



# Pre-Hospital Transfusion

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# Disclaimer:

My views are my own and do not represent the views or position of the Ministry of Defence, HM Government, Thames Valley Air Ambulance, or any of my other employers

The case presented is a hypothetical case and not a real one

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Thames Valley Air Ambulance, Stokenchurch House, Oxford Road, Stokenchurch, Bucks, HP14 3SX



# Introduction

- Paramedic / Doctor crew on helicopter or car
- Provide critical care to patients prior to hospital
- Trauma or medical events, all age groups
- Perform sedation, anaesthesia, peri-arrest surgical procedures
- Carry blood products
- Cover Berkshire, Buckinghamshire (incl MK) and Oxfordshire
  - HLOWAA cover Hampshire

Initially 2 units of Red Cell Concentrate

Now 2 units of RCC and 2 thawed FFP per vehicle in a Credo box

3 sets collected each day from JR Blood Bank (Thank you!)

Each lasts for 48 hours

Data logger inside each box



# Finding the right case

Approx 2500 to 3000 '999' calls per day to South Central Ambulance Service

Critical Care Paramedic listens in to many high priority calls

About 1% of calls require enhanced critical care skills

Blood products transfused approximately 8-10 times per month

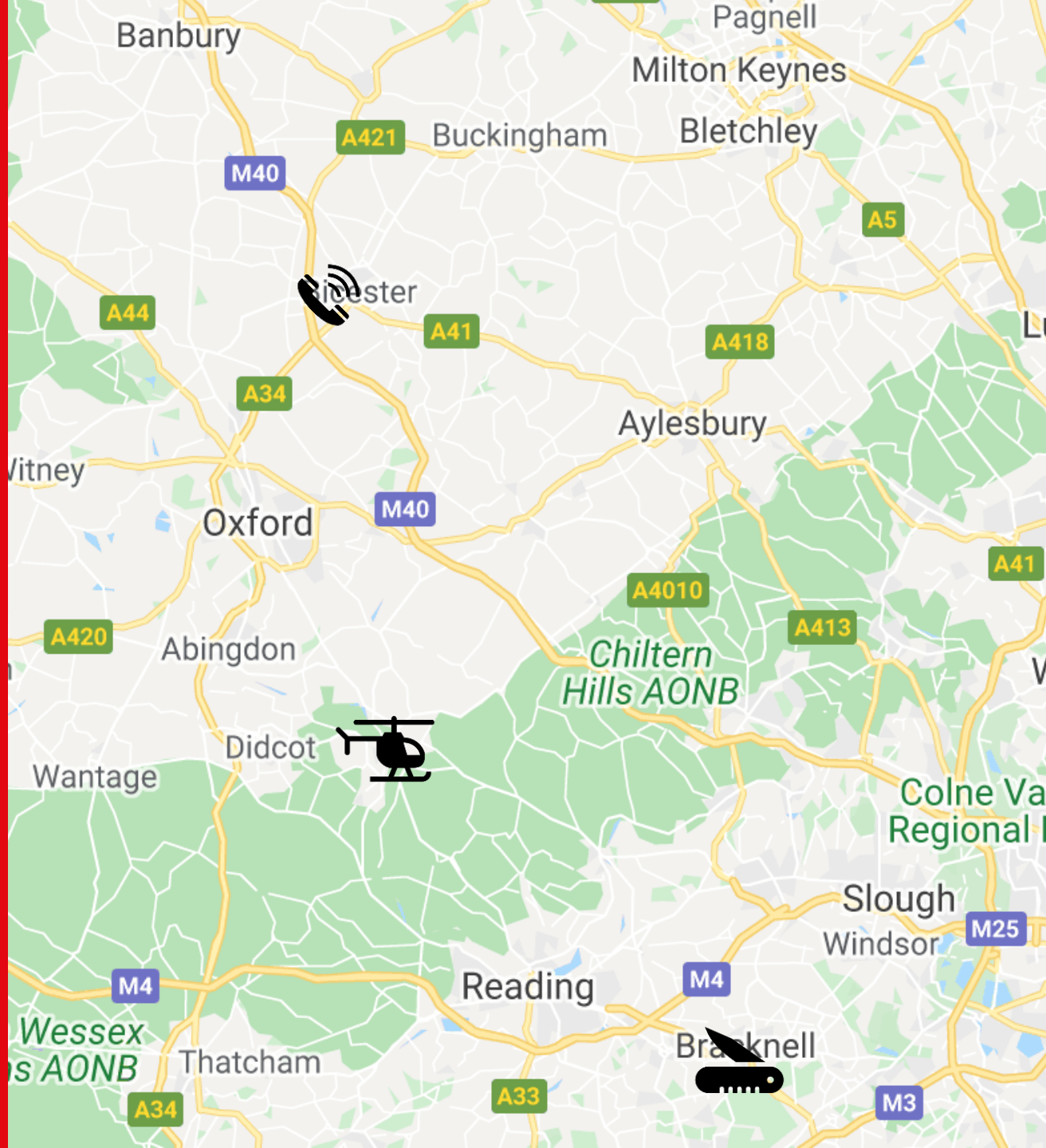


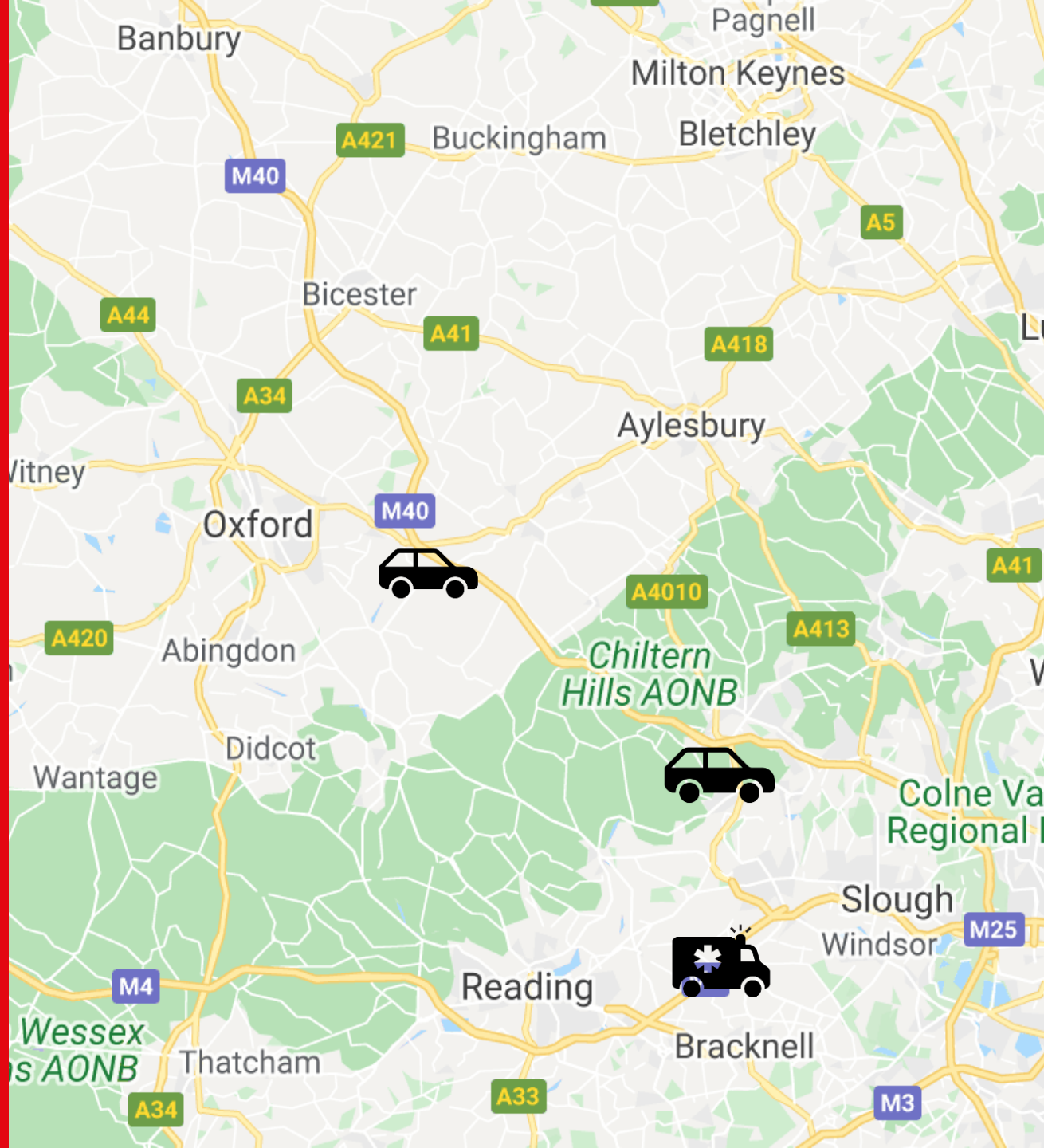
# 999 Call

- 18 year old male
- Multiple stab wounds to upper abdomen
- Caller describes patient as “sweaty and pale”











Patient arrives with a pulse, less of a coagulopathy and calcium in range and with working pain relief

Blood restocked whilst writing notes

Debrief and then onto the next job

Thank you to our supporters who enable the charity to provide the care we do

Thank you to the blood bank staff at the JR, and more widely, for helping us project the hospital standard of care forward to wherever the patient needs help

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