NISTAR E-health Solution

Collaborative approach to supporting transfers of sick children and babies to paediatric and neonatal Intensive Care Units
The Team Involved

• **Dr Richard Tubman**  
  Medical Director - Northern Ireland Specialist Transport & Retrieval Service

• **Paddy Dornan**  
  Assistant Director IT – Northern Ireland Ambulance Service

• **Michael Kane**  
  IT Technical Design Authority – Belfast Health & Social Care Trust

• **Karen Radcliffe**  
  IT Project Manager - Belfast Health & Social Care Trust

• **Project Sponsor - Paul Duffy**  
  IT Co-Director – Belfast Health & Social Care Trust
NISTAR Clinical Challenges

• Clinicians within the ambulance have limited access to patient data
  Remote access to information

• On-Call consultants had no access to live patient data
  Network vital signs monitor

• Team made clinical decisions based on noisy/patchy phone calls
  Unify communications

• Ambulance had no access to Internet
  Clinically connect ambulance
Clinically Connected

• Island of Ireland coverage - 2 jurisdictions (UK & Ireland)

• Multivendor roaming SIM

• Strongest signal

• Traverses EE, O2, Vodafone & Three
Live vital signs – from Ambulance

- Real-time vital signs
- paediatric and neonatal care
- Data Reachbak
- Battery back-up
NISTAR E-health Solution
NiStar E-health Solution

ECR

Cot Locator

Skype

NIPACS
Transforming the clinical journey

- Ambulance is clinically connected – access to bloods, xrays & EHCR
- Consultants at HQ have access to live vital signs from the ambulance
- Team make informed clinical decisions based on live communications
- Delivers efficient clinical care, is scalable and improves patient safety
How are we improving patient care & safety