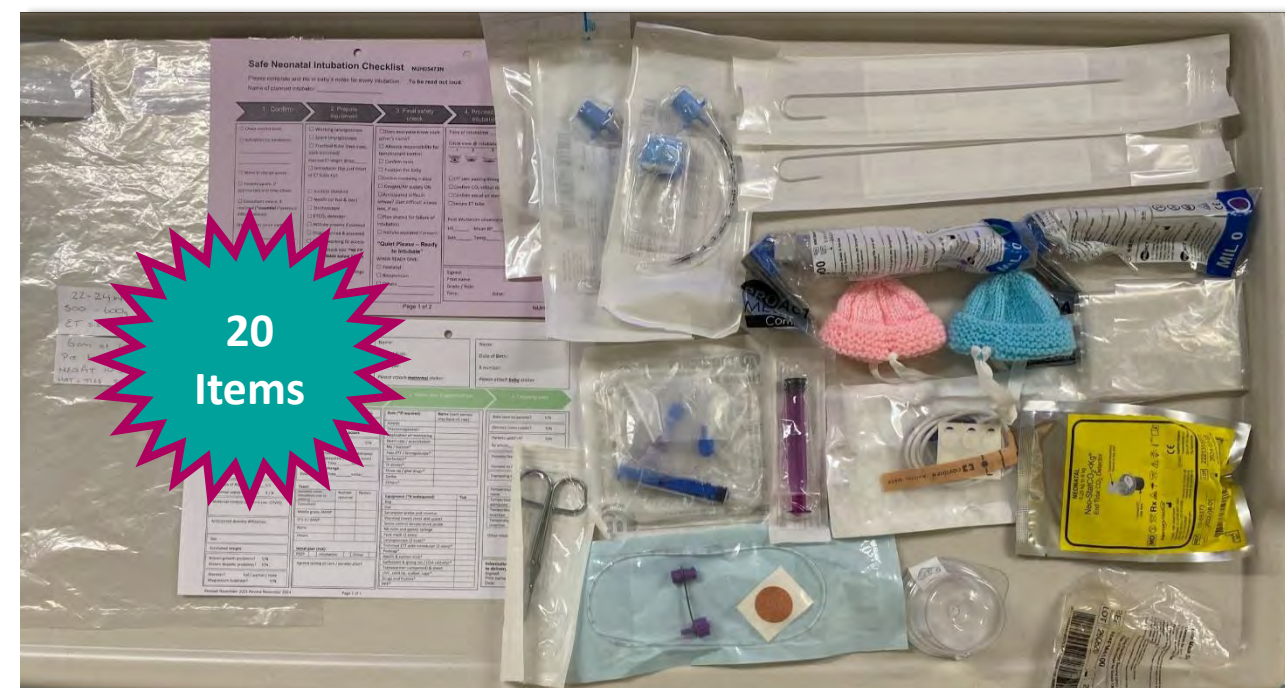


Pre-made Grab-bags for Deliveries of Premature Babies

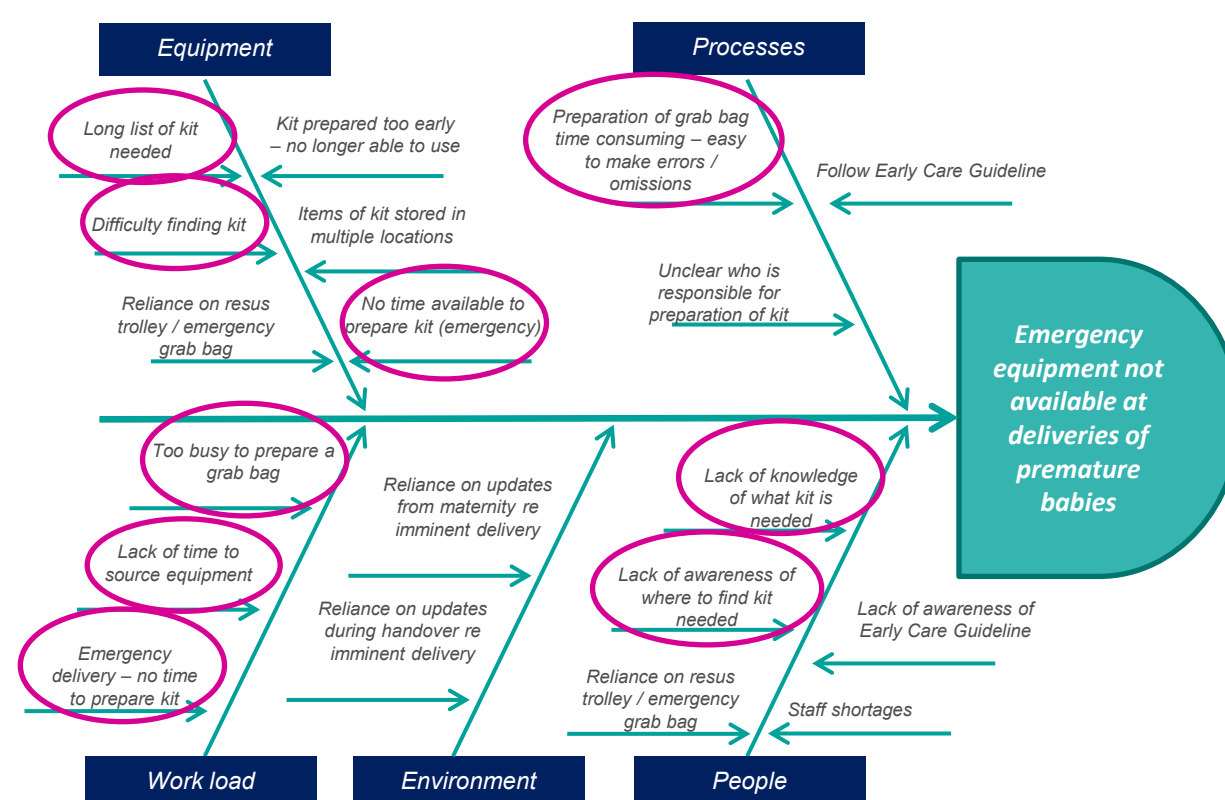
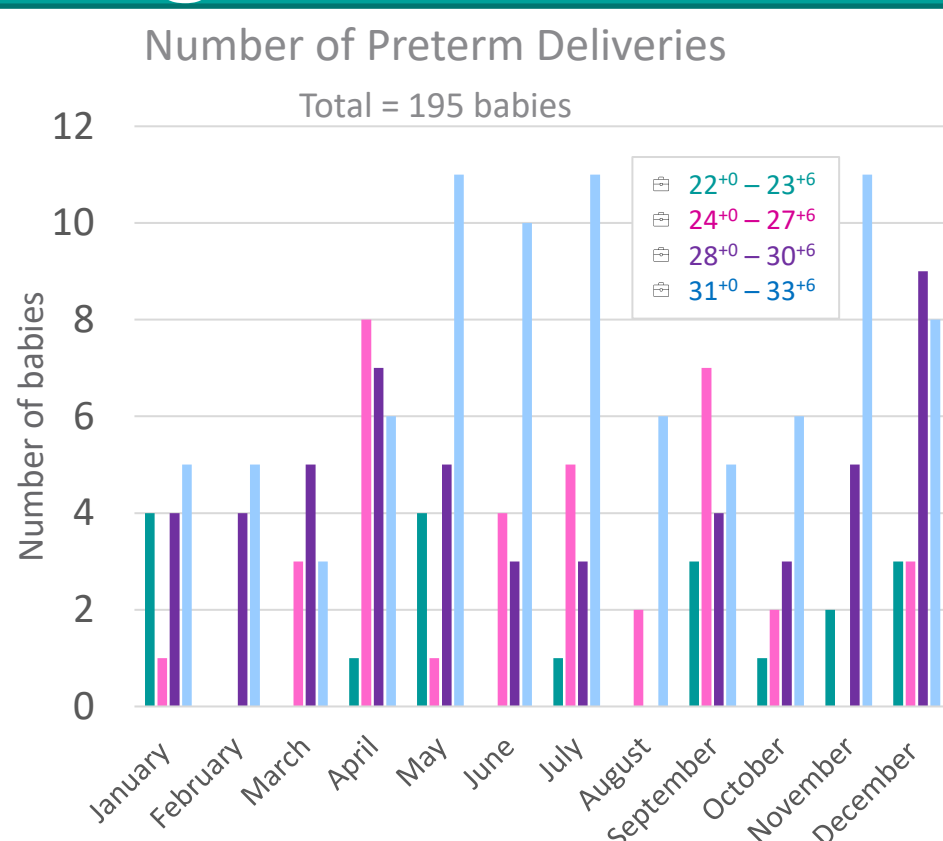
Leanne Dearman; Neonatal Unit, Nottingham University Hospitals

Problem

*Premature babies are often delivered as emergencies.
Assembling essential equipment takes time and energy.
When kit is not found or forgotten it can make the
situation far more stressful.*



Diagnostics



Aim

From February 2023
the neonatal team will
have the correct and
appropriate
equipment available
for deliveries of
premature babies

Change Ideas

Sealed pre-made grab-bags

- Appropriate equipment available when needed

Seal on bag to be dated

- Equipment that expires first
- Bag seal and contents to be checked weekly by doctors

If bag opened

- Medical team to restock
- Knowledge of equipment needed in an emergency

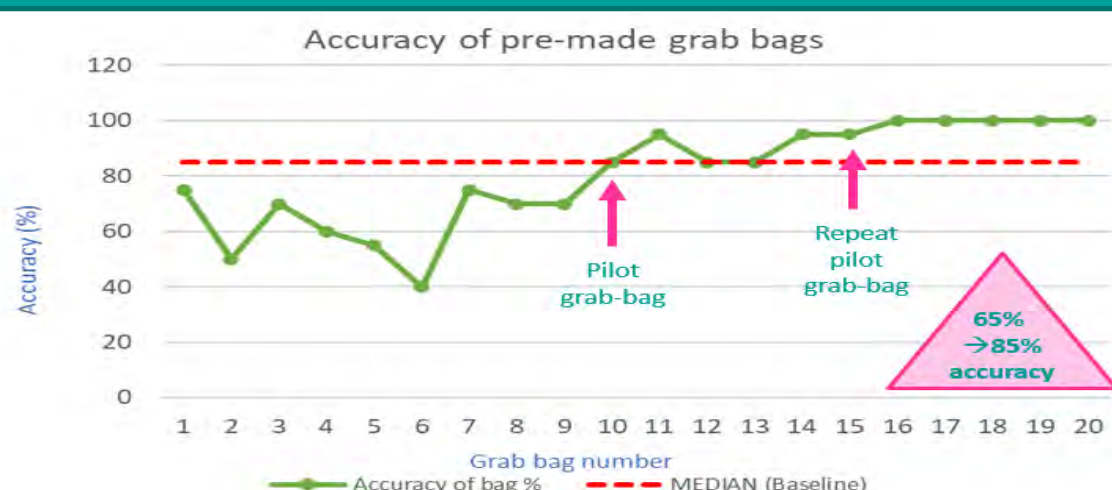
Information on/in bag

- Equipment checklist
- Estimated weight / ET size / ET length / length at lips
- Pre-brief form and intubation checklist

PDSA Cycles

PDSA	PLAN	Do	STUDY	ACT
1	Obtain information on use and confidence in using pre-made grab bags	Send questionnaire to most recent NNU trainees	Send short questionnaire (6 yes/no questions)	Monitor current grab bag set up
2	Check contents of temporary grab bag prepared against a predefined checklist	Check contents of temporary grab bags to assess accuracy	Check contents of pre-made grab bags against predefined checklist - 2 sites over 1 month	Introduce sealed pilot grab bag, involve stakeholders
3	Check contents of pilot grab bags prepared against a predefined checklist	Check contents of pilot grab bags to assess accuracy	Check contents of pre-made grab bags against predefined checklist – 2 sites over 1 month	Adapt contents and data on bag as guided by feedback
4	Feedback from team involved in making up and using grab bags	Send questionnaire to trainees	Review responses from questionnaire	Adapt pilot grab bag according to feedback
5	Re-pilot updated grab bags	Check contents of pilot grab bags to assess accuracy and obtain feedback	Check contents of pre-made grab bags against checklist – 2 sites, 1 month with feedback	Apply for funding for formal grab bags & temp probes

Results



- Overwhelming positive feedback → reduced stress
- Improving accuracy of equipment from 40% → 100%

Learning

- Importance of involving stakeholders → ongoing education overcome resistance
- Benefit of fishbone diagrams, high level process maps and histograms to explore current problem and how pre-made bag would overcome – ↑accuracy & ↓stress
- Applying for funding for sealable bags