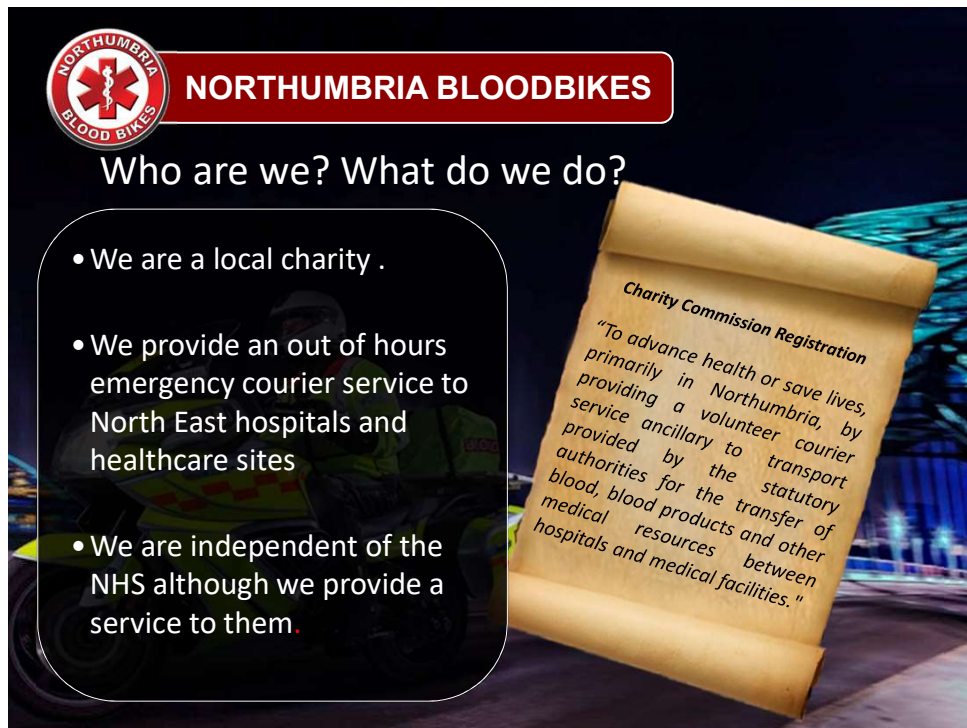




- Hello My Name Is
- I'm a Rider / Driver / Volunteer with Northumbria Blood Bikes
- Thanks for the opportunity to share our story with you
- Straw Poll – “how many of you have heard of us or know what we do”



NORTHUMBRIA BLOOD BIKES

Who are we? What do we do?

- We are a local charity .
- We provide an out of hours emergency courier service to North East hospitals and healthcare sites
- We are independent of the NHS although we provide a service to them.

Charity Commission Registration



"To advance health or save lives, primarily in Northumbria, by providing a volunteer courier service ancillary to transport provided by the statutory authorities for the transfer of blood, blood products and other medical resources between hospitals and medical facilities."

We are a charity.

When NHS couriers go home, hospitals used to rely on taxis or couriers to move urgent items out of hours.

We are not part of the NHS, or Blood Transfusion Service, but an independent charity.

Our charitable aim is to improve health and save lives.

NORTHUMBRIA BLOODBIKES

Background & History

- Blood Bike groups have existed for 50+ years
- Volunteer led, free out-of-hours service carrying blood, blood products and other urgent items
- 2009: Nationwide Association of Blood Bikes (NABB) established
- **2012: Northumbria Blood Bikes formed in September**
- 2013: 22 bloodbike groups carried out 25,000 jobs across UK
- **2014: NBB began live operations in February**
- 2017: 35 independent Blood Bike (27 NABB Members)
– now covering almost all of the UK
- **2017: NBB received Queen's Award for Voluntary Service**
- **2018: NBB performed 14,250 deliveries : NABB - 93,000.**



Only the North West of Scotland is not covered.

A group has formed in Aberdeen to cover the NE of Scotland

Of the 8 groups that are not members of NABB, many are working towards the standards required for membership

In 2018 NBB carried out around 14250 jobs - 15% of the national total of 93,000 that's about 1 in 6.5 jobs

Queen's award for voluntary service is **regarded as the MBE for charities** it is open to **local** charities who have existed for 3 years or more deemed to enhance their local communities. Our view is that we are, of course, delighted to receive the award it recognises the importance of the service we provide as well as the professionalism and dedication of our volunteers





NORTHUMBRIA BLOODBIKES

What do we do?

- We deliver urgent Blood, Platelets, Specimens, Fluids, Equipment.
- We recruit, train, and motivate volunteers to work with us
- We run a fleet of over a dozen vehicles
- We organise fundraising and awareness events, and solicit donations, sponsorship and publicity from.. Anywhere and Anyone!
- We do our own publicity: Newsletters, radio & TV interviews, banners, posters, promotional items, talks & presentations
- We negotiate with Health Trusts, NEAS, NHSBT, GNAAS.
- We are accountable; we record statistics, legal administration, evidence-backed with receipts, activity logs & recordings.

Delivering to hospitals is the visible part of our service, our equivalent of a duck on the lake

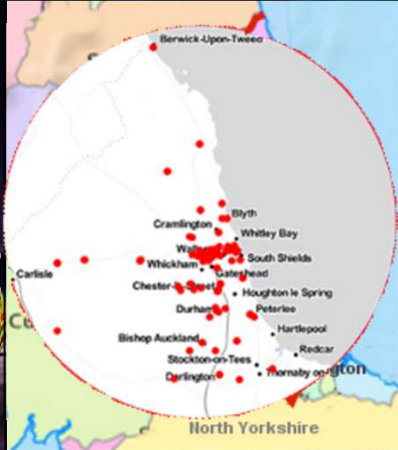
Everything else is what it takes to enable the delivery service – paddling like mad under the water.

NORTHUMBRIA BLOODBIKES

Our Coverage:

- We cover 7pm to 7am, every day, 365 days per year.
- We also work around the clock on weekends & public holidays
- We cover Northumberland, Tyne & Wear, Durham and Darlington.
- From Berwick to Darlington & DTV thru Barnard Castle, & Hexham to Sunderland and North Tyneside.





The map outlines our region

It is more or less the medieval kingdom of Northumbria. (Originally it included North Yorkshire hence "North of the Humber Area")

We can do relay runs with neighbouring groups.

We have serviced over 80 locations in the region



NORTHUMBRIA BLOODBIKES

Our Funding:

- Our service is completely free of charge to the NHS
- Nobody takes a salary..... every member works for free.
- Funded wholly by donations from the general public, sponsorship & events. No government or NHS contribution.
- Hundreds of Thousands of £££s saved in taxi & courier costs - which can be re-invested into patient care, equipment, extra nurses etc.
- Running Costs are currently around £6,000 per month around half of which is the cost of fuel.

We are led to believe that just one of the Trusts in the North East saved over £50,000 last financial year as a result of NBB.

While corporate and large donors are happy enough to fund major capital items like vehicles, it is much harder to get funding for “running costs” as donors find it hard to see “what they get for their money”. We still, therefore, run hundreds (literally) of “tin – rattling” events collecting small donations to cover our running costs. After one busy bank holiday weekend our cashier had 35Kg of cash to take to the bank (that’s the equivalent of 35 bags of sugar).

NORTHUMBRIA BLOODBKES

Why use Motorbikes?

- Good for negotiating traffic congestion due to filtering ability
- Riders can use "No Car" lanes
- Motorcycles provide better fuel economy, reducing costs.
- We promote the positive image of motorcycling, hopefully changing people's perceptions and allowing them to see riders in a more positive light.
- Through our rigorous training requirements, we are putting safer riders onto the roads, with hundreds of riders having taken advanced rider training and slow riding technique training. Every rider has an annual riding assessment.
- However, we use cars too: When ambient temperature falls below 3°C regulations prohibit carriage of whole blood by motorcycle. We also use cars/vans for carrying equipment and towing our trailers and cars are now seamlessly integrated into our operations.

Filtering is legal in the UK

We can use "no Car" or Bus lanes except in Gateshead who don't/won't allow it. In Newcastle we have dispensation for our cars to use the No-Car lanes in Emergencies

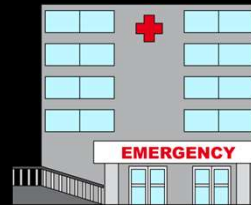
Our car fleet is now completely integrated into operations and we make no distinctions about their use, despite the charity still being called Northumbria Blood Bikes.




NORTHUMBRIA BLOODBKES




How it works:




Alternatively they may wait for a callout at one of the hospitals.



NORTHUMBRIA BLOODBIKES



How it works:



- We have a “virtual number” in the cloud for hospitals to call us.
- Our volunteers can redirect the number to their home phone.
- Hospitals call our ‘hotline’ number, our volunteer gets the call.
- We take the details of the job, and pass them to a rider / driver.
- Rider / driver collects and delivers the package keeping controller informed.



NORTHUMBRIA BLOODBKES



Operating Methodology:

- Members all carry photo I.D.
- All have an advanced riding or driving qualification
- Riding / Driving is assessed annually
- All receive GMP Blood Handling training
- Trained to use "blue lights" in emergencies
- Members use dedicated, liveried, vehicles - not their own.
- Tracking devices fitted which alert on speed infringements, or alert shift controller of any problems.
- Employer & Public liability insurances in place
- **All paid for by fundraising, no NHS contribution.**



At the time of the photo (Feb 2014) this represented the complete fleet of vehicles - 2 motorcycles

there are 31 people in the photo (plus two taking photos) that represented about 90% of the membership at the time

We refresh our group portraits.

You can see the fleet has grown considerably but even that photo (a year old) now needs updated

The volunteers photo was taken early summer 2017 and we had around sixty people at the photoshoot – only now it represented just over 10% of the group.

While Carol Malia (Front and Centre) did wear her NBB fleece on the day – she clearly didn't get the message about black trousers being part of the uniform☺



NORTHUMBRIA BLOODBIKES

Our Vehicle Fleet:

- 6 x Yamaha FJR
- 3 x Honda ST1300 Pan European
- 2 x BMW RT1200.
- 2 x Skoda Yeti
- 1 x Vauxhall Mokka
- 1 x Nissan Juke
- 2 x Skoda Octavia
- 1 x Exhibition trailer.



Still awaiting photo of Nissan Juke



The slide features a dark background with a faint image of a motorcycle. At the top left is the Northumbria Blood Bikes logo, a red circle with a white cross and a caduceus, with the text 'NORTHUMBRIA BLOOD BIKES' around it. To the right of the logo is a red banner with the text 'NORTHUMBRIA BLOODBIKES' in white. Further right is the Queen's Award for Voluntary Service logo, which includes a crown and the text 'The Queen's Award for Voluntary Service' and 'The QAVS for volunteer groups'. Below the banner, the word 'Membership:' is centered. A white rounded rectangle contains a bulleted list of membership statistics.

NORTHUMBRIA BLOODBIKES

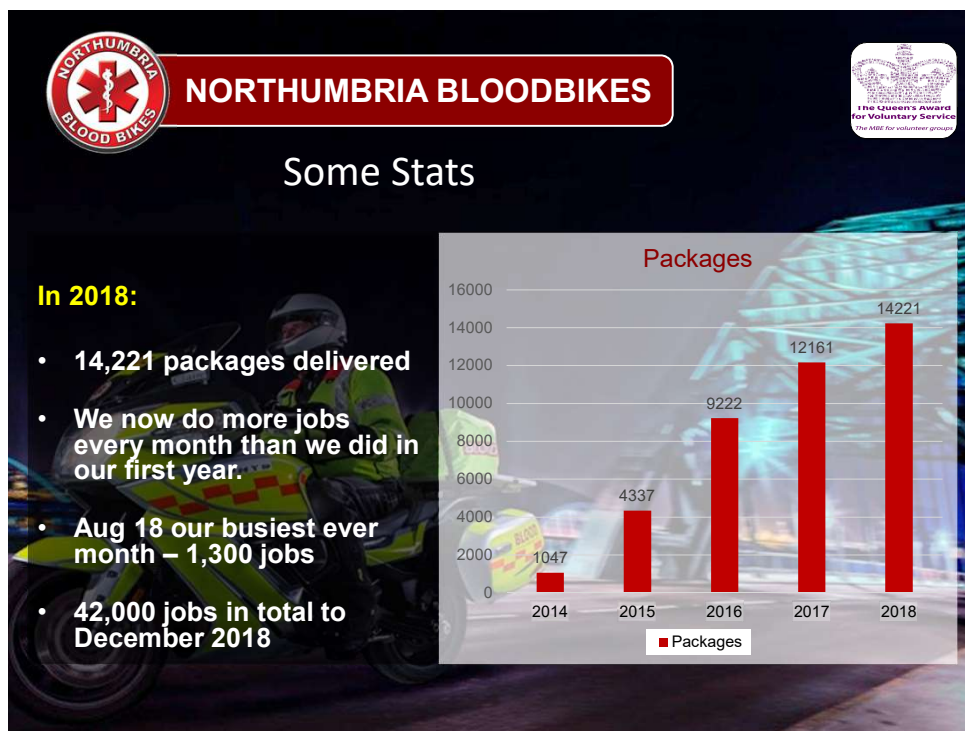
The Queen's Award for Voluntary Service
The QAVS for volunteer groups

Membership:

- Over 450 Members in total.
- Around 120 fully qualified riders
- Around 85 fully qualified drivers
- Approximately 50 people both ride and drive
- Around 60 Shift Controllers.
- Around 65 active fundraisers.

Numbers correct in Apr 2019

Analysis shows that around 50% of membership are “Active” in any given period




Pick your favourite stats


14221 per year = approx. 40 packages per day – or 40 people everyday whose healthcare is improved by what we do.

You could compare that to the number of people in the room

We continue to grow at a fast rate.





NORTHUMBRIA BLOODBIKES



Highlights

- Now operating up to 5 vehicles each shift
- Jobs from outlying areas (Berwick / Alnwick and Barnard Castle) now becoming much more common.
- We also perform a number of Long-Distance Relays with other groups
- June 2017 we received the Queen's Award for Voluntary Service.

We are doing jobs much farther afield as our service and reputation grows. This puts more stress on the duty riders / drivers as jobs can take much longer. Controllers also have to “box clever” to ensure that the “Newcastle Shuttle” (RVI / Freeman / NHSBT) is covered and all vehicles are not scattered far and wide.

We have been involved in a series of long distance relays including: A weekly run for several weeks of samples from Chesterfield Royal Hospital which needed to be tested at the Freeman as it was the only hospital capable of doing the tests. (reading between the lines this might have been a heart transplant patient) We relayed with Cumbria >> North West Lakes and Lancs


A series of runs from Northumberland to the Human Milk Bank in Chester- this was a lady in Northumberland who lost a very young baby and continued to express milk which was frozen and taken to the Milk Bank in Chester. (There is no Human Milk Bank in the North East) We relayed with White Knights (Yorkshire) >> Derbyshire.

We know of a long distance relay from Liverpool to Newcastle which was sent by taxi by mistake cost the trust involved around £250.

Emmerdale: All-female cast in International Women's Day episode

3 October 2018

International Women's Day




Eden Taylor-Draper and Isabel Hodgins are among Emmerdale's female stars

Emmerdale is to feature only female cast members in a special episode on International Women's Day next year.

The one-off special of the ITV soap will also be produced, written and directed by females and there will be "almost an entirely female crew".

Highlight our all-female shift on boxing day 2015 to demonstrate our diversity and that there are roles in our group for everybody we can claim that even national airlines and national treasures (Emmerdales) are copying our ideas and show the publicity / news items.



NORTHUMBRIA BLOODBIKES

Blood On Board ("BoB")

"The daily delivery of blood to each of the two Great North Air Ambulance helicopters, to enable blood transfusions at the scene of an accident instead of waiting until the patient reaches a hospital"

- Idea came from frontline military field hospitals in Afghanistan
- Only group "O negative" blood used - can be given to any patient
- Specially insulated storage boxes maintain temperature for 48 hours
- In-built electronics show if box temperature has breached thresholds
- Blood transfused at scene is heated to body temperature "on the fly"
- Unused blood is returned to hospitals before it deteriorates, so that it can go back into circulation for use in operations: No waste!
- Relay with another blood bike group to reach the furthest base in Penrith



Update August 2018– latest figures not yet received from GNAAS

At least Eighteen lives have been saved as a result of air ambulances carrying blood on board, the charity has said averaging one per month.

The Great North Air Ambulance Service (GNAAS), which covers the North East, Cumbria and North Yorkshire, started the scheme in January 2015. We can generalise to say one “unexpected survivor” per month.

Since then, medics have performed over 60 transfusions, a third of which were deemed to have been of critical importance to survival.

Many others have had their outcomes improved by having the intervention.


GNAAS now run a HEMS (Helicopter Emergency Medical Service) car service in our city centres on Friday and Saturday nights which will soon be extended to operate weekend days too.

As part of their 15th Anniversary celebrations GNAAS highlighted 15 memorable patients – including Logan Murdoch a **FOUR-year-old** boy who was ‘internally decapitated’ and not expected to survive the same horrific road crash which killed his mother and great-grandmother

Logan Murdoch, from Carlisle, was left fighting for his life after a serious traffic collision on the A595 at Newby Cross. His mother, and great-grandmother, died in the incident, when their car collided with a van on February 23, 2016.

Logan suffered an internal decapitation, which is a separation of the spinal column from the base of the skull, as well as brain injuries, a punctured lung and a broken collar bone. He was not breathing when the GNAAS crew arrived at the incident. Logan was resuscitated at the roadside before being put into a medically-induced coma by the GNAAS doctor-led trauma team. He was also given blood en route to the Royal Victoria Infirmary in Newcastle.

GNAAS - Dr Duffy said: "Logan was one of our 'unexpected survivors.' That means that statistically, with the injuries he sustained, he was unlikely to survive."



NORTHUMBRIA BLOODBIKES

Blood On Board ("BoB")

*"The Great North Air Ambulance Service **relies entirely** on the Blood Bikes charity to deliver blood products to our two air bases in the North East and North West of England. **The service they provide is extremely professional, reliable** and without their service we would be unable to provide pre-hospital blood transfusions at the roadside to critically injured patients. **Blood Bikes was the only organisation capable of meeting our needs** and we have been impressed with every aspect of their service, from the training and qualifications of their riders, to the flexibility and "can do" attitude of their team. We are aware that this service is dependent on external charitable funding and would sincerely encourage potential donors to support this life-saving organisation."*

Dr David Bramley, MBChB, FRCS(A&E)Ed, FCEM, FIMC RCSEd
Medical Director, GREAT NORTH AIR AMBULANCE SERVICE

Highlighted some key phrases



NORTHUMBRIA BLOODBIKES



Patrons:



Carol Malia
BBC TV Presenter,
Deputy Lord Lieutenant
of Northumberland





Heidi Mottram
OBE
CEO, Northumbrian Water



Bob Jarman
MBBS MSc FRCS(Ed)
FCEM FRCP(Ed) CFEU
Consultant in
Emergency Medicine



Ron Hogg
Police & Crime Commissioner
County Durham



NORTHUMBRIA BLOODBIKES



Feedback:

*"We had a horrific ***** major haemorrhage a few weekends ago, the patient was issued over *** products by the lab which was a phenomenal amount of products to get out. I would really like to thank the blood bike staff who were working that day as their efforts in transporting blood products to the lab was fantastic. Without their amazing support we would not have been able to provide such a quick turnaround on our major haemorrhage boxes. If you can pass on our sincere thanks that would be great."*

Mail received from Senior Clinician, RVI Newcastle

Feedback received from the RVI - some details redacted to aid anonymity for the patient

Perhaps enhances our ability to say that our service saves lives



NORTHUMBRIA BLOODBIKES

Feedback:

“Northumbria Blood Bikes are a dedicated team of tightly knit volunteers working so professionally together. Their service has already saved many lives. The bikers and drivers undergo extensive training, all in their own time, and are supported by an efficient network of other volunteers all devoting themselves to supporting emergency health care. I have a personal reason to thank NBB. My friend’s son went into cardiac arrest after undiagnosed internal bleeding. At the age of 14 they found themselves at his bedside praying for his survival. He needed blood, and quickly. It was a Northumbria Blood Bike that delivered the consignment which ultimately meant that Matthew has made a complete recovery.”

Carol Malia, BBC TV Presenter, Deputy Lieutenant of Northumberland

Feedback received from Carol Malia

