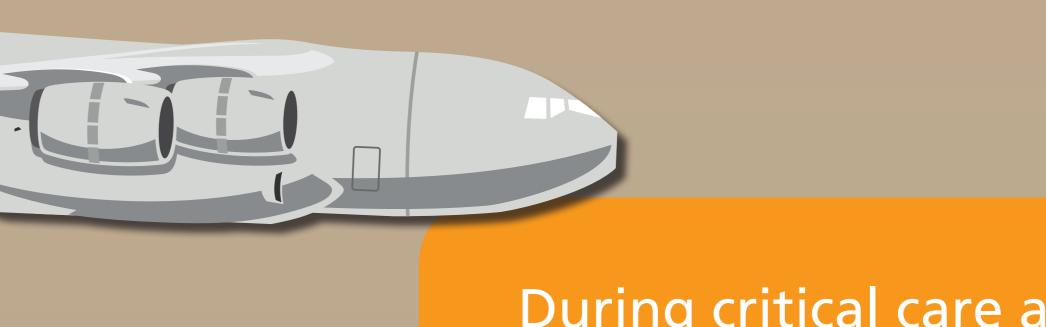
## How Healthcare Science helped Corporal James to the INVICTUS Games

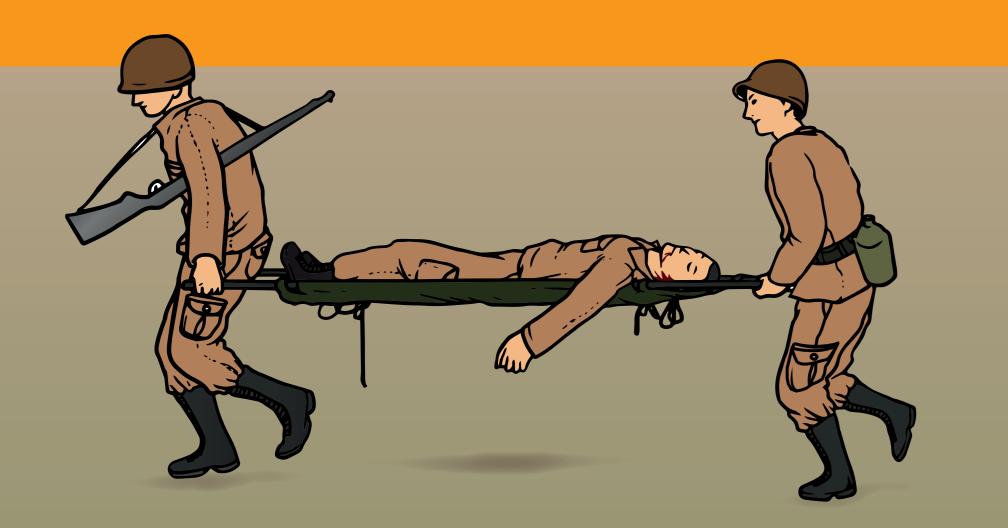


## Corporal James (Jed)

- Joined the 1st Battalion, Royal Regiment of Fusiliers 2005 aged 17
- Ran for his athletics team
- 2013 lost his left arm and leg in combat
- His challenge is to walk again, get back to work and run in the Invictus Games



Whilst out in action Jed stood on an IED. He was rescued by his colleagues and given emergency first aid by a medical reservist who is a Healthcare Scientist. He lost his left arm and leg in the accident.



In critical care and during emergency surgery Jed comes into contact with many Healthcare Scientists and Healthcare Science careers:

- Blood sciences for blood transfusions
- Cardiology for cardiac monitoring
- Medical physics to maintain the CT scanner
- Audiology to test his hearing
- Infection sciences to carry out wound infection checks



During critical care and further surgery, multi-disciplinary teams support Jed to recover. Healthcare Science teams provide rehabilitation, vascular flow measurement and infection control which are further supported by a psychological support team and physiotherapy.





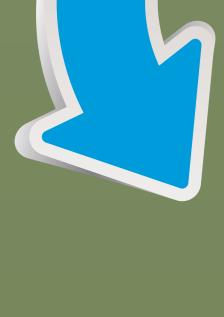
Following surgery Jed is fitted with artificial limbs. A Prosthetist sources the limbs whilst a Healthcare Science Rehabilitation Engineer checks the quality of the limbs.



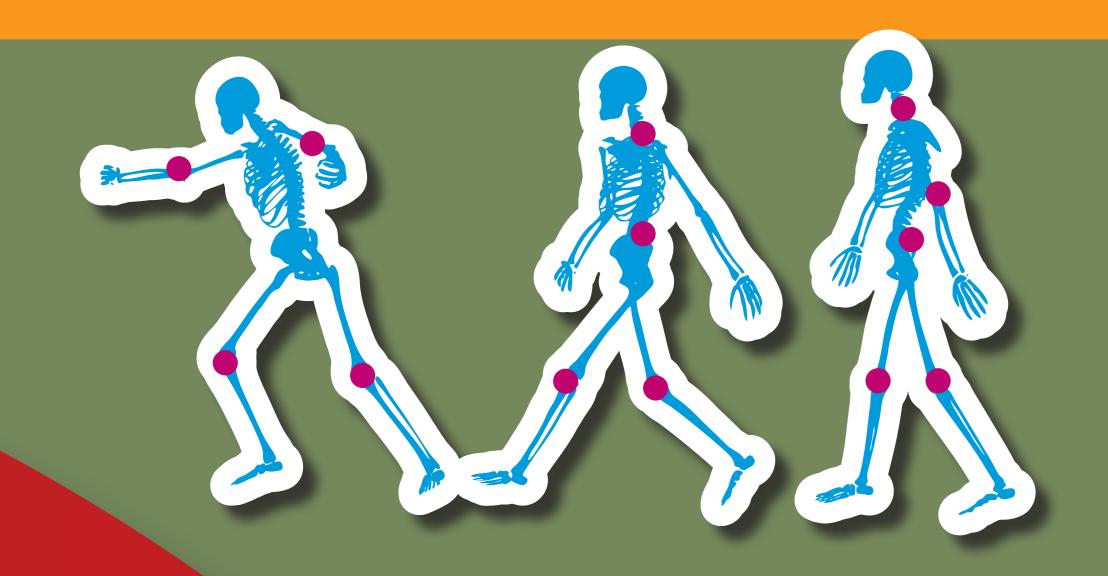
Jed has his 1st wheelchair assessment helped by a Clinical Scientist and Rehabilitation Engineer.



Jed begins rehabilitation and intense physiotherapy.



A Clinical Scientist checks Jed's balance and posture while wearing his new limbs.



Audiology Healthcare Science Clinical Scientist checks Jed's balance.



Jed is now comfortable with his new limbs and decides to try running with a blade. This requires additional support from the Prosthetist, Healthcare Science rehabilitation engineers and Vascular Healthcare Scientist.





So much so he is ready to compete in the INVICTUS











