National Quality Improvement Conference

Enhancing EEG electrode reprocessing for safety and efficiency

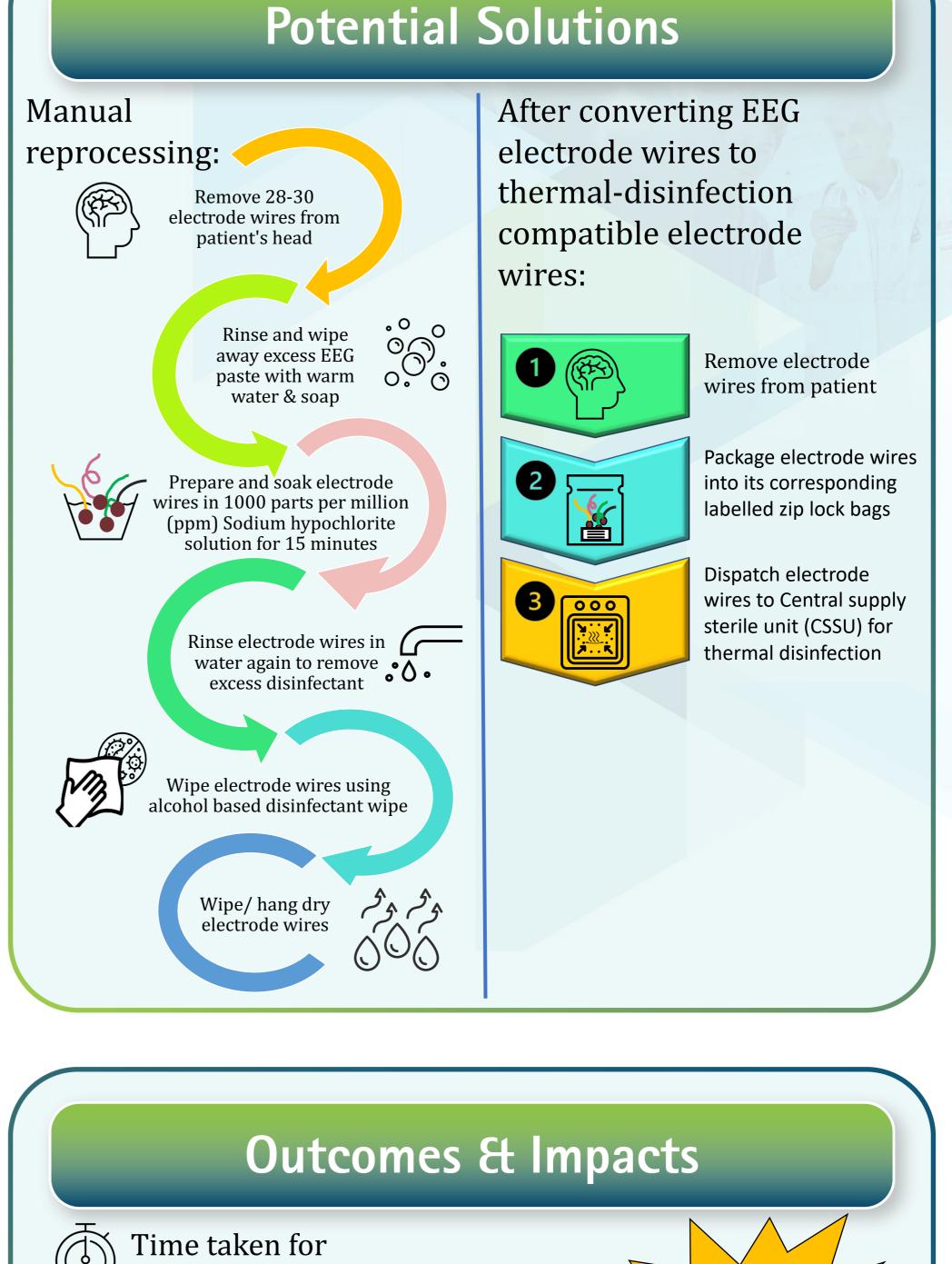
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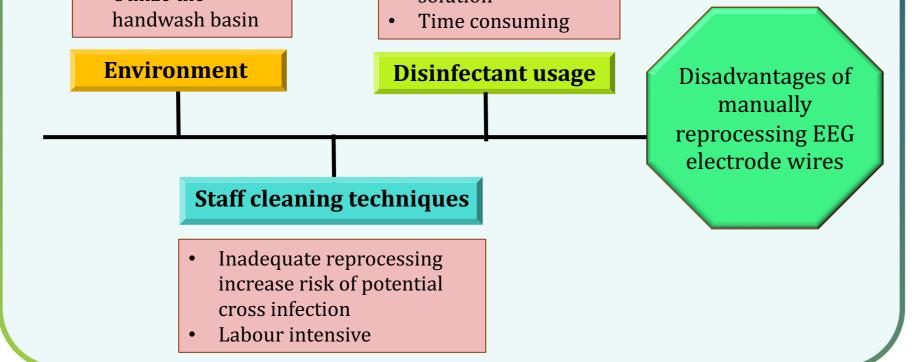
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Problem Statement

- Reprocessing and cleaning of electroencephalography (EEG) electrode wires is done manually by Neuro Technologists after each patient and is a labour intensive and time-consuming process.
- Performed in procedure room
- Utilize the
- Exposure to vapour from disinfectant solution



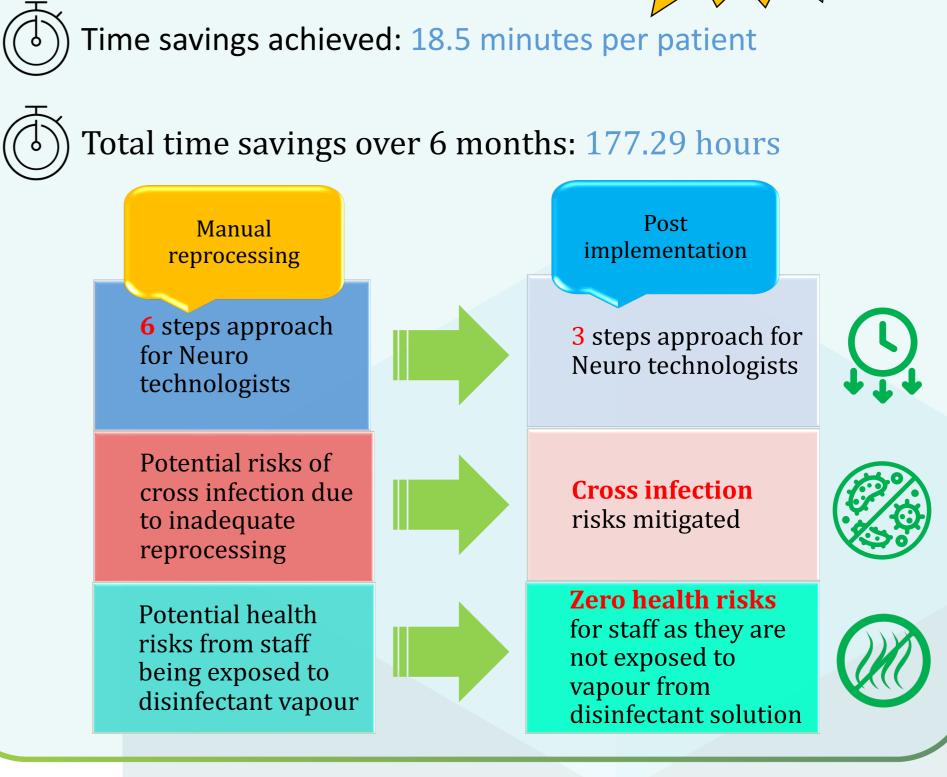


Project Aim

- To improve staff efficiency by reducing lacksquarethe time taken for reprocessing EEG electrode wires.
- To reduce risk of potential cross infection. ullet



- manual reprocessing: 20.0 minutes
- Time taken after
- new implementation: 1.5 minutes



90.2%

improvement in

efficiency

- 1. Tangled wires received may affect integrity of the electrode wires and poses as a challenge for CSSU colleagues to reprocess the wires
 - Electrode wires should be knotted properly at two ends before dispatching to CSSU. This helps to reduce complications resulting from tangled wires.
- 2. The reprocessing of electrode wires involves a specific time frame, and any potential delays could result in a situation where these electrode wires become temporarily unavailable for use
 - Schedule was discussed between CMC and CSSU and electrode wires are dispatched to CSSU twice daily to avoid such situations.