

Birmingham Children's Hospital NHS NHS Foundation Trust

Pharmacy Technicians Support the Administration of I.V's

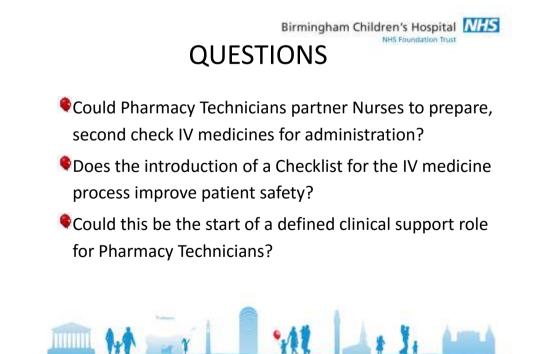
Marie Slimm, Chief Pharmacy Technician



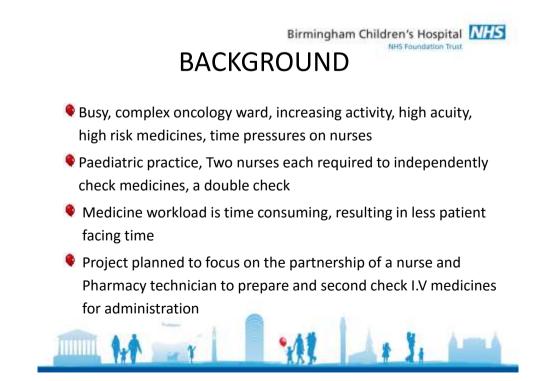
Birmingham Children's Hospital

There is no conflict of interest with respect to financial relationships to disclose in this presentation









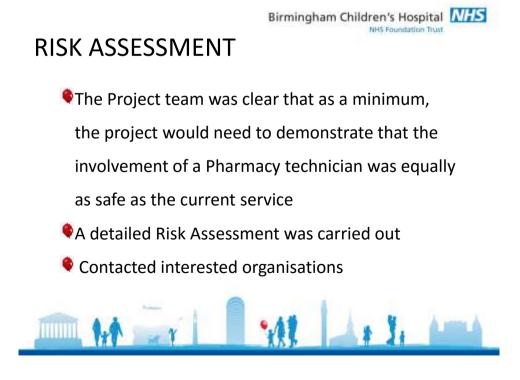


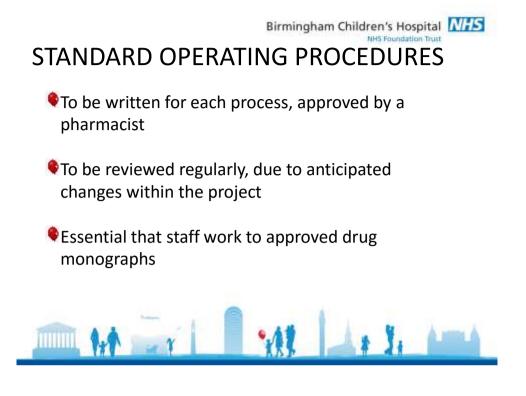
Birmingham Children's Hospital What roles do Pharmacy Technicians have now in the U.K?

- 🎈 Dispensing
- Accuracy Checking, national accreditation
- Ward Based Service, national accreditation
- Medicines Information, national accreditation
- 🎙 Clinical Trials

- Purchasing of Medicines, including Unlicensed
- Aseptic Preparation









Birmingham Children's Hospital

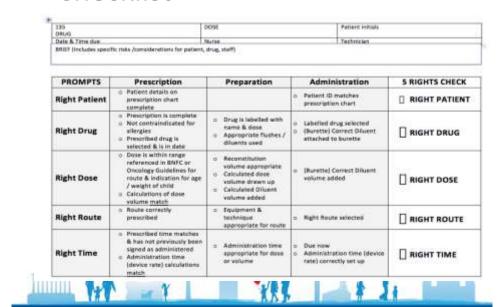
Checklist based on the 5 RIGHTS

- RIGHT PATIENT
- 🎙 RIGHT DRUG
- 🂐 RIGHT DOSE
- 🂐 RIGHT ROUTE
- 🂐 RIGHT TIME



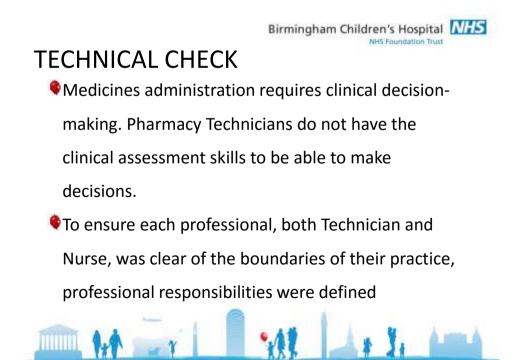
Checklist

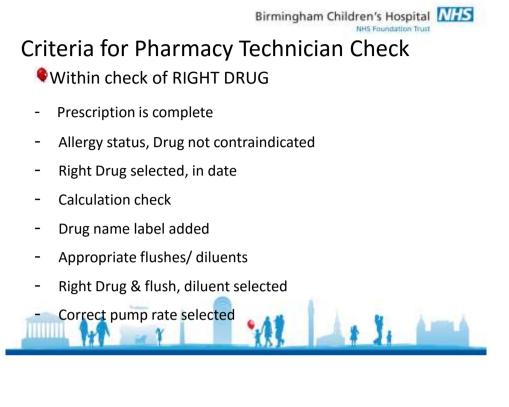
Birmingham Children's Hospital NHS NHS Foundation Trust



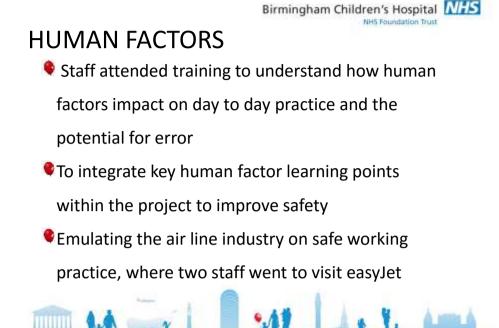
	NURSE	TECHNICIAN
Dose Volume Calculation Prescribed Dose & Medicine Strength must be in same units		Dose Volume Calculation CHECK Prescribed Dose & Medicine Strength must be in same units
Panel Sec	The second secon	Datas X Medicine = Required
lequired st	inal Volume Calculation regits & Prescribed Dose must be in the same int = =	
Jose/ Fina	a volume = screngen	Provide a strate and strategy a
Pump Rate	e Calculation e calculated is <u>mis/hr</u> ne for administration is defined in drug mono	Pump Rate Calculation CHECK Rate must be calculated in mb/hr

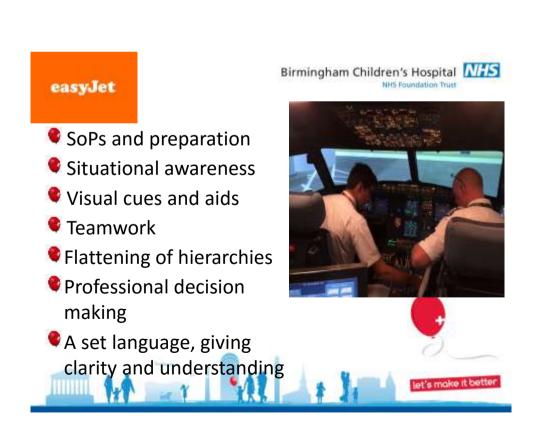
Birmingham Children's Hospital NHS

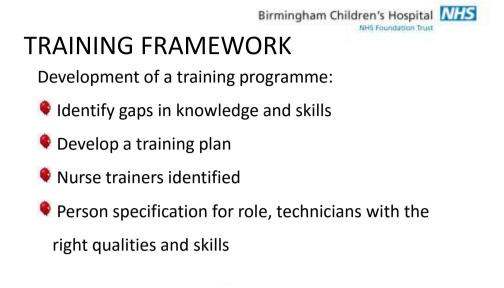














Birmingham Children's Hospital MHS Foundation Trust TRAINING PROGRAMME - underpinning

- Attend IV clinical skills & drug admin study day
- Complete e learning modules
- Attend Human Factors Training Day
- Read Trust Policies & SOP's, Trust, Ward and Pharmacy





Training Programme - practical



Birmingham Children's Hospital MHS Foundation Twee TRAINING PROGRAMME – Supervised Practice on Ward Observation and supervised practice of dose

checking, IV preparation, checking & administration

including pump checking

- Completion of Checklist
- Reflections on practice and weekly 1:1's
- Complete a log & Competency assessment
- 🎈 Sign off







Birmingham Children's Hospital **NHS** Day to Day - Administration

- Accompany nurse to the bedside
 Confirm patient ID
 Checks, pump rate, correct fluid, timings of bolus injections
 Checklist
 Nurse administers
 Records complete
- Getting to know the patient



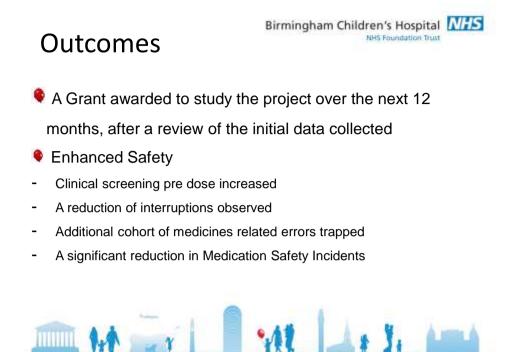




Birmingham Children's Hospital

- Patients and Parents They have shown a real interest in the project and think that it is a 'good idea'
- Nursing Staff Technicians offer reassurance and confidence particularly to junior staff when faced with complex calculations. Protocol-driven approach is welcomed. The team are well integrated
- Technicians 'Working on the IV project has been at times scary, exciting and eye opening. I have gained new skills and developed my knowledge. Working with the nurses so closely has increased collaboration and a deeper understanding of the important roles we all carry out on the wards to help to achieve an outstanding level of patient care'.



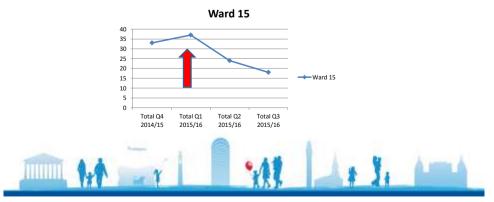


Medication Safety Incidents

The arrow indicates the start of the project. You can see that there has been a noticeable reduction in Medication Safety Incidents since that time on the project ward. It is too soon to draw conclusions. Nevertheless the data is dramatic.

Birmingham Children's Hospital

NHS Foundation Trust

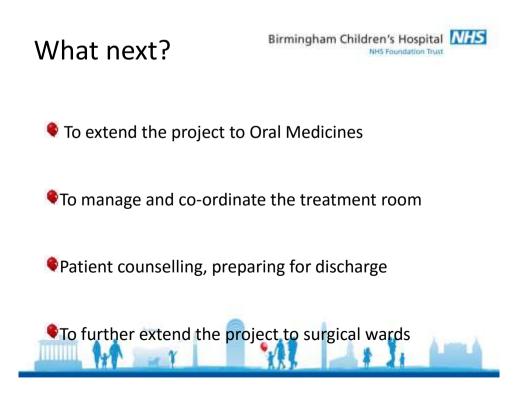




Outcomes

- New Approach
- Protocol driven
- Controlled environment
- Calculations finalised at onset, not at the bedside
- A transferrable model to other wards
- Timely administration of medicines, a collaboration of the Team
- A truly multi professional skill mix approach to patient care
- Improved medicines management on wards
- Technician skills broadened





Conclusion Fechnicians can safely partner a nurse in the I.V medicine process, releasing time to care Improving patient safety by introducing a quality systems approach Benefit of inter professional skill mix Potential to adopt across all ward areas Improved Medicines Management on the ward Uniquely a pharmacy technician development



Birmingham Children's Hospital NHS

With Special thanks to the Nurse/Pharmacy Team

Heather Petts Lead Oncology Nurse e Dawn Forbes Nurse trainer Jo Correa Senior nurse, Medicines Management 8 Anthony Sinclair Chief Pharmacist . Jason Patel Lead Oncology Pharmacist 8 Ruth Shuard Lead Pharmacy technician • Maya Patel Senior Pharmacy technician Katie Mudd Pharmacy technician Daniel Pygall **Pharmacy Technician** Debbie Butler Quality lead Technician



NHS Foundation Trust

- Could Pharmacy Technicians partner Nurses to prepare, second check IV medicines for administration?
- Does the introduction of a Checklist for the IV medicine process improve patient safety?
- Could this be the start of a defined clinical support role for Pharmacy Technicians?

