

brav⁺ MEDICS

Annual Report 2022

Bravo Medics is a registered charity in England & Wales (1189780).



Chairman's Welcome



It is once again with the greatest of pleasure that I welcome you to Bravo Medics' annual report, this covers our activities in 2022, our third year of operation.

Last year I talked about the three phases that Bravo Medics had moved, and was moving, through: **foundation** in year one, **consolidation** in the second year and moving into **expansion** in this 2022 report year.

I'm delighted to report that this expansion went very well and has resulted in a reliable, high quality, clinical service for the community local to our area of operations. Over 2022 we expanded from two to four volunteer consultants responding clinically for us - enabling increased coverage, particularly out of hours. For this we were awarded the Bath and North East Somerset Community Awards, Volunteer Team of the Year award.

Over the year we have managed to replace the vast majority of our secondhand medical equipment, and after some significant donations and grants in the latter part of the year each responder will start 2023 with an almost complete set of critical care equipment - including monitor/defibrillators, intensive care transport ventilators, syringe drivers, high quality video laryngoscopes and bespoke primary airway bags, specifically designed for solo responding.

None of this would have been possible without generous donations; these have mostly been secured by our fundraiser, Amber, who has become firmly embedded within the Bravo Medics team. We also partnered with BrisDoc Healthcare Services, the local out of hours GP service, to organise Running for Life, a half marathon held in October in Clevedon. After its great success we are excited to announce an ongoing fundraising partnership between the two organisations.

2023 will see us develop our service further to benefit those who are critically injured and unwell in the local area. We will introduce potentially life saving blood products to our service, becoming the first traditional, responding from home, BASICS scheme to carry these. We also hope to fully replace the last few items of secondhand hand equipment we own and introduce ultrasound into our clinical armoury - which has a range of applications in both diagnostics and treatment in critical care.

Thank you for your time reading the report and your ongoing support of our charity.

Andrew Heavyside
Chair of Trustees

Contents

Chairman's Welcome	3
Mission Map	8
Clinical Lead Report	10
Objectives & Activities	11
What We Offer Patients	12
Structure, Governance & Management	14
Fundraising	16
Community Fundraising	18
Financial Review	20
Accounts	22
Support to Ukraine	32

Our Mission

To serve the local community and support the local ambulance service in caring for the sickest patients, wherever they become ill or injured.

We do this by providing volunteer doctors, highly trained in critical care and equipped with specialist medical equipment - 'bringing the Emergency Department to their side.'

Bravo Medics

Report of the Trustees for the year ended 31 December 2022

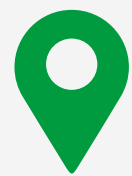
The trustees of Bravo Medics present the annual report, including accounts, of the charity's activities between 1 January and 31 December 2022. They additionally confirm that they comply with the Charities Act 1993, as amended by the Charities act 2006 and the Charities SORP applicable to charities preparing their accounts in accordance with the Financial Reporting Standard for Smaller Entities.

Charity name	Bravo Medics
Charity registration number	1189780 (Charity Commission of England & Wales)
Registered address	Garden Cottage Long Lane Wroughton, Bristol BS40 5SA
Board of trustees	Dr Andrew Heavyside (Chair of Trustees) Dr James Tooley Mr Blair Sasada Dr Frederick Stourton
Clinical Lead	Dr James Tooley
Responding Doctors	Dr Andrew Heavyside Dr James Tooley Dr Glyn Thomas Dr Mark Tehan
Accounts reviewed by	Mrs Jackie Taylor
Registered bank	HSBC 10 Colliers Walk Nailsea, Avon BS48 1RL

BRAVO MEDICS 2022 IMPACT

Saving lives

Without our intervention, an estimated one in every four people we treated would have suffered life-changing injuries or died.



Local demand

Bristol City

+48%

South Gloucestershire

+36%

increase since 2021

North Somerset

+29%

25 - 49 years old

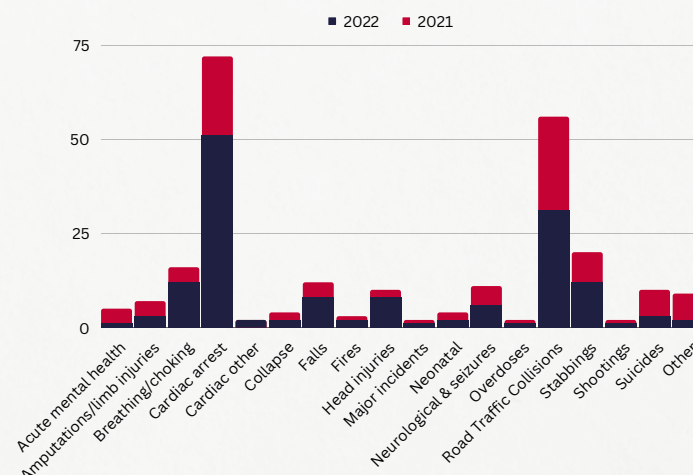
Is the age group we most frequently attend to



more responses

than in 2021. We responded to **164** emergencies between four Consultants

Conditions and emergencies



Volunteer Team of the Year

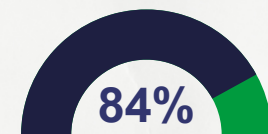
The community nominated us and we won the Bath and North East Somerset Volunteer Team of the Year Award. A tree was planted to celebrate and provides a permanent reminder of our contribution.



1 in 3 responses were to a
cardiac arrest

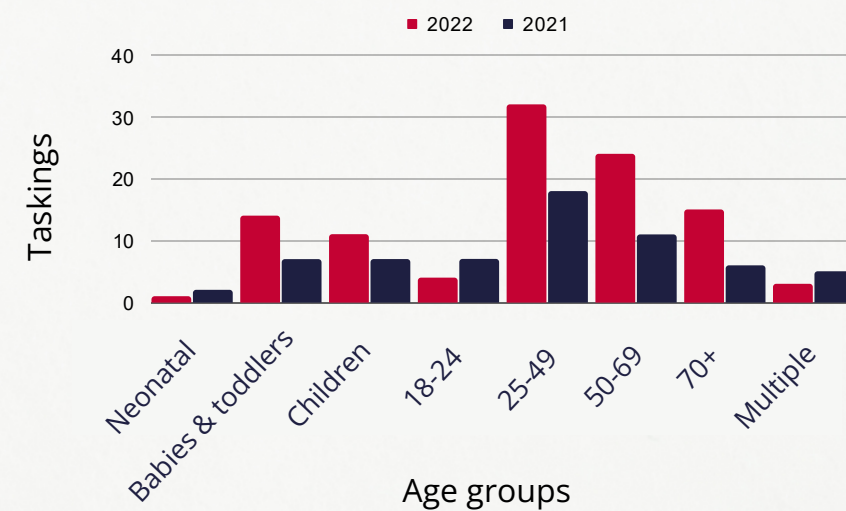


more stabbings
and violent
incidents



of donations were
spent on
responding

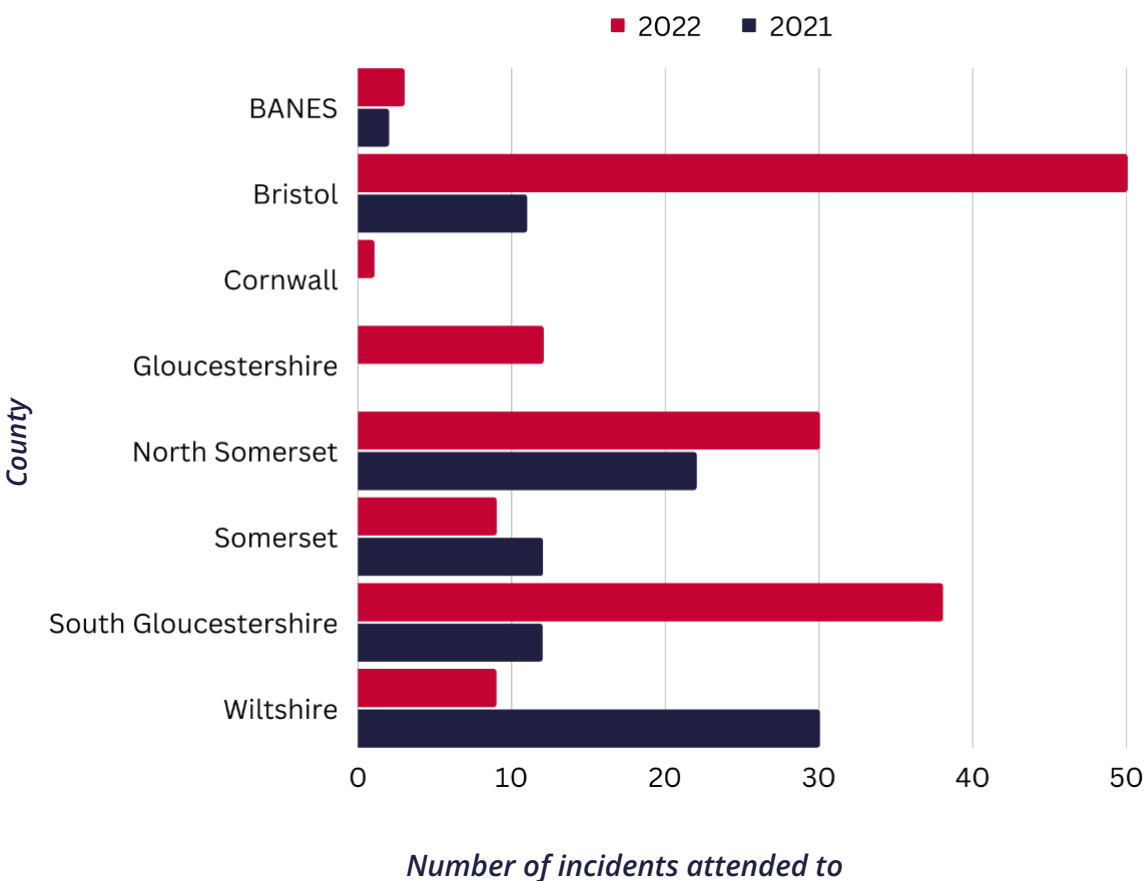
Patient ages by year



Mission Map

Bravo (Bristol and Avon Volunteer) Medics is an accredited British Association Immediate Care (BASICS) scheme, and has been supporting volunteer responding since January 2020. Over our first 3 years of operating, we responded to 334 requests for critical care.

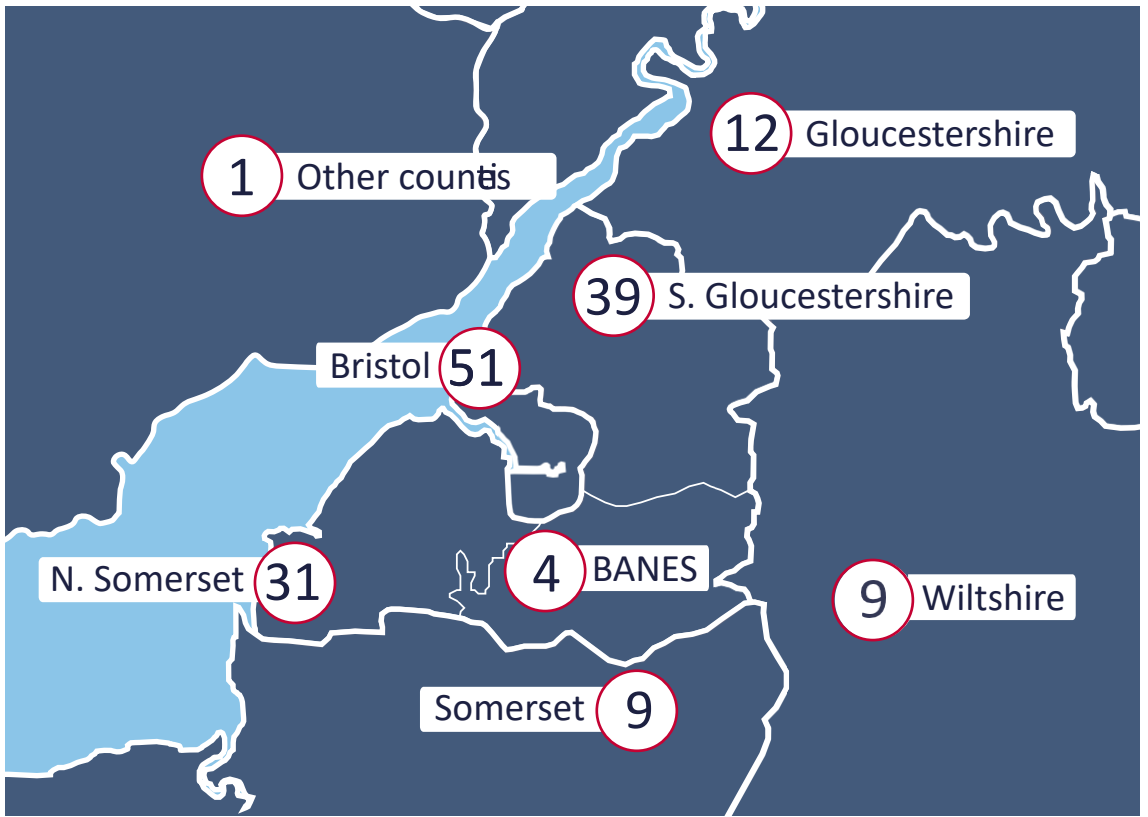
Bravo Medic Critical Care Responses 2022 vs 2021



2021



2022





Clinical Lead's Report

2022 saw Dr Glyn Thomas and Dr Mark Tehan join the team as new consultant medical responders.

With more responders, we were able to increase our availability around the clock - particularly overnight, when other critical care resources are not available within our patch.

This led to a significant increase in our activity and resulted in our busiest year so far.

This increase in responder numbers not only increased our availability but also led to increased peer support by allowing the option of being able to join each other on scene as a "critical care team" at complex taskings or simply offering peer support over the phone.

In a portion of cases we bring benefit to patients by arriving as the first emergency services resource on scene, which we can sometimes do when incidents are nearby as we respond directly from our homes with emergency equipment and drugs carried in our

own cars. But our greatest value is related to our sub-speciality and pre-hospital emergency medicine training (for example undertaking operations at the roadside, rather than conveying to a hospital to have these procedures undertaken with delay.)

Another advantage of our new members is the wide background of their expertise, as we now have experts in Paediatrics, Anaesthesia, Cardiology and Emergency Medicine within the team. This has been invaluable for both our training as well as operational response.

We are very excited about our plans for 2023, which include a further medical responder and the introduction of Lyoplas which is a blood product that is recognised to save lives on scene.

Objectives & Activities

Objectives

Bravo Medics' main objective is to save lives in the community by providing equipment, training and financial support to Critical Care doctors who respond to emergencies in their area at the request of the local ambulance service.

In our second year we have increased our resilience as a charity. We have diversified our funding streams with help from external organisations. We have started to build links among our local community. We have replaced loaned items with equipment that we now own outright, and have secured capital funding for new state-of-the-art patient monitors. We have undertaken more missions, becoming a reliable source of support for the Ambulance service in our area.

Bravo Medics is built on the ethos of providing a life-saving service to the local communities of its responders. The charity's activities are designed to further that goal. All decisions made by the trustees are done so with due regard to the Charity Commission's guidance on public benefit.

Achievements and performance

Ultimately, our performance is measured by the number of people we treat and the lives we save. Every incident to which we are dispatched is critical and the people involved are at an immediate risk of losing their lives. We deliver gold standard critical care. In 2019, the BMJ stated that pre-hospital care provided by critical care teams was associated with an increased chance of survival at 30 days when compared with care provided by ambulance clinicians (Maddock et al, 2020).

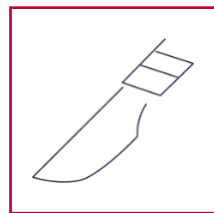
Our work is also cost effective: We can provide hospital level critical care, potentially including anaesthesia and emergency surgery, to a patient for at a similar cost to a GP appointment to the NHS.

Our support after treatment is not only informative but can aid people's recovery. Providing information - in some cases when people have no memory - can help people understand what happened so they can focus on their recovery.

References

Maddock A, Corfield AR, Donald MJ, et al Prehospital critical care is associated with increased survival in adult trauma patients in Scotland Emergency Medicine Journal 2020;37:141-145.

What We Offer Patients



Life Saving Surgical Procedures including Open Heart Surgery

A very small number of our patients have conditions that require immediate intervention with a surgical procedure on-scene to save their life. All of our clinicians can carry out procedures to relieve a pneumothorax (collapsed lung) or place a tracheostomy to assist with breathing. Our volunteer doctors are also trained to perform open heart surgery, in the event of a patient's heart having stopped beating after a penetrating injury to the chest, including stab wounds. Our team practice these skills regularly so they can be reliably performed in an emergency.



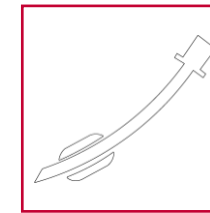
Sedation

Sometimes it is necessary to perform unpleasant procedures that cannot, or should not, wait until the patient gets to hospital but that will cause them significant pain, such as straightening and splinting badly broken bones or freeing patients that are trapped in car wreckage. Bravo Medics are able to administer strong sedative medications which reduce the pain and distress associated with these procedures and ensure their safety with our high-tech monitors.



Consultant Level Decision Making

Bravo Medics volunteer clinicians bring significant experience to the roadside, gained through many years of training and working both in hospital and within the pre-hospital environment. This allows them to work outside of generic guidelines in order to ensure that every patient receives care tailor made to their specific circumstances. We learn from every case we attend as they are reviewed as part of our clinical governance and case review process, which ensures that we deliver safe and consistent care to every patient.



Pre-Hospital Emergency Anaesthesia

Often the very sickest patients need to be put into a medically induced coma so that we can take over their airway and breathing. This is done for many reasons, including allowing us to protect their lungs from aspiration of vomit, ensure their blood oxygen is at appropriate levels and reduce ongoing damage to brain tissue after traumatic injury or a brain haemorrhage.

Traditionally this procedure was only performed by anaesthetists and intensive care doctors in hospital. Every doctor volunteering for Bravo Medics is trained to be able to administer an anaesthetic on the roadside or at a patient's home, optimising their care and reducing the risks during transfer to hospital.



Advanced Pain Relief

One area in which the ambulance service can find themselves limited is in the provision of pain relief to patients, particularly children. Bravo Medics clinicians can support crews on scene and increase patient comfort by administering stronger pain relief. This can include using ultrasound to numb the nerves supplying an injured body part. This is known as regional anaesthesia and is usually performed in the operating theatre by highly trained anaesthetists.



Drugs & Treatments Normally Only Available in Hospital

We carry medications that are not available on standard ambulances, these are used to treat the following conditions:

- Seizures resistant to initial treatment
- Eclampsia (seizures which can occur in late pregnancy)
- Asthma
- Severe sepsis
- Life threatening cardiac arrhythmias (the electrical activity driving the heart)
- Cardiac arrest

Structure, Governance & Management

Governing document

Bravo Medics is a Charitable Incorporated Organisation (CIO), registered with the Charity Commission under number 1189780. The first meeting of the trustees was on 12 February 2020. The CIO is governed by a constitution dated 12 February 2020.

Organisational structure

The overall responsibility for the control and management of the charity lies with the trustees in accordance with the duties of trustees as laid out below. The trustees give their time freely and receive no remuneration or other financial benefits. The trustees meet at least 3 times a year, either virtually or in person.

Bravo Medics responds on behalf of South West Ambulance Service Trust, and under the umbrella of BASICS South West, and complies with the organisational requirements of both organisations.

Oversight of clinical activities is delegated to the Clinical Lead, who is a member of the board of trustees. For the recorded period, this role was filled by Dr James

Tooley. Review of clinical activities is performed on a regular basis in conjunction with other BASICS schemes in the BASICS South West umbrella in order to ensure high quality care. Appointment of responding doctors is performed by the clinical lead, subject to approval by BASICS South West.

Appointment of new trustees

Trustees are selected and appointed by the current trustees. Every trustee must be appointed for a term of three years by a resolution passed at a properly convened meeting of the charity trustees. In selecting individuals for appointment as charity trustees, the charity trustees must have regard to the skills, knowledge and experience needed for the effective administration of the CIO.

The holder of the Clinical Lead role is also invited to become a trustee. The Clinical Lead must be a full clinical member of Bravo Medics and is usually at consultant level (or equivalent post CCT) level. The Clinical Lead shall be appointed by the charity trustees following advice from the clinical members of the organisation and the outgoing Clinical Lead as to who, in their considered opinion, would be best suited to fulfil the position.



Duties of Trustees

The Trustees shall perform their duties in accordance with the constitution of the CIO and the law, in particular the preparation of an annual report and financial statements.

The Charity trustees shall manage the affairs of the CIO and may for that purpose exercise all the powers of the CIO. It is the duty of each Charity trustee:

- To exercise his or her powers and to perform his or her functions in his or her capacity as a trustee of the CIO in the way he or she decides in good faith would be most likely to further the purposes of the CIO.
- To exercise, in the performance of those functions, such care and skill as is reasonable in the circumstances having regard in particular to:
 - any special knowledge or experience that he or she has or holds himself or herself out as having; and,
 - if he or she acts as a Charity trustee of the CIO in the course of a business or profession, to any special knowledge or experience that it is reasonable to expect of a person acting in the course of that kind of business or profession.

Fundraising

2022 was an exciting year for Bravo Medics' growth. We are very grateful to have received support from a number of individuals and organisations. The amount of funds we raise has a direct impact on the number of responses we can deliver to critically ill and injured patients.

Donations

In 2022 we received several donations from individuals towards our work, including a personal gift of £2,000. We would like to thank each and every donor for their generosity.

We receive no Government funding and continue to rely on donations to fund our life-saving work so are very appreciative of any gift, no matter the size.

Events and challenges

A number of people embarked on challenges to raise funds for Bravo Medics, some in memory of loved ones and some to celebrate the work we do. We extend our most sincere thanks to everybody who supported our work in this way.

We would also like to thank BrisDoc Healthcare Services and their incredible staff who organised Running for Life, a family running event which took place in October and raised over £7000 towards our work.

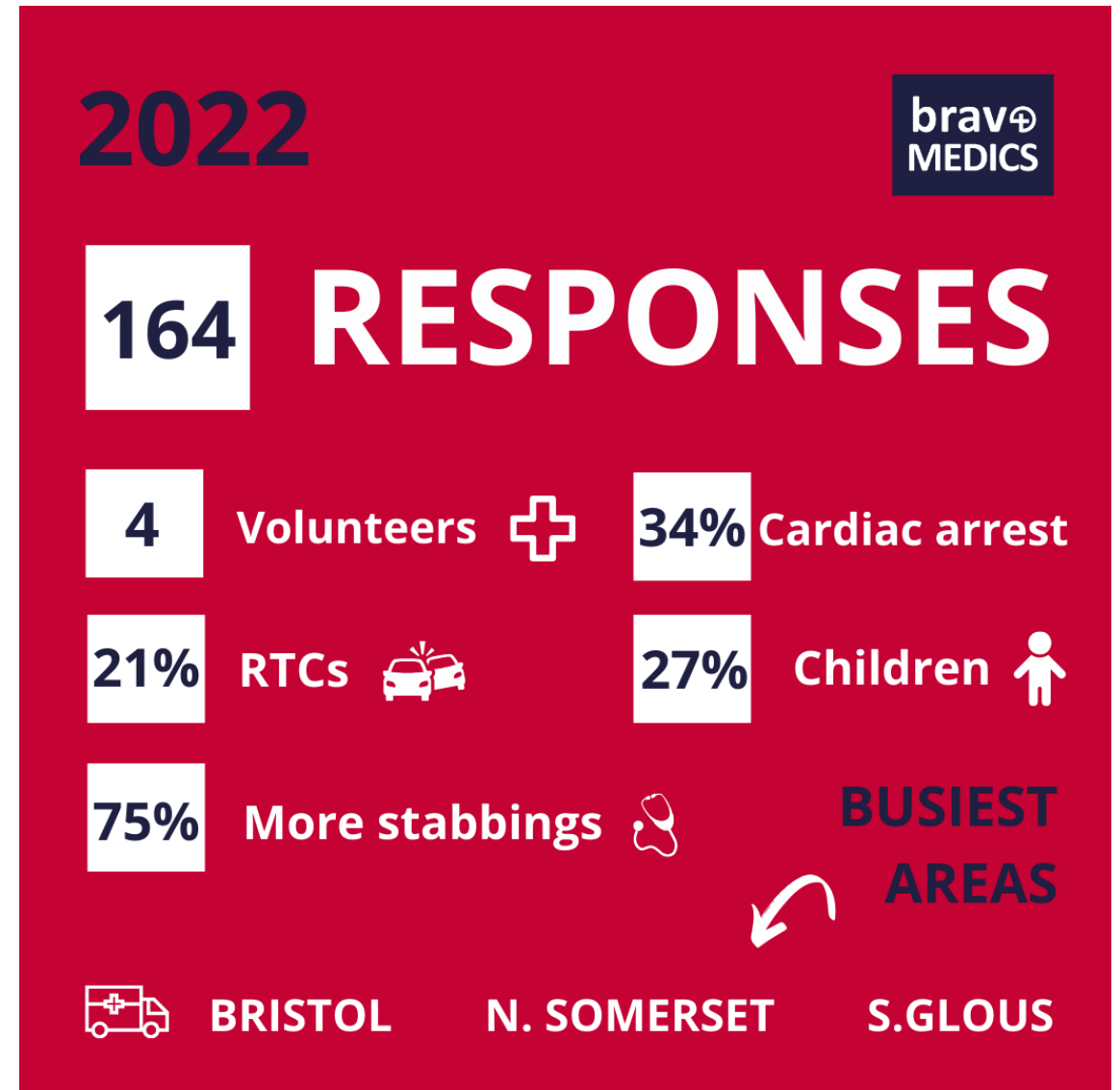
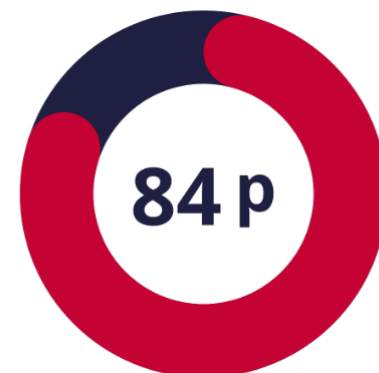
Trusts and foundations

We received a variety of grants from trusts and foundations towards our work and would like to thank everyone who awarded Bravo Medics a grant.

We would like to especially thank the John James Bristol Foundation and Wiltshire Community Foundation who awarded us substantial grants in 2022.

Trusts and foundations

84% of every £1 donated was spent on supporting people in the community.



Fundraising Regulator

Bravo Medics is registered with the Fundraising Regulator. We are pleased to report that the charity received no complaints in 2022.

Looking forward

Bravo Medics will be reviewing its fundraising strategy whilst developing income streams to ensure a balanced, sustainable income portfolio. The charity welcomes support from the community and potential partnership approaches.

Community Fundraising

Running for Life

A huge thank you to BrisDoc Healthcare Services and their incredible staff who organised Running for Life, a family running event which took place in October and raised over £7,000 towards our work. Particular mention must go to Louise Whyte for her sterling work on behalf of BrisDoc. The

funds BrisDoc have raised have been crucial in supporting the equipment and running costs of our charity. As a charity that uses volunteer responders, equipment and insurance costs form the bulk of our expenditure.



“Our community fundraisers’ mammoth efforts have provided essential funds that have helped treat patients.”

Dr Andrew Heavyside, Chairman

Financial Review

The charity's financial aims over the third year of operation were as follows:

- To build on our initial work over 2021 to diversify and increase our fundraising. This bore some significant fruit with our grant funding increasing beyond that in 2021 and some major grants on the horizon heading into 2023
- Increase capital expenditure to build our equipment stocks and to replace older and second hand equipment. The purchase of new Zoll X-series monitors and a Z-Vent ventilator, as well as syringe drivers and other pieces of equipment is testament to the generosity of our supporters, meaning our responders are able to deliver even higher quality critical care at the scene.

At the end of the period, the Charity held £21,107, split between restricted and unrestricted funds. The majority of this has already been allocated to spending on other projects or expenses in 2023.

Principal funding sources

The charity's main source of income was grant applications, raising £37,544 over the period. The majority of this was restricted to particular spending or capital projects. £8,071.10 was raised by volunteers who completed events to fundraise for the charity. Other income came through personal donations (£2,362.33) and online fundraising via various means.

Significant financial events

No significant financial events occurred over the accounting period.

Reserves policy

The charity held £12,849 of unrestricted funds at the end of the period. Given the period of growth of the charity, and the potential for unexpected events, a reserve of £3,000 was created at year-end 2022 which will hopefully be expanded into 2023.

Investment policy and objectives

The charity has no long term investments at present.

Liabilities

As of the 31st of December 2022, the charity had no outstanding liabilities. Orders had been made for further capital purchases to be delivered in the new year, including Zoll Z-vent ventilators.

Plans for future periods

There are no current concerns over the charity's ability to operate as a going concern. The financial aims for the next period are as follows:

- To significantly increase our charitable income through grants and other means
- Capital purchases including equipping further responders
- To fund a feasibility trial for the carriage of Lyophilised blood products (LyoPlas) by our responders. Preliminary allocation of funding for this has been achieved and we aim to acquire the necessary equipment next year.

Preparation of accounts

As a CIO with an income of under £250,000, the accounts were prepared on a receipts and payments basis in accordance with the Charities SORP. These were then checked by Mrs Jackie Taylor

Exemptions from disclosure

The Charity reports no exemptions from disclosure.

Funds held as custodian trustee on behalf of others.

The Charity does not act as a custodian trustee, nor do any of its individual trustees.



Bravo Medics	1189780
--------------	---------

Receipts and payments accounts

CC16a

For the period from	1/1/2022	To	31/12/2022
---------------------	----------	----	------------

Section A Receipts and payments

	Unrestricted funds to the nearest £	Restricted funds to the nearest £	Endowment funds to the nearest £	Total funds to the nearest £	Last year to the nearest £
A1 Receipts					
Fundraising - AmazonSmile	56	-	-	56	53
Fundraising - Easyfundraising	421	-	-	421	216
Fundraising - events	8,071	-	-	8,071	8,345
Other Donations	2,362	-	-	2,362	455
Grants - Restricted		33,044	-	33,044	30,350
Grants - Unrestricted	4,500	-	-	4,500	2,868
	-	-	-	-	-
	-	-	-	-	-
Sub total (Gross income for AR)	15,410	33,044	-	48,454	42,287
A2 Asset and investment sales, (see table).					
	-	-	-	-	-
	-	-	-	-	-
Sub total	-	-	-	-	-
Total receipts	15,410	33,044	-	48,454	42,287
A3 Payments					
Core - Accounting and Finance	65	-	-	65	-
Core - Fundraising	7,317	1,828	-	9,145	-
Core - Publicity	172	278	-	450	-
			-	-	-

Operational - Critical Care Medications & Mangement	-	463	-	463	-
Operational - Equipment purchase	19	41,769	-	41,788	-
Operational - Equipment running costs & Maintenance	7	229	-	236	-
Operational - Insurance	-	2,839	-	2,839	-
Operational - Professional development	145	345		490	
Operational - Uniforms and PPE	476	181		657	
Operational - Vehicle fitting and maintenance	-	5,571		5,571	
	-	-	-	-	-
Sub total	8,200	53,502	-	61,703	-
A4 Asset and investment purchases, (see table)					
	-	-	-	-	
	-	-	-	-	
Sub total	-	-	-	-	
Total payments	8,200	53,502	-	61,703	-
Net of receipts/(payments)	7,210	- 20,458	-	- 13,248	42,287
A5 Transfers between funds	20	- 20	-	-	-
A6 Cash funds last year end	5,619	28,736	-	34,355	-
Cash funds this year end	12,849	8,258	-	21,107	42,287

Section B Statement of assets and liabilities at the end of the period

Categories	Details	Unrestricted funds	Restricted funds	Endowment funds
		to nearest £	to nearest £	to nearest £
B1 Cash funds	Restricted funds	-	8,258	-
	Unrestricted Funds	12,849	-	-
		-	-	-

B2 Other monetary assets

Total cash funds (agree balances with receipts and payments account (s))	12,849	8,258	-
	OK	OK	OK
	Unrestricted funds	Restricted funds	Endowment funds
Details	to nearest £	to nearest £	to nearest £
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-

B3 Investment assets

	Fund to which asset belongs	Cost (optional)	Current value (optional)
Details			
		-	-
		-	-
		-	-
		-	-
		-	-

B4 Assets retained for the charity’s own use

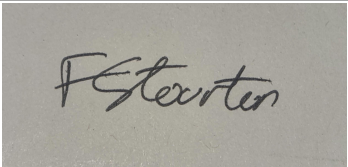
	Fund to which asset belongs	Cost (optional)	Current value (optional)
Details			
		-	-
		-	-
		-	-
		-	-
		-	-

B5 Liabilities

		-	-
		-	-
		-	-
		-	-

Details	Fund to which liability relates	Amount due (optional)	When due (optional)
		-	
		-	
		-	
		-	
		-	

Signed by one or two trustees on behalf of all the trustees

Signature	Print Name	Date of approval
	Dr Frederick Stourton	8/9/2023



Section A Independent Examiner's Report

Report to the trustees/
members of

Charity Name
Bravo Medics

On accounts for the year
ended

31 December 2022

Charity no
(if any)

1189780

Set out on pages

22 to 29

(remember to include the page numbers of additional sheets)

I report to the trustees on my examination of the accounts of the above charity ("the Trust") for the year ended **31/12/2022**.

Responsibilities and
basis of report

As the charity trustees of the Trust, you are responsible for the preparation of the accounts in accordance with the requirements of the Charities Act 2011 ("the Act").

I report in respect of my examination of the Trust's accounts carried out under section 145 of the 2011 Act and in carrying out my examination, I have followed the applicable Directions given by the Charity Commission under section 145(5)(b) of the Act.

Independent
examiner's statement

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination which gives me cause to believe that in, any material respect:

- accounting records were not kept in accordance with section 130 of the Act or
- the accounts do not accord with the accounting records

I have no concerns and have come across no other matters in connection with the examination to which attention should be drawn in order to enable a proper understanding of the accounts to be reached.

Signed:

Date:

20 October 2022

Name:

Jacqueline Taylor

Relevant professional
qualification(s) or body
(if any):

Chartered Accountant

Address:

Holly Tree Lodge, Hockley Lane

Stoke Poges

Bucks, SL2 4QE

Section B

Disclosure

Only complete if the examiner needs to highlight matters of concern (see CC32, Independent examination of charity accounts: directions and guidance for examiners).

Give here brief details of
any items that the
examiner wishes to
disclose.

Support to Ukraine



Early on after the Russian invasion of Ukraine James travelled to Poland to assist with the evacuation of children from the country.

On the back of this trip, in July 2022, Andrew and James, alongside a security advisor and a team from Great Western Air Ambulance Charity travelled to Ukraine to deliver trauma and medical training to groups affected by the war.

Flying to Poland they crossed the border by land and then travelled to Kyiv, via Lviv, where they delivered medical training and also experienced first-hand the

devastation of the recent Russian invasion.

No Bravo Medics' funds were used for the trip, but some charity equipment was taken to be used in the event a team member was injured.

Both team members felt the trip was both rewarding and beneficial, hopefully providing some benefit to those they trained and the patients they might see.



“To the whole
organisation,
our profound
respect and
thanks”

A patient





bravomedics.org



[bravomedics](https://twitter.com/bravomedics)



[BravoMedicsUK](https://www.facebook.com/BravoMedicsUK)



[BravoMedicsUK](https://www.instagram.com/BravoMedicsUK)

Garden Cottage
Long Lane
Bristol BS40 5SA

0117 287 0199



Registered with
**FUNDRAISING
REGULATOR**

Bravo Medics is a registered charity in England & Wales (1189780).