

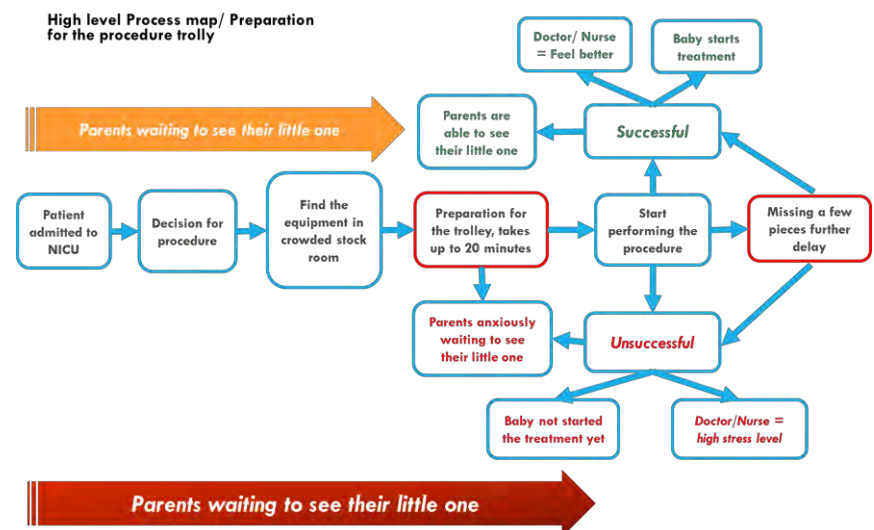


BACKGROUND

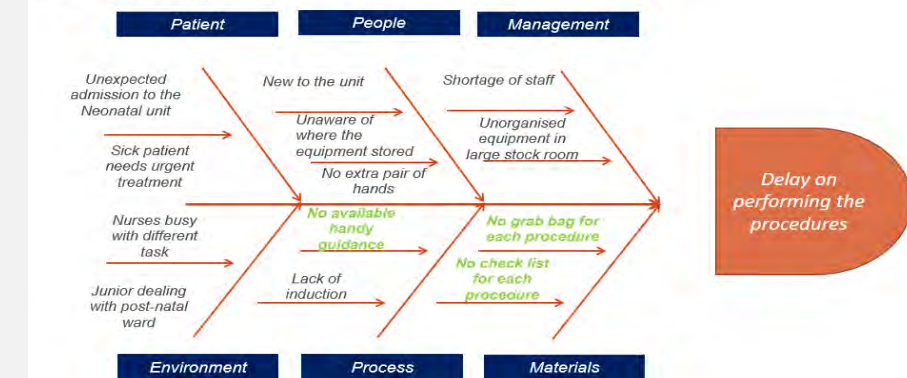
The procedure trolley is poorly organised and not stocked properly. This often leads to a delay in starting the treatment for babies and causes stress amongst the staff & parents.



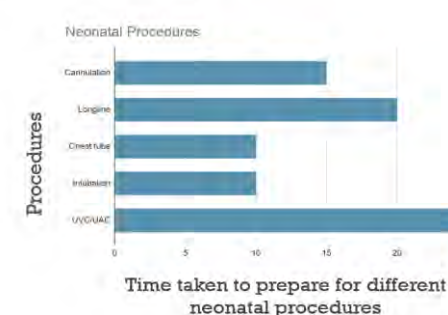
DIAGNOSTICS



Fishbone diagram



Bar chart Neonatal Procedures



AIM & MEASUREMENT DEFINITION

Aim

Reduce the time taken to prepare the trolley for Umbilical catheterisation by March 2023 to 50% less

Chosen measure

Identify the time required from starting to finishing the preparation for the umbilical catheterisation.

Inclusions

All doctors/ANPs performing the UVC/UAC within the neonatal unit at St Helier Hospital

Exclusions

Nil

Sampling method and frequency:

I will use a single test by asking the neonatal doctors/ ANPs to collect the equipment from the stock room and prepare the trolley for UVC/UAC. I will use the stopwatch for each participant to identify the time required for preparation.

CHANGE IDEAS

- Educate clinicians on location of items in stock room
- Labelling the umbilical catheterisation equipment clearly inside the stock room
- Create an introductory video to help facilitate the collection process
- Provide a grab bag that includes all the equipment required

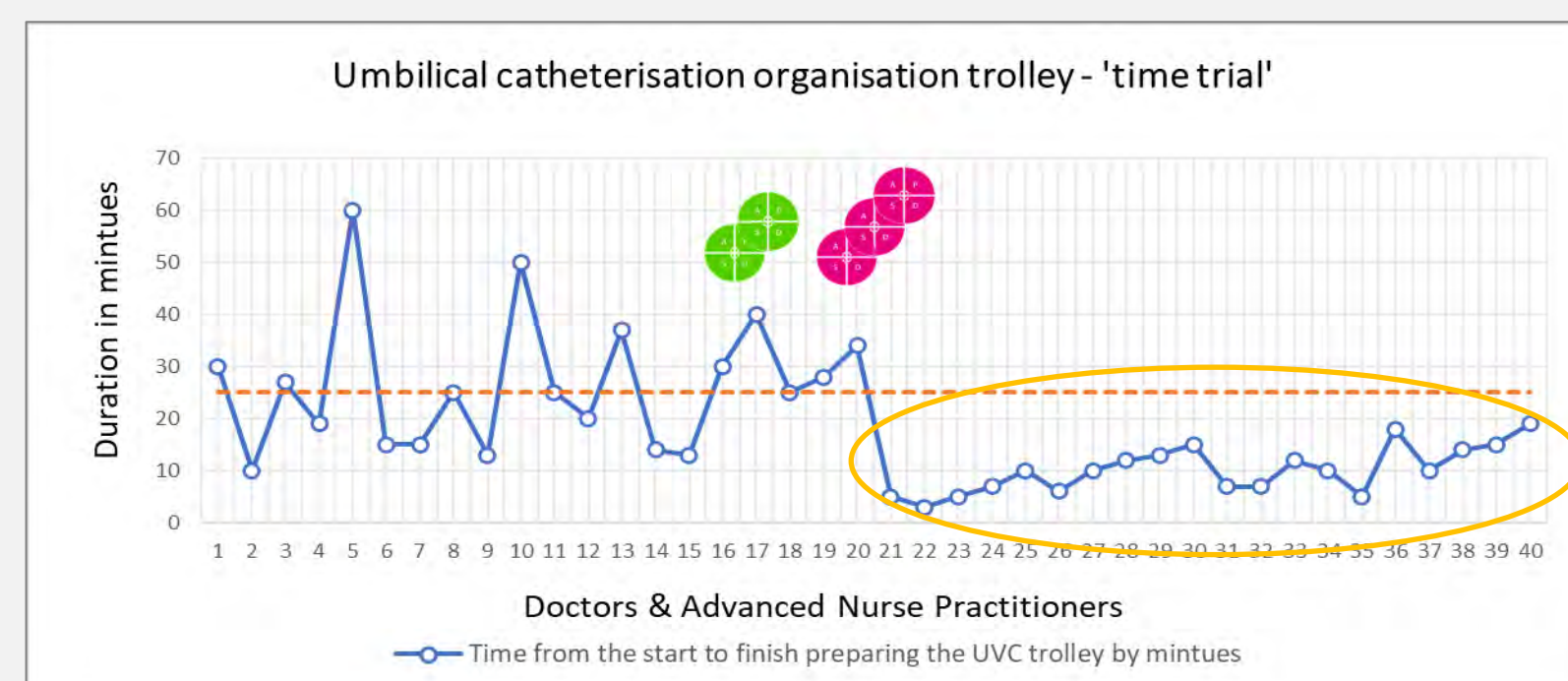
PDSA cycles

PDSA Test #	PLAN	Do	STUDY	ACT
1.1	Record a video for the doctors to watch at any time before doing the UVC	Sent out a survey to my colleagues via WhatsApp, asking about their preferences and quick way of learning and memorising the equipment before performing the procedures. The preferences from most of the doctors were to provide photos rather than videos as it is easy to review and memorise	Video not the answer – photos preferred The plan did not go forward. I was planning to	Take photos instead
1.2	Collection of pictures to guide clinicians on steps of umbilical catheterisation and where to locate items required	Take pictures of the steps involved in collecting items for umbilical catheterisation. As I started to take pictures, I was informed by the team that the trust already had a pictorial guide for umbilical catheterisation on the intranet	My efforts would duplicate the guide – so no point in proceeding.	Abandon

PDSA Test #	PLAN	Do	STUDY	ACT
2.1	Prepare the procedure kits for umbilical catheterisation and make them ready to use.	The healthcare assistant requested the ready kits and the unit provided the UVC kits	Kits available for team to use	Adapt
2.2	Announce availability of UVC kits to team	Seek feedback from team via WhatsApp group Time to start procedures	Time to start procedures on test decreased significantly	
2.3	Consider having this information entered as part of neonatal induction	ANNP promoted and announced the umbilical catheterisation-ready kits to the new doctors who joined the unit on March 23		



RUN CHART



REFLECTIONS & LEARNING

The run chart clearly shows a sustained improvement in performance in time trials of trolley preparation below the median baseline of 25 minutes. The range reduced from between 10-60 minutes to 3-20 minutes with an associated reduction in the median time.

Always start with small projects

Sharing your learning is essential to make the change

Always look for additional reflections and ideas from colleagues and adapt accordingly

Accepting failure is the first steps to success