

PDSA – Introductory tool for new members of the team

Neuroprotective measures QI. [REDACTED]

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Aim (overall goal for this project)			
Outstanding level of neuroprotective care provided in >90% of patients presenting with severe brain injury.			
Change idea			
Create an “Introductory tool for new members of the team” to make the induction process for new members of the QI team and data collection, more efficient and standardised.			
PDSA objective: Describe the objective for this PDSA cycle	Cycle No: 1	What questions do you want answered for this test of change?	
To explore the need for a tool aimed at improving efficiency and standardisation during induction and data collection, understand the contextual factors and potential barriers to its use, and identify appropriate methods to measure if it is an improvement.		Is the tool needed? How can the tool be optimised based on user feedback? How can we measure the efficiency and standardisation in a larger scale in a feasible way?	
Plan			
Predict what will happen when the test is carried out		Information you will gather to determine if prediction succeeds	
Key insights and qualitative data is gathered. A plan for scaling up is achieved.		Data leads to a clear, actionable plan for scale-up.	
List the tasks needed to set up this test of change	Person responsible	When to be done	Where to be done
<ul style="list-style-type: none">Analyse typical steps on induction process and which steps could be removedCreate the tool for inductionTest the tool with one member of the current teamModify toolSemi-structured interview to gain key insights, assess feasible methods for measuring efficiency and standardisation if scaled up	Melania	<div></div>	<div></div>
Do	Describe what happened when you ran the test		
Qualitative interview conducted. The tool was tested and demonstrated the following: <ul style="list-style-type: none">Potential to improve efficiency by reducing induction steps, thereby saving time and effort.Potential to enhance standardisation by clarifying terminology, as reflected in increased user confidence during data collection. Feedback gathered led to suggested modifications to the tool.			

Feasibility of measuring improvement on a larger scale was assessed, and a survey was designed accordingly. An actionable plan for scale-up was discussed, and a proposed timeline was developed.	
Study	Describe the results and how they compared to the predictions
As predicted, the interview gave key insights, showed the potential for improving efficiency by reducing steps (and consequentially time and effort). Likewise, the tool showed the potential for improving standardisation, however some methods to measure improvement were deemed not feasible (e.g. measuring exact duration of induction, quantifying errors due to lack of standardisation on terms). A plan could be achieved.	
Act	Describe what modifications in the plan will be made for the next cycle from what you learned
The tool was refined in both design and content based on feedback from the initial cycle. A survey has been developed to capture the subjective experiences of team members during data collection—focusing on their understanding of parameters, ease of accessing documentation, and how quickly they felt confident after joining the project. This survey will be administered retrospectively to previous team members and prospectively to new members joining in August. The updated tool and implementation plan will be presented to Consultants as part of the second PDSA cycle, aiming for further refinement prior to full-scale application.	