



Introduction of Neuro Technologists' Preliminary Reporting



Singapore Healthcare Management 2024

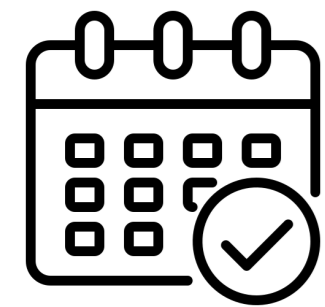
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INTRODUCTION

Reporting of Nerve Conduction Studies traditionally done by accredited Neurologists

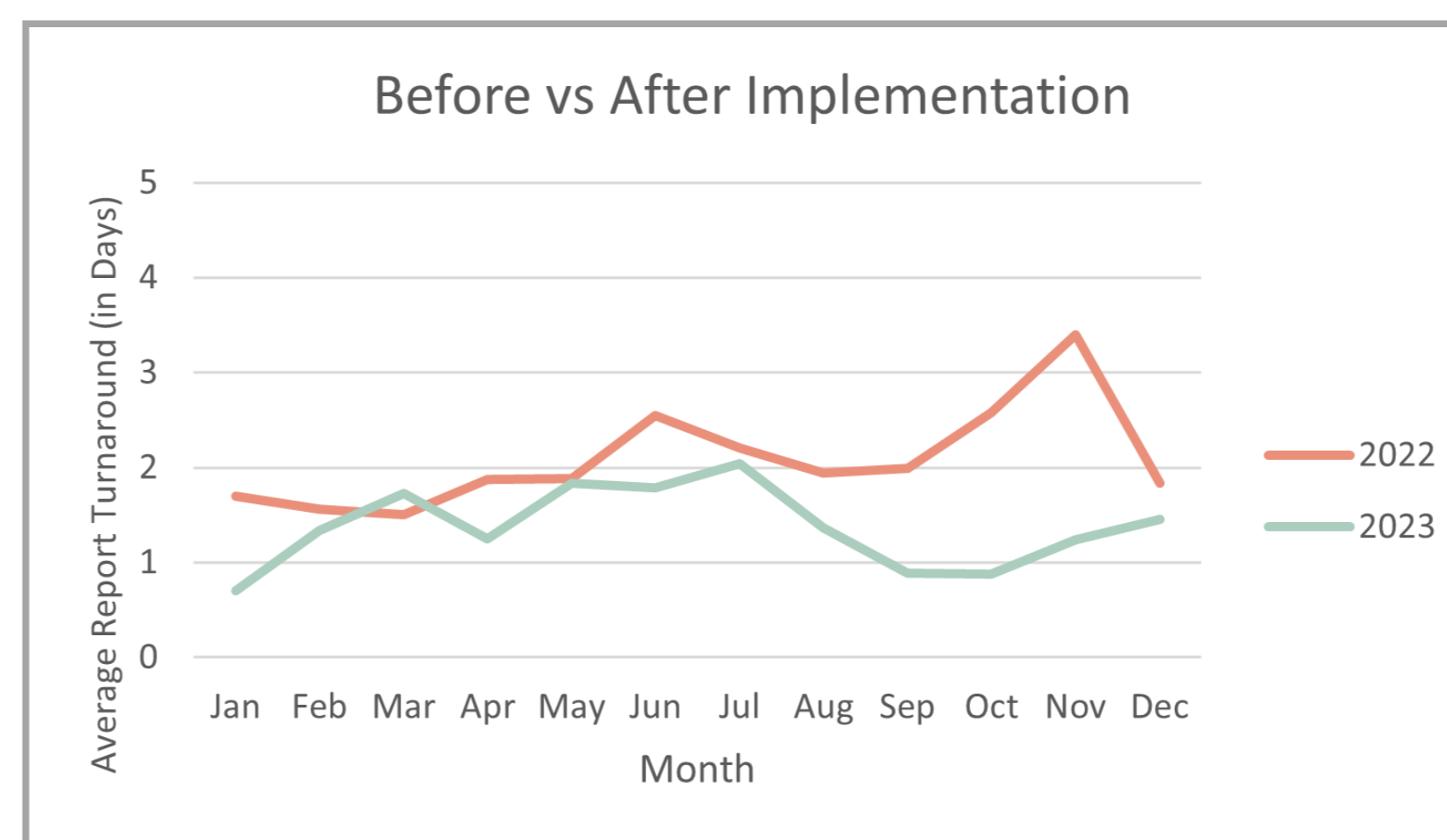
Patients have to book further appointment for clinic review and treatment

Increase in workload = Longer time spent on reporting by Neurologists = Increase in report turnaround time

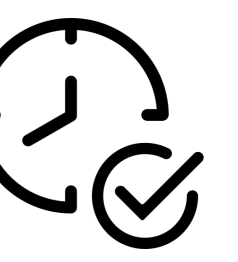


RESULTS

Technologists reported a total of **968** preliminary reports which makes up about **59.68%** of all reports in 2023



Average report turnaround time dropped by at least 2 days = **17.18% improvement**



Assuming Neurologists take an average of 10 minutes to write each report, a total of **161.33 hours of Neurologists' time was saved**

Manpower savings: **\$53,159**

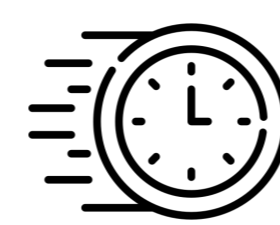
AIM

Reduce patient's wait time for next TCU

Increase Neurologists' and Technologists' work satisfaction

Reduce report turnaround time and time wasted on reporting delays

Save Neurologists' time = can focus on other clinical duties



Neuro Technologists

With this initiative, they feel that their result interpretation **skills have improved**

100% of them feel a **stronger sense of achievement and satisfaction** when their reports are in concordance with the Neurologists

Neurologists

Neurologists find the **prelim reporting timely** and take a shorter period of time when just vetting reports as compared to preparing the full report themselves

75% of Neurologists also feel that there are **lesser amendments to be made** for the reports with the Technologists' preliminary reporting



WORKFLOW & METHODOLOGY

Before implementation, Technologists underwent training for 1 month with the Neurologists to clarify doubts and standardise reporting terminology. Teaching sessions were also organised for in depth analysis of rare and interesting cases.

Before



Neurologist on duty prepares report amidst other clinical duties



Senior Technologists checks through final report and releases it into SCM

2

After



Technologist prepares preliminary report after performing Nerve Conduction Study



Neurologist on duty vets through report and approves/amend if necessary



Senior Technologists checks through final report and releases it into SCM

3

Workload for 2022 (without preliminary reporting) and 2023 (with preliminary reporting) was reviewed and analysed



Tabulated and analyzed feedback collected from Neuro Technologists and Neurologists 1 year after initiative via a 5-question survey



CONCLUSION

The introduction of Neuro Technologists preliminary reporting was well-received by the Neurologists. They were generally satisfied with the amount of time saved on reporting as they now have extra time to dedicate to their other clinical duties.

This opportunity allowed our Neuro Technologists to practise at the top of their license. It also served as a great learning opportunity and had substantial educational benefits, providing the Technologists with a platform to build on their confidence in interpreting and reporting electrodiagnostic test findings.

All in all, this initiative allows for stronger collaboration between the Neuro Technologists and the Neurologists.

ACKNOWLEDGEMENT

We would like to express our gratitude to our colleagues at Clinical Measurement Centre as well as Neurologists from National Neuroscience Institute (SGH campus) for the help rendered during this period.