Medical care at Camp Bastion
Many of the techniques and processes developed by UK Armed Forces medical personnel are now saving lives in the NHS

- 300 doctors, nurses and support personnel at the hospital
- 450 personnel evacuated by the Critical Care Air Support Team to the UK
- 15,500 litres of blood transfused to 2,600 trauma patients
- 39,000 CT scans
- 50,000 X-rays
- 14,000 UK personnel seen at Role 3 Hospital
- 6,500 cases transferred to Bastion by Chinook Medical Emergency Response Team

Bastion’s Role 3 Hospital opened in 2006 and became one of the world’s leading trauma care facilities.

Figures are approximate
Impact of ‘Friction’ upon the BMS
Root causes of human error
(data from MHRA 2011, graph by Questionmark)
Mitigation

- Training
- More personnel
- Lab Information System
- Improved Diagnostics
- Review of SOP and associated procedures

All Useful, but the friction of MASSIVE TRANSFUSION And RISKS still present.

HOW DID WE ADDRESS the LATENT RISK?
AMSTC
Army Medical Services Training Centre
AMSTC

- Simulation, not ‘just’ training
- (Cultural Impact / Language / Humidity!)
- Validates deployable medical teams
- Infinitely reconfigurable
- Responds to ‘real-life’ changes
- Professional, full time management team
ONE SHOT reportable event

international observers
Impact

- Lab equipment installed
- LIMS set up
- Real time scenarios
- ‘FRICTION’ simulated
- Added benefits (Team building and Trust!)
- ‘Only’ two SHOT/SABRE events
Versatility is key

Ebola Crisis 2014-15

South Sudan 2017 onwards
The value of simulation over ‘isolated’ scenario based training

- 2006 - Hogg, Pirie, Ker “The use of simulated learning to promote safe blood transfusion practice” Nurse Education in Practice
- 2014 - Morgan, Rioux-Masse, Oancea, Konia, “Simulation based education for transfusion medicine”
- 2016 - Campbell, Poost-Farooshm Pavenski, Contreras, Alam et al “Simulation as a toolkit - Understanding the perils of blood transfusion in a complex healthcare environment” Advances in Simulation
IMMERSIVE TRAINING AND INTEGRATION OF MULTIDISCIPLINARY TEAMS SEEMS TO REDUCE THE NEGATIVE EFFECTS OF FRICTION

Questions?