals of Blantyre. There is digital x-ray, a haematology machine, and gas anaesthesia available when needed.

"I did feel very privileged landing back into pre-Christmas Europe after my time spent in Malawi. Life is incredibly difficult for people there, but they have such a positive and warm attitude that we should learn so much from. Their love for animals is clear to see, and will often go as far as feeding their own pets to the detriment of their own nutrition.







"Malawians, their animals and their wildlife, are on the front-line of climate change despite having hardly contributed to it at all, they deserve our support in every way in the years ahead to help develop a sustainable climate friendly economy, ensure food security and protect their incredible wildlife.

"If you are considering volunteering abroad, there is no time like the present!"



VOLUNTEER WITH US

Mix compassion with adventure! Travel the world, experience new cultures, and help us treat animals who may never have received veterinary care. You can be part of our life-saving work all over the world – everywhere

from wildlife reserves in Malawi to animal hospitals in the Caribbean to veterinary clinics in the Galápagos Islands.

Learn more about volunteering abroad and apply today at wvs.org.uk/volunteer.

Got questions about volunteering abroad? How do I apply? It is for me? Is it even possible with COVID-19 becoming a part of our daily lives? We have got the answers to your most frequently asked questions on our website.



SUPPORTER SPOTLIGHT

It's thanks to the support of people from far and wide that we're able to send critical supplies, deliver expert training, and provide free veterinary care to animals all over the world. Here are just some of our amazing supporters who lent a hand in 2021.

Veterinary student Joanna Wilson ran the Edinburgh Half Marathon (1)

Dr Jose Mesa participated in the London Marathon (2)

Author Dr Roger Blowey donated his textbooks (3)

Dr John and Margaret Cooper donated field microscopes (4)

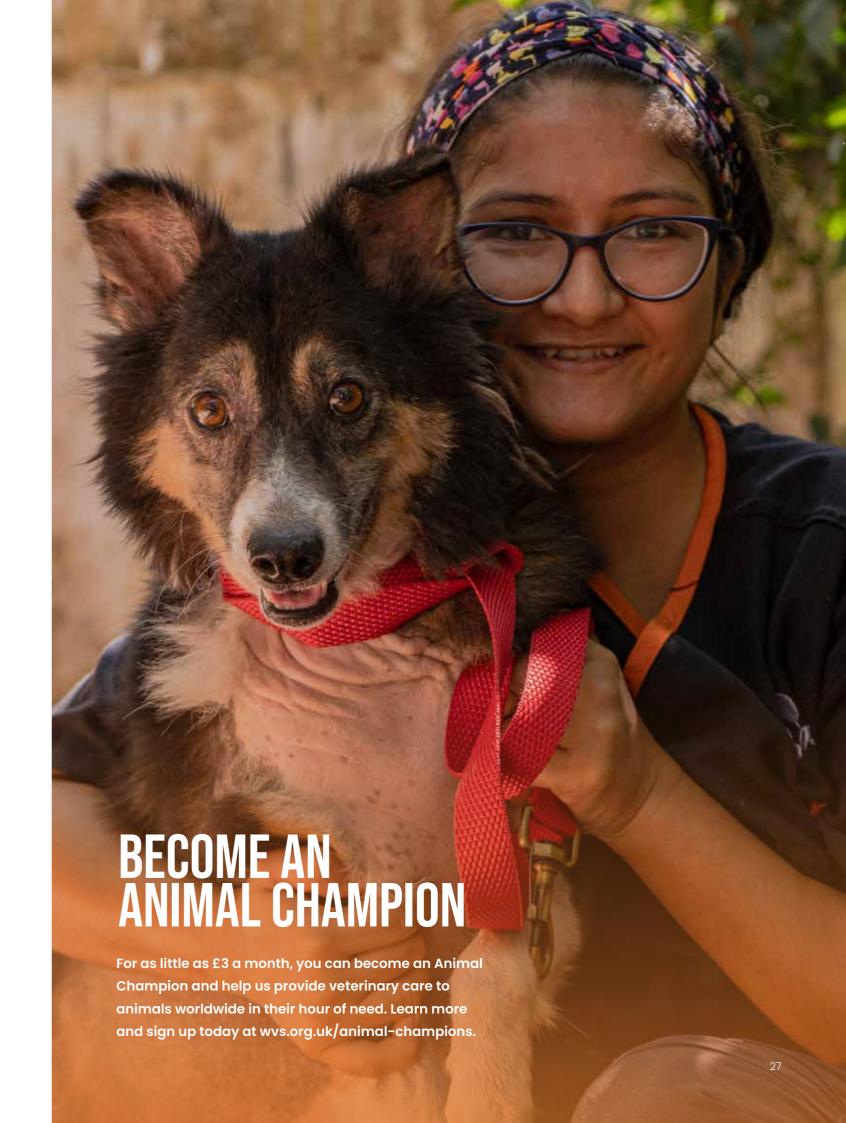
Supporter Sarah skydived from a plane at 15,000ft (5)











How the WVS Data Collection App was used in 2021:



 Assessed surgical course participants knowledge before and after training courses to raise standard of animal care where it's needed most



 Collected spay-neuter surgical records to better understand and manage local free-roaming and owned animal populations



 Guided teams through large scale vaccination campaigns in real-time to reach the percentage of animals needed to create herd immunity

TECHNOLOGY & RESEARCH

We developed the WVS Data Collection App in response to the challenges encountered during large-scale canine vaccination campaigns - it has evolved into so much more.

From conducting animal population surveys to collecting surgical records, the app is a powerful tool for our teams and other organisations to deliver animal welfare and One Health initiatives efficiently and cost-effectively. The technology allows project

managers to monitor and manage field teams in real-time, alongside providing a direct connection between headquarters and our projects around the world for reporting and operational support. Every year, the system continues to evolve to meet the needs of field projects and overcome challenges in the geographic management of staff and the capture of data to monitor the output and impact of interventions.

In 2021, real-time reporting, data-driven approach using the WVS Data Collection App was discussed in PNAS⁽¹⁾, one of the world's top multidisciplinary science journals, and a study led by the Centers for Disease Control and Prevention in Haiti⁽²⁾ as the most effective way to eliminate canine rabies.

Using data-driven approaches to improve delivery of animal health care interventions for public health

Delivery of large-scale mass dog vaccination campaigns remains a challenge in many rabies-endemic countries. This article explores the efficiency and cost effectiveness of campaigns, and discusses a template for success and sustainability in the future.

PNAS February go.wvs.o

February 2021 go.wvs.org.uk/pnas2021 Every dog has its data: Evaluation of a technology-aided canine rabies vaccination campaign to implement a microplanning approach

Haiti conducts annual canine mass vaccination campaigns, but still has the most human deaths in the Latin American and Caribbean region. This article evaluates its current methods to determine if using smartphones for data reporting and geo-communication could increase vaccination coverage and success rate.



frontiers November 2021
in Public Health go.wvs.org.uk/frontiers2021



An important breakthrough in India

After eight years of working alongside the Government of Goa to introduce an effective rabies control strategy, Goa has become the first Indian state in history to be declared a Rabies Controlled Area. The announcement was made in 2021 after not one person died of rabies across the state for more than three years.

This was made possible by:

VACCINATING

100,000

DOGS EVERY YEAR

EDUCATING
150,000
CHILDREN EVERY YEAR

RUNNING A RABIES RESPONSE TEAM 24/7

Learn more about Mission Rabies' work at missionrabies.com



INTERNATIONAL RABIES TASKFORCE



Vaccinating pets against rabies to protect wild dogs

The International Rabies Taskforce (IRT)

is a group of global experts dedicated to

the elimination of canine rabies. Within the

and WVS, work together to empower those

in rabies hotspots with practical expertise,

group, organisations including Mission Rabies



After an entire pack of African wild dogs was wiped out in Zambia's South Kafue National Park due to an outbreak of rabies, the IRT were called in to help. They vaccinated almost 4,000 domesticated dogs - 73% of the local population - to reduce the risk of transmission from domestic animals to the humans they live alongside and vulnerable wildlife.

FINANCES

In 2021 Worldwide Veterinary Service spent £1,814,910 treating animals in need and increasing the standard of veterinary care globally. This was a decrease of 6% from 2020 and demonstrates the hard work of our vets and wider team through the bigger impact we achieved, treating over 46,000 animals and training 802 vets.

WVS income increased by 75% in 2021 to £2,614,743, despite a challenging year for overseas travel. This increase came from fundraising for new ventures to improve animal welfare around the world, including a new centre in the Galápagos Islands, opening in 2022. We are grateful to everyone that has supported our work in 2021, including our incredible grant funders. We were especially grateful to receive a number of generous legacy gifts, which will help to provide a better future for animals around the world.

2021 | 65% Grants 30% Legacies 4% Voluntary Income 1% Shop 0% Trips and Courses

2021 EXPENDITURE

49% ITCs

21% Core Costs

13% Vet Care Projects

6% Training and Education

5% Dog Pop (Goa)

2% Fundraising and Market

2% Truck Operations

1% Working Equine

1% Parc



















IDEXX Foundation

Thank you to everyone for your kindness and generosity throughout 2021. This year, we couldn't be more grateful for what we've achieved together. Every year, we are improving the standard of care animals receive and making a lasting change to animal welfare worldwide.

We are proud to have made a difference in 2021 with our partners, as well as all our amazing supporters, individuals, and organisations who make our life-saving work possible.

