



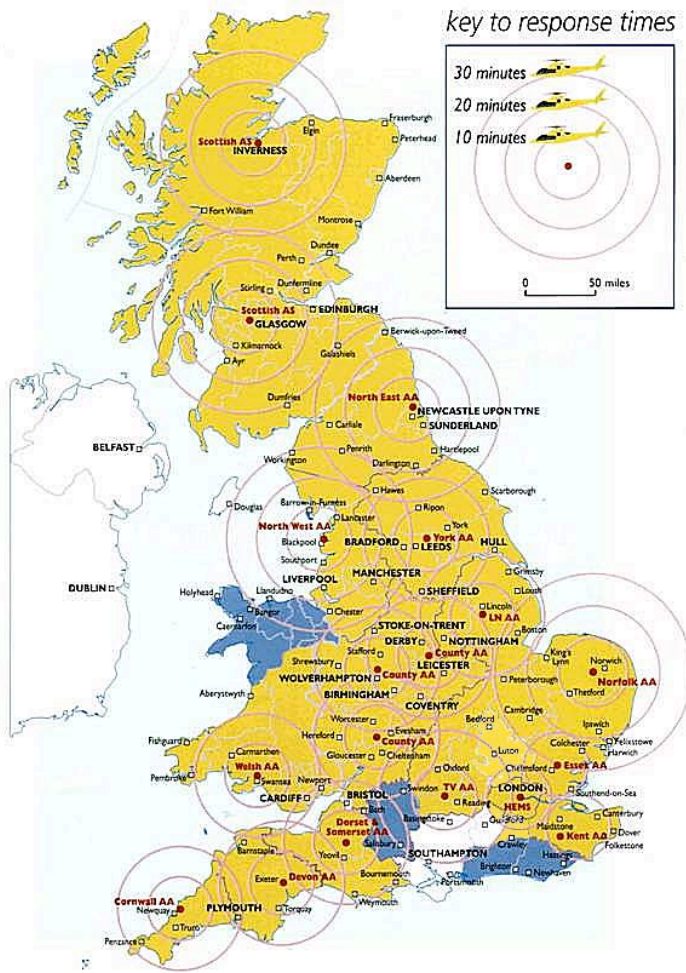
Establishing a new air ambulance service. Experiences from the United Kingdom

Stavanger, Norway
25th May 2007

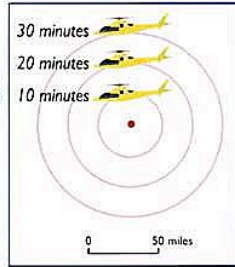
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AIR AMBULANCES



key to response times



Key Air Ambulance
 Police/Air Ambulance



Is there a need?

- Generally no formal assistance by doctors in the UK.
- Assistance in Hampshire provided by a charity.
- Approx 1000 calls p.a.
 - 70% entrapments
 - 15% crew requests
- Doctors not available for approx 300 calls p.a.



Would it improve clinical care?

Beneficial effect of helicopter emergency medical services on survival of severely injured patients.

Frankema SP et al. *Br J Surg*
2004;91(11):1520-6

Odds ratio for survival from blunt trauma of 2.8
(95% CI 1.1-7.5, P=0.036) when compared with a
paramedic-based ambulance crew.



Is it affordable for the ambulance service?

€16,000,000 to improve response times from 8 to 6 mins

Paramedics in existence.

? Doctor funding

Helicopter provided free by the charity @
€1,600,000 per annum

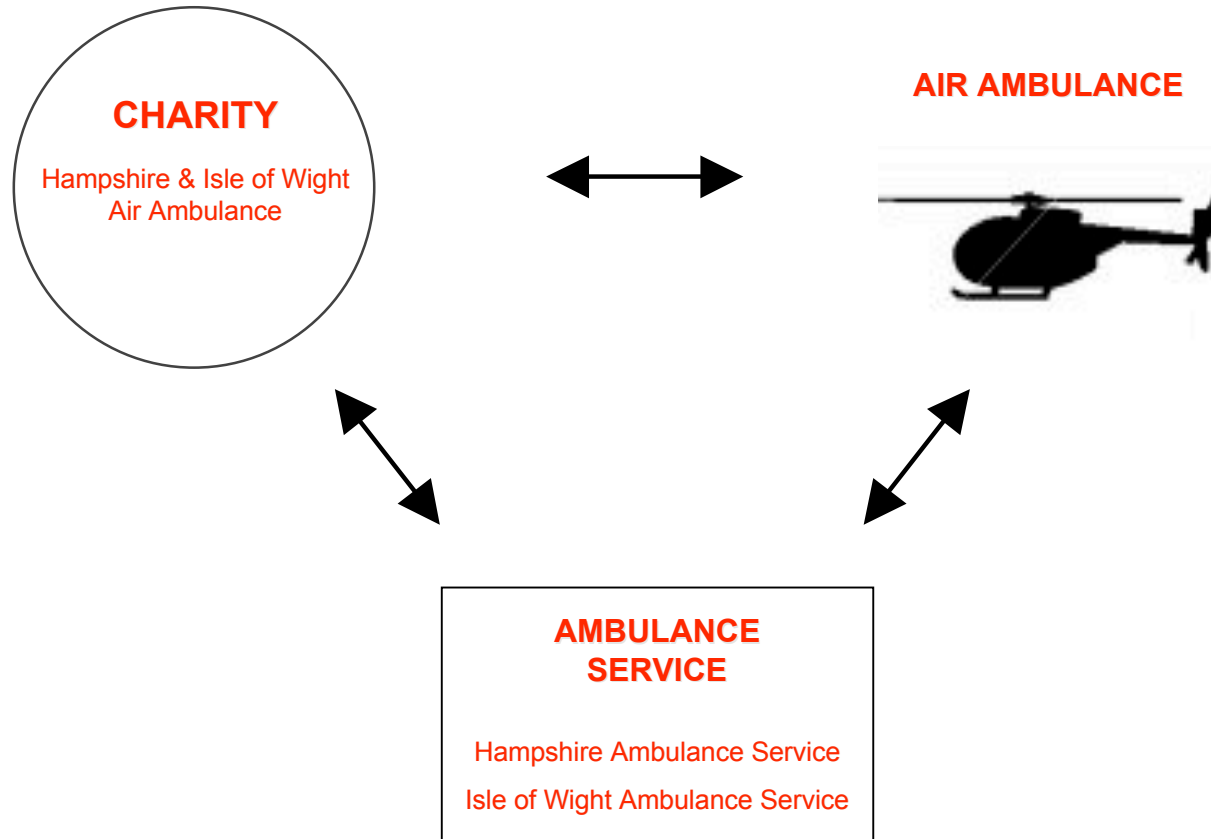


So let's get one!

- Clinical vs operational pressures



Infrastructure



Fundraising challenge

£60,000 per month

(Pilot, helicopter, maintenance, base)

£450 fuel per hour

(approx 20 hrs flying per month)

Staff costs

Sources of income

- Section 64 grant from DH
£112,000
- Air ambulance lottery
14,000 signed up to date
- Community fundraisers
- PCT funding of staff costs

MBB BO105DBS



EC 135



Primary Missions

- ***Immediate*** When the '999' call warrants immediate helicopter dispatch e.g. confirmed entrapment, paediatric cardiac arrest.
- ***Interrogation*** When initial details from the caller are insufficient, it may be necessary to phone the caller to obtain more clinical details.
- ***Crew request*** All crews will be able to request assistance from the helicopter.

Secondary Missions

- ***Patient retrieval*** e.g. paediatric cardiac cases.
- ***Patient transfer*** e.g. spinal injury, burns.

Immediate Callout criteria

Road Traffic Accidents

- High speed vehicle/motorcycle RTA
- Patient trapped
- Associated fatality
- Patient ejected from vehicle

Trauma

- Falls >20ft
- Severe burns (>15%)
- Penetrating injuries to head/chest/abdomen
- Limb paralysis or amputation

Other

- Crew request
- Near drowning
- Any paediatric major injury

5 & 10 minute flying times for an air ambulance based at Southampton airport





Any questions?

