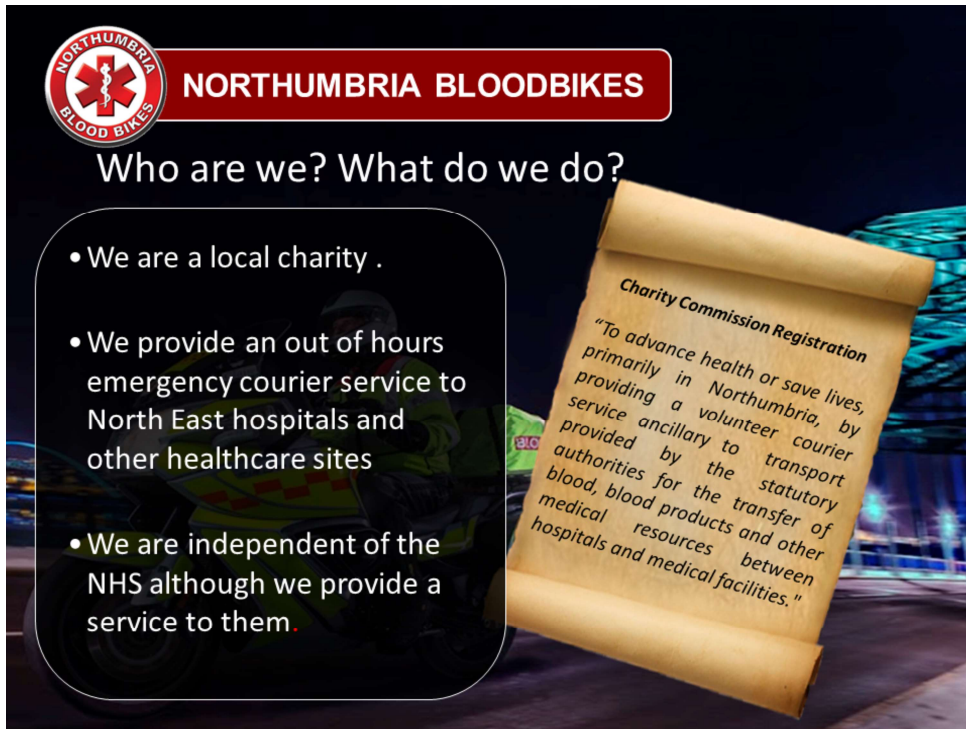




- Hello My Name Is
- I'm a Rider / Driver / Volunteer with Northumbria Blood Bikes
- Thanks for the opportunity to share our story with you
- Straw Poll – “how many of you have heard of us or know what we do”



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 other 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 the country
- **2014: NBB began live operations in February**
- 2016: 35 independent Blood Bike groups carried out 56,000 jobs (27 NABB Members) – now covering almost all of the UK
- **2017: NBB received Queen's Award for Voluntary Service.**



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 2016 NBB carried out around 9,500 jobs - 17% of the national total

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 BLOODBKES

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 BLOODBKES

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 BLOODBKES

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 BLOODBIKES

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 over 100 riders having taken advanced rider training and slow riding technique training.
- 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 BLOODBIKES



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 BLOODBKES

Our Vehicle Fleet:

- 3 x Yamaha FJR
- 4 x Honda ST1300 Pan European
- 3 x Triumph Trophy
- 2 x Skoda Yeti
- 1 x Vauxhall Mokka
- 1 x Nissan Juke
- 1 x Renault Kangoo
- 1 x Exhibition trailer



Still awaiting photo of Nissan Juke

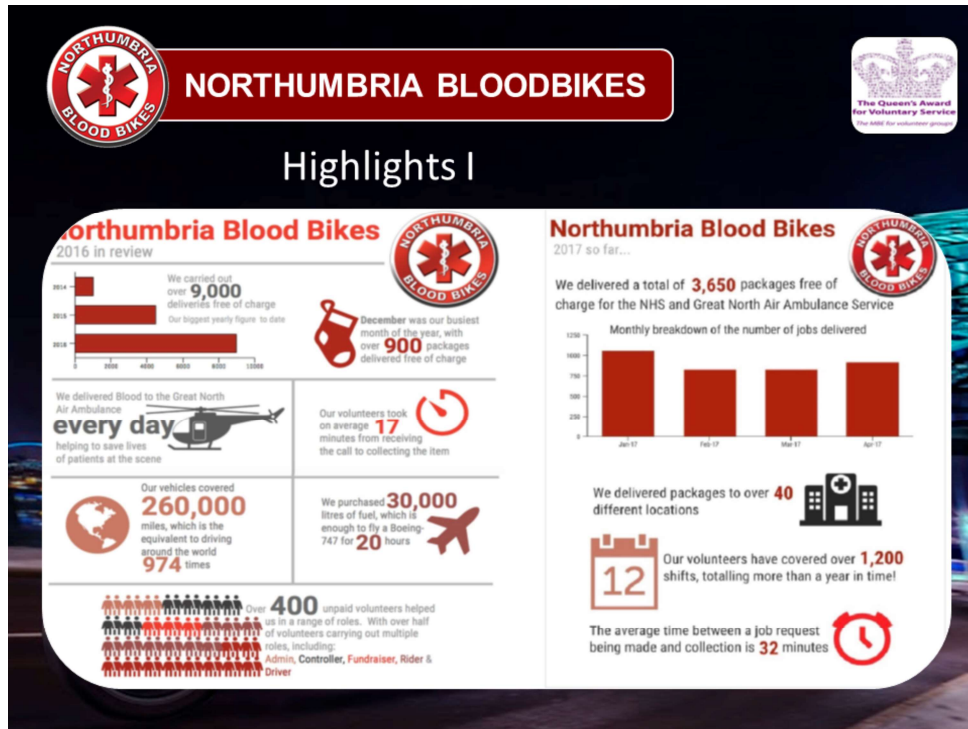


NORTHUMBRIA BLOODBIKES

Membership:

- 500 Members in total.
- 300+ Riders, of which
 - 150+ are advanced qualified
 - 120 are on the riders register
- 286 Drivers, of which
 - 129 are advanced qualified
 - 70 are on the drivers register.
- (32 members are on both registers).
- 80 x Shift Controllers trained.

Numbers correct in June 2017




Pick your favourite stats


We could highlight that out of 500 members 400 were active in some form – we’ve had over 800 active members since we started.

We are now doing around 1,000 jobs per month

We did 9,600 jobs in 2016 cf national returns of 56,000





NORTHUMBRIA BLOODBKES



Highlights II

- Now operating 2-3 vehicles each shift
- Jobs from Berwick / Alnwick and Barnard Castle becoming much more common.
- In discussions with Newcastle Hospitals to carry "On-Call Clinicians".
- Number of Long-Distance Relays
- June 2017 we received the Queen's Award for Voluntary Service.

Points to note:

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.

Early in 2017 we were 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 that a long distance relay from Liverpool to Newcastle which was sent by taxi by mistake cost the trust involved around £250.

BLUE LIGHT N

Air India claims first journey around the world with all-women crew

4 March 2017 | India

f t v e Share



TWITTER - SAN FRANCISCO AIRPORT

The air traffic controllers responsible for the flight were also women, the airline said


An Indian airline says it has made the first passenger journey around the world operated by an all-women crew.

THE lady mem...
Blood Bikes h...
first ever all-fem...
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Day 2015, delive...
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Blood Bikes (NBB)...
lady driver and th...
covered all NHS A...
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Philippa Bromie...
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to pages

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 are copying our ideas and show the Air India Publicity from March 2017.

We can highlight the plans for this year's boxing day shift to covered by our committee and see if the Air India board of directors follows suit 😊



NORTHUMBRIA BLOODBIKES

Blood On Board ("BoB")

"The delivery of blood, daily, 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 used for any blood type
- 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 temperature drops, so that it can go back into refrigeration for use in operations: No waste!
- Relays with another blood bike group to reach furthest base (Penrith)



Update April 2016 – 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.

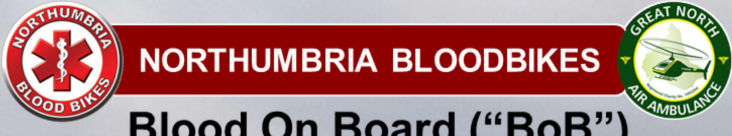
GNAAS now run a HEMS (Helicopter Emergency Medical Service) car service in our city centres on Friday and Saturday nights which will soon be extended to operate weekend days too.

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

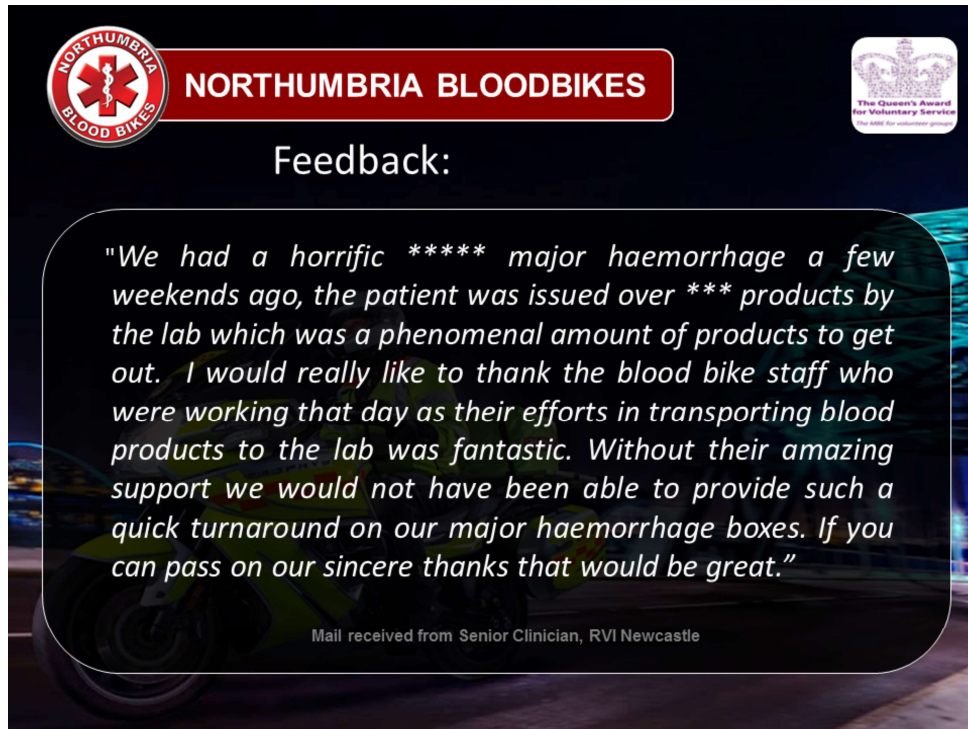


NORTHUMBRIA BLOODBIKES





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



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

