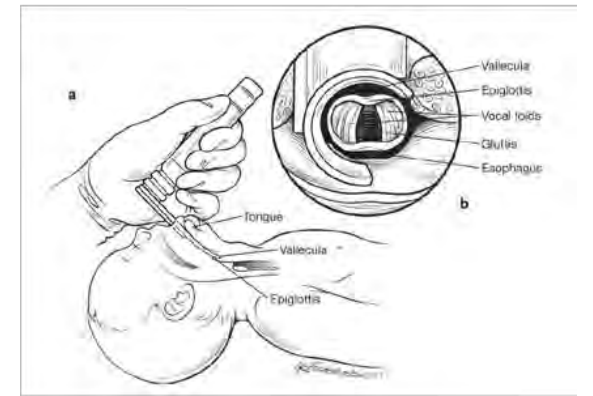
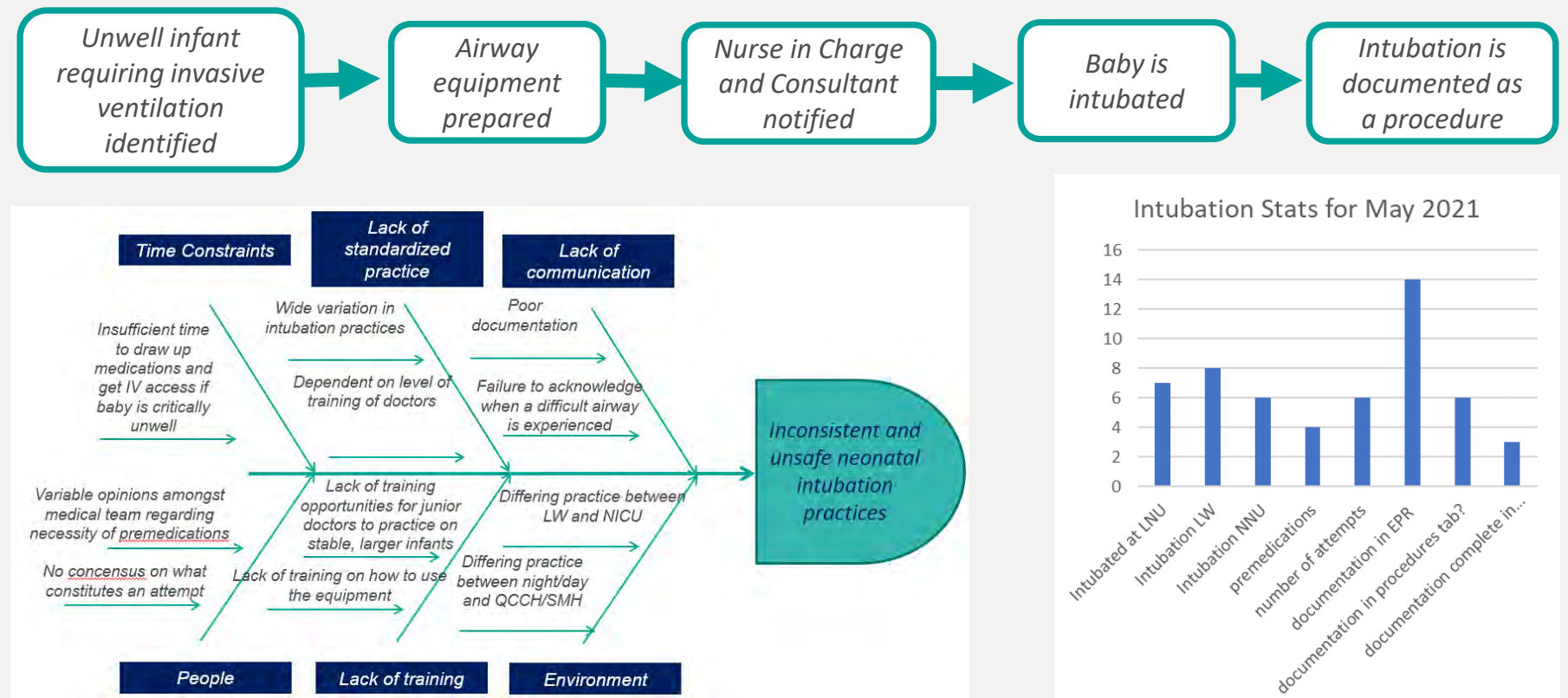




PROBLEM STATEMENT

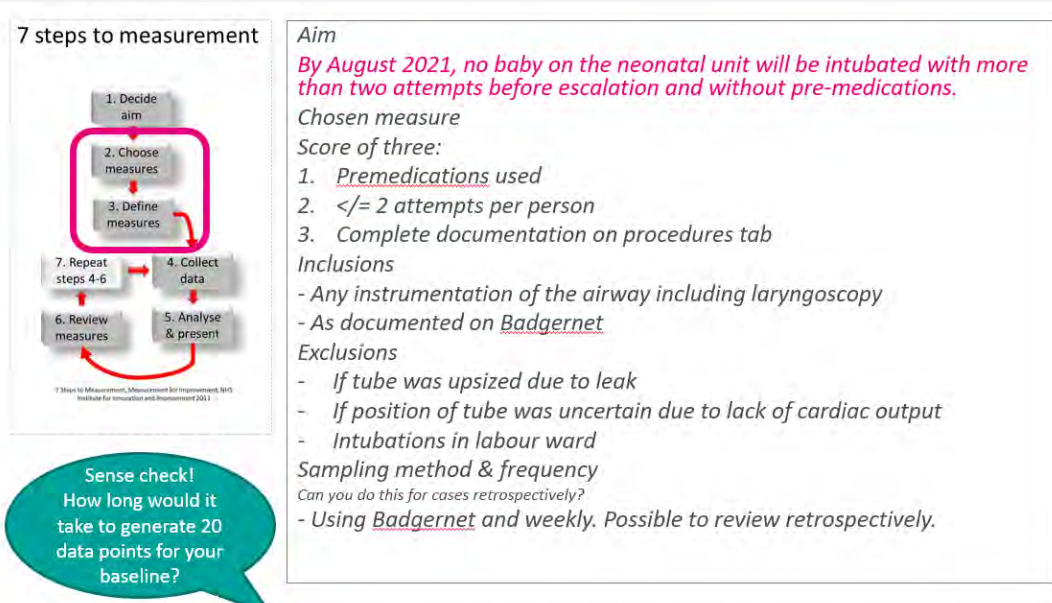
Intubation for invasive ventilation in critically unwell neonates without standardised protocol or escalation plan leads to patient morbidity and mortality.

DIAGNOSTICS



AIM & MEASUREMENT DEFINITION

Aim: By August 2021, no baby on the neonatal unit will be intubated with more than two attempts before escalation and without pre-medications.



CHANGE IDEAS

- Pre-printed prescription charts with pre-meds dosing on
- Print pre-medications on a sticker that can be stuck on and dose banding circled.
- **Intubation checklist on the airway trolley**
- Difficult airway checklist/poster/sticker on the airway trolley and around the NICU.
- Scribe made mandatory at each intubation procedure on NICU to make note of timings
- **Reminder of the week to document all intubation procedures**
- Difficult airway stickers by patients bedsides
- SIM on difficult airway for the group.

PDSA cycles

Change idea	
ONE thing to test	Reminder of the week to document all intubation procedures
What to do	Send out a group message reminding all junior doctors to document intubations, use premedication and to escalate after 2 attempts.
When to do it	First week of August 2021
Where to do it	On the Neonatal Unit – virtually via social media
Who to do it	Myself
Predict outcome	Increase in rates of documentation and premedication use
Data to collect	Rates of documentation, pre-medication use and number of attempts per staff grade.

Change idea (summary)	Virtual reminder on best intubation practice
Do	I sent out a message on Whatsapp messenger as a reminder to all the junior doctors on the neonatal unit to document their intubations in Badgernet, use pre-medications in semi-elective intubations as well as to escalate to a senior doctor after 2 unsuccessful attempts.
Study	The intubations on the neonatal unit were scored out of 3, with one point each for: using pre-medications, not more than 2 attempts per person, and documenting fully. The average score pre-reminder was 1.72 and the average score post reminder increased to 2.16.
Act	Next steps..... Continue to send out reminders but in different formats: - As a learning point from the SI report - As part of the unit weekly reminders - Create a Intubation Checklist to be used prior to intubation on the neonatal unit.
Abandon ☐	
Again ☐	
Adapt ☐	
Adopt ☐	
Extend ☐	

Continue to send out reminders:

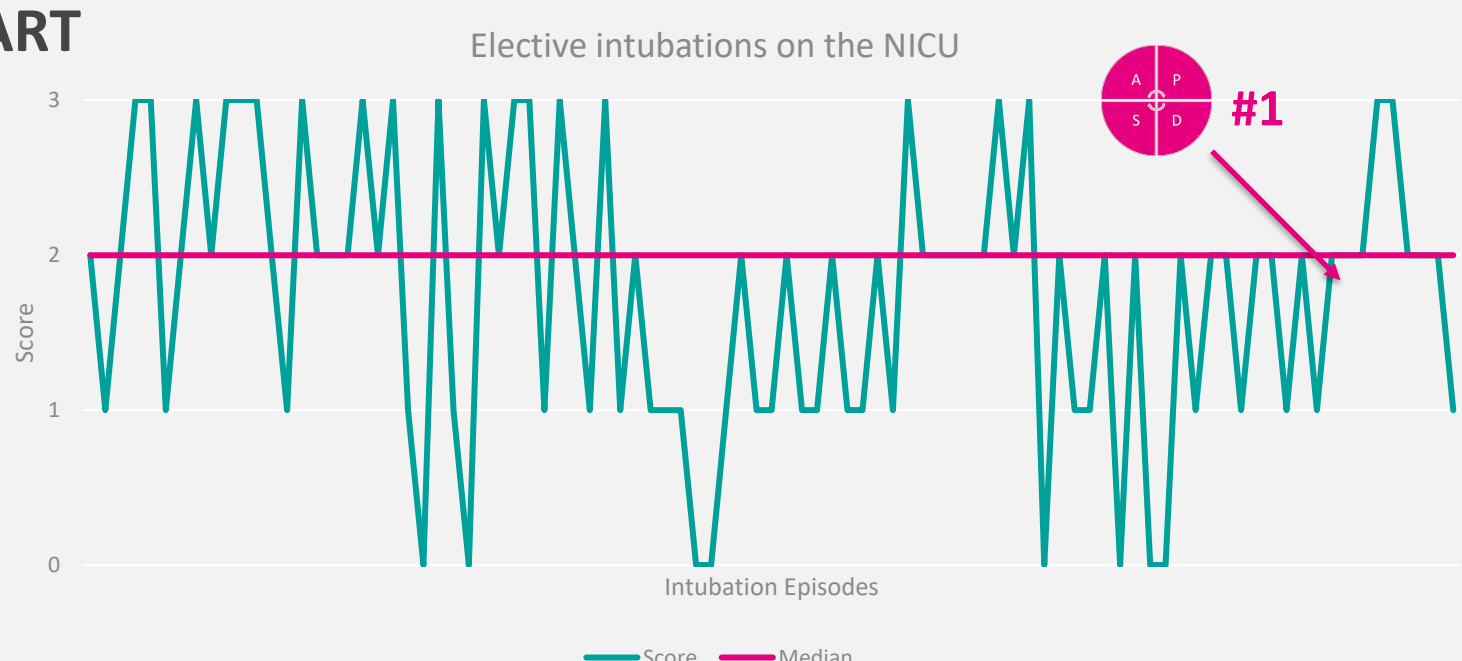
- As a learning point from the SI report.
- As part of the unit weekly reminders

Reminder of best intubation practice

The average score pre-reminder was 1.72 and the average score post reminder increased to 2.16.

Message sent out on WhatsApp messenger to all junior doctors

RUN CHART



REFLECTIONS & LEARNING

