



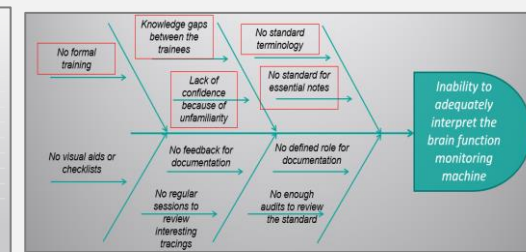
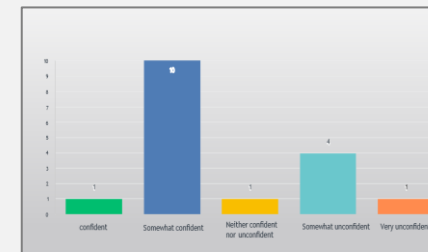
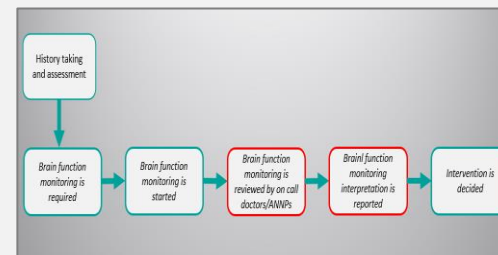
Most of doctors and advanced nurse practitioners in our neonatal unit are not entirely confident in interpreting and reporting the brain electrical monitoring trace of babies. This compromised their safety.

BACKGROUND

Brain electrical monitoring has been significantly increased in use in cases of newborn babies with abnormal brain function. Brain function monitoring (also known as Cerebral Function Monitoring or CFM) interpretations are performed by on-call staff with a range of interpretation abilities.

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DIAGNOSTICS



AIM & MEASURE

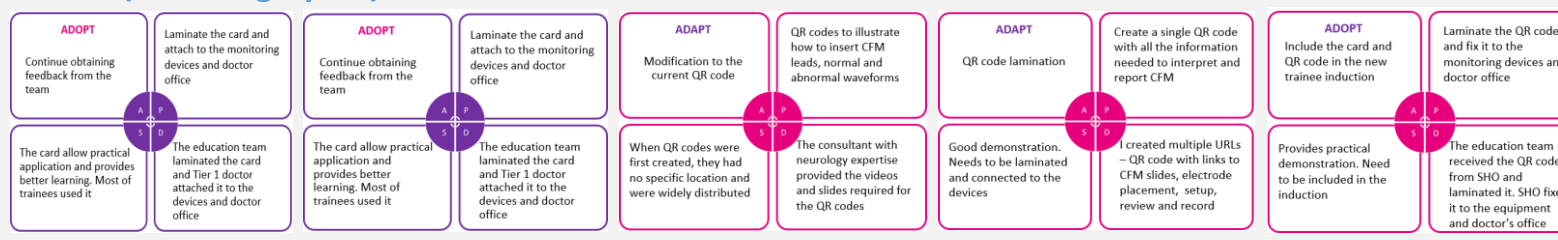
Aim: By end of March 2024, at least 50% of babies on CFM machines will receive a daily adequate and reported interpretation of their brain function monitoring traces

Chosen measure: Number of days brain function monitoring traces accurately interpreted and reported

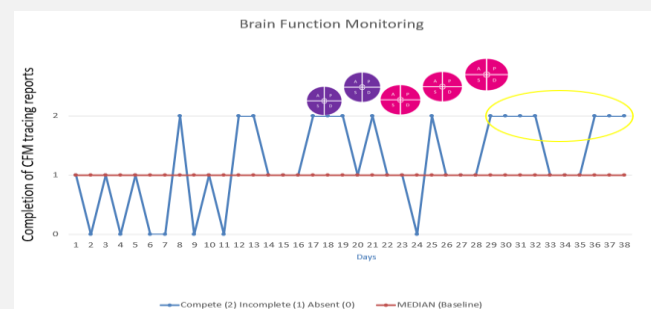
Inclusions : Doctors and ANNPs (tier1 and tier2)

Sampling method & frequency: Retrospective - Badger net & CFM machines

PDSAs (circular graphic)



RUN CHART



REFLECTIONS & LEARNING

- The increase in completed *daily adequate and reported interpretation of brain function monitoring traces* was statistically significant, as shown by a run of 7 data points above the median.
- The confidence in dealing with brain function monitoring has increased, as shown by the quality and quantity of CFM tracing reports.
- PDSA cycles provide a constructive framework for understanding how to begin, measure, and evaluate any change.
- The second phase would comprise induction for new trainees and a teaching module.

