



Singapore Healthcare Management 2017

REDNESS NO MORE!

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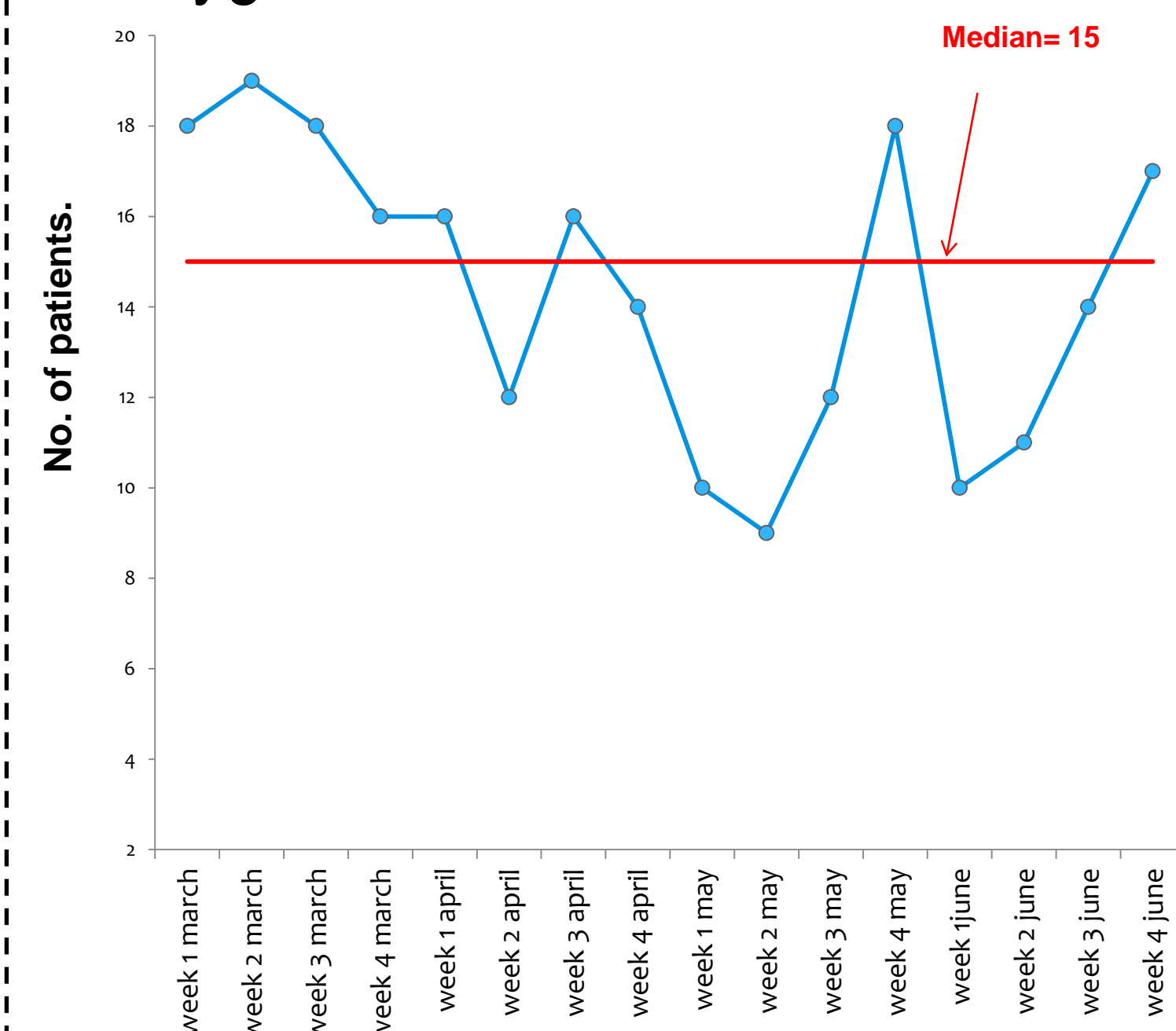


1) Introduction

- Ward 73 is an acute medical ward and department of Internal Medicine
- In collaboration with ward 63C and 54D
- Often, patients already presented with pressure injuries or develop pressure injuries in the ward
- Many staff are not aware that pressure injuries can also develop due to use of medical devices, especially oxygen devices
- Pressure injury stage I is often under reported in view that only pressure injuries stage II and above is raised through the Risk Management System (RMS).
- Pressure injuries are quick to develop. Prevention and awareness is crucial

2) Pre Implementation Data

No. of patients with stage I Pressure injuries of the ears related to oxygen devices in ward 73, ward 63C and ward 54D



Staff put gauze to protect patient's skin

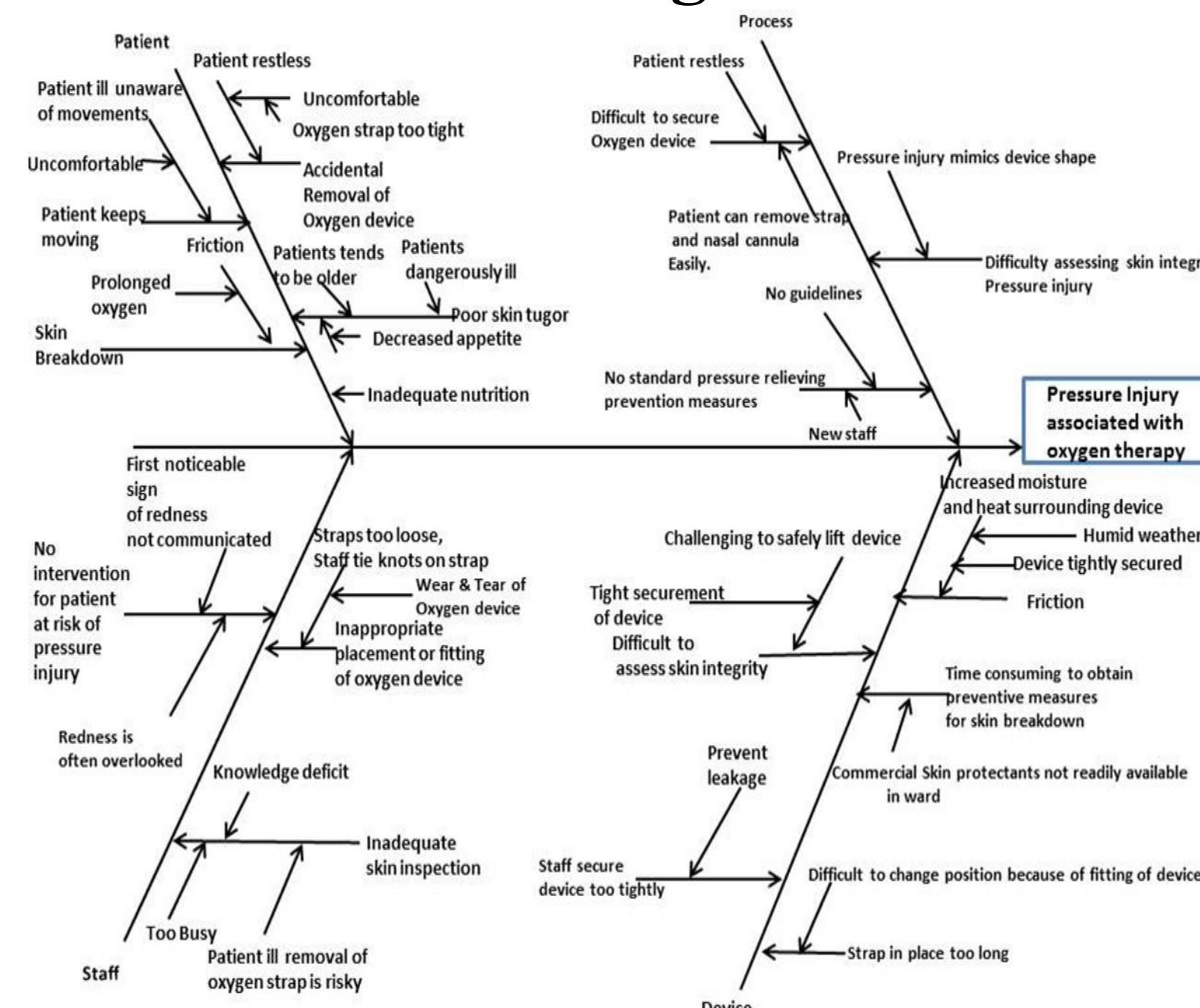
3) Mission Statement

To reduce the numbers of patients with pressure injuries stage I of the ears (caused by oxygen devices) by 30% in Medical Wards (ward 73, ward 63C and ward 54D) within 6 months.

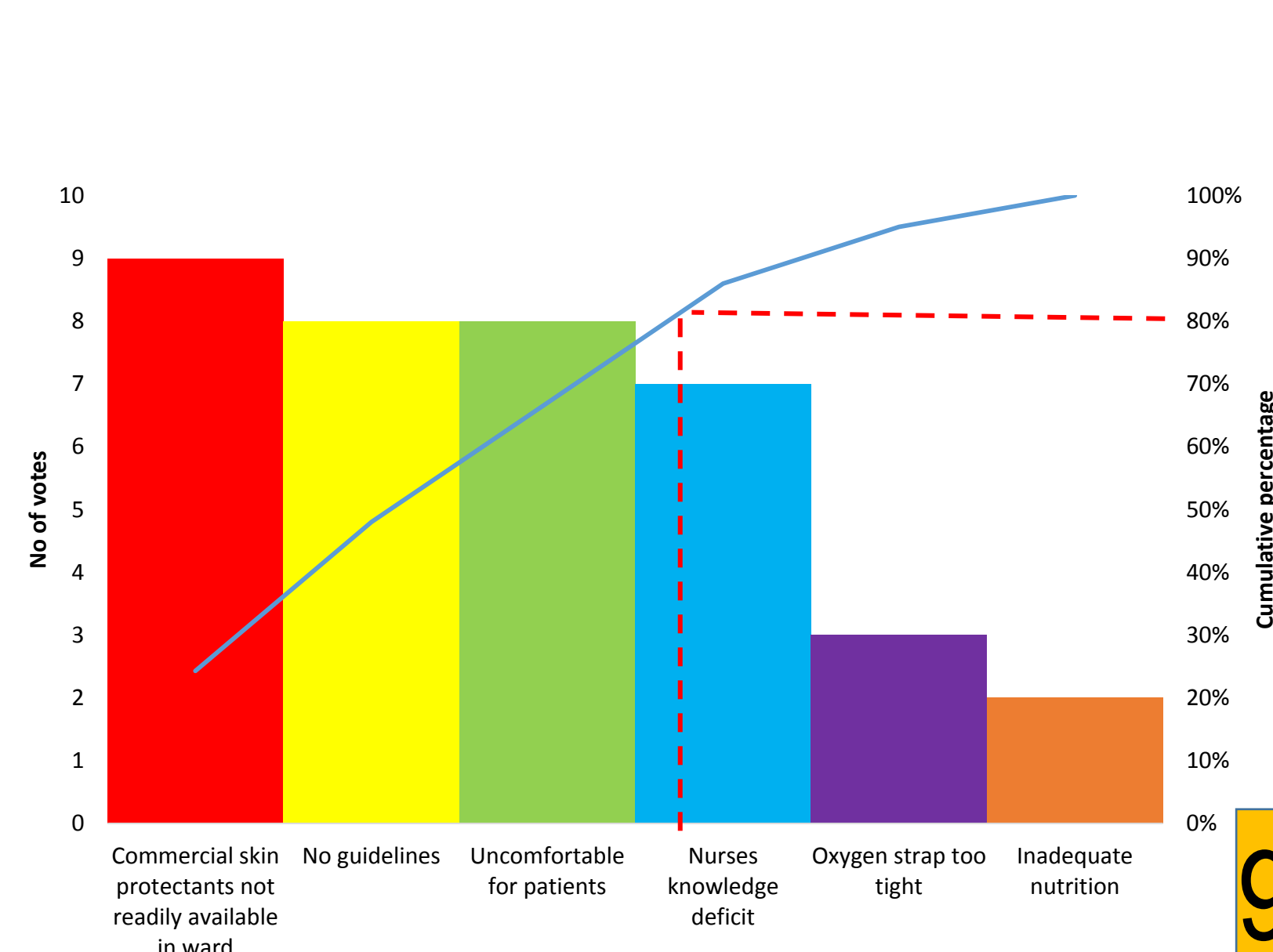
4) Methodology: Root Cause Analysis

Team used Cause and Effects Diagram. Multi-voted and then used a Pareto Chart.

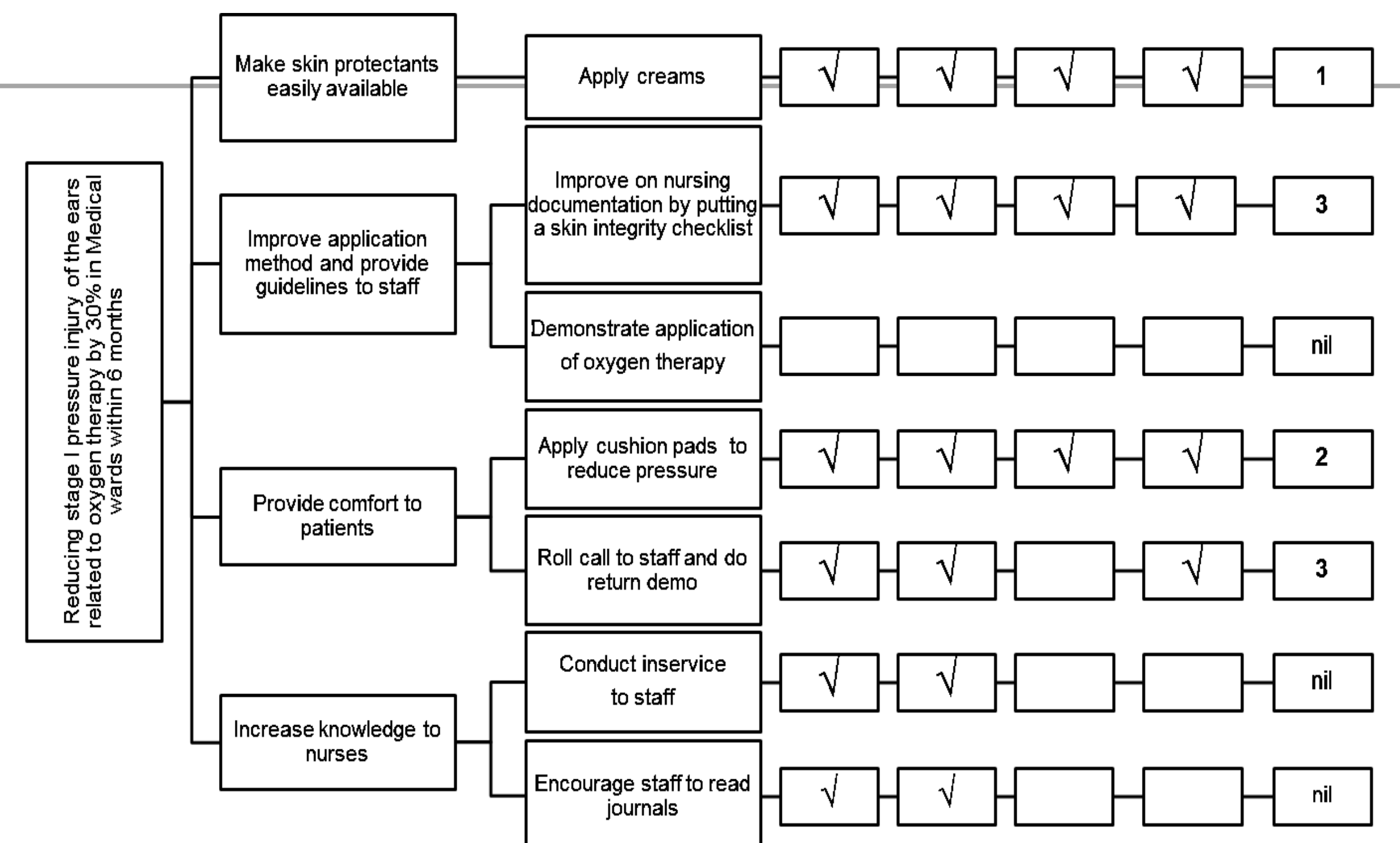
Cause and Effect Diagram



Pareto Chart

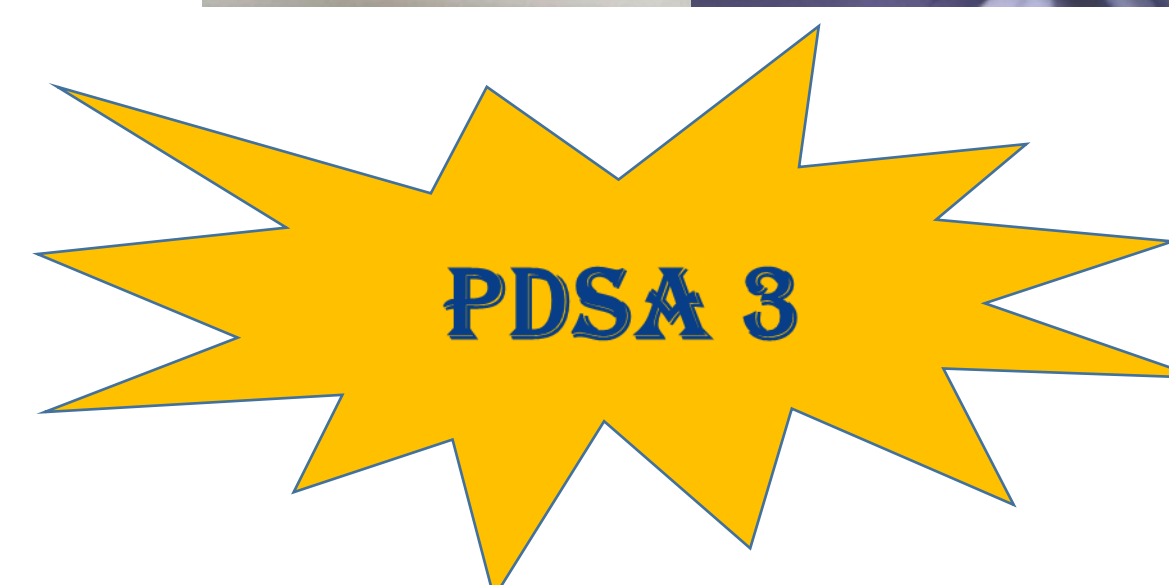


5) Methodology

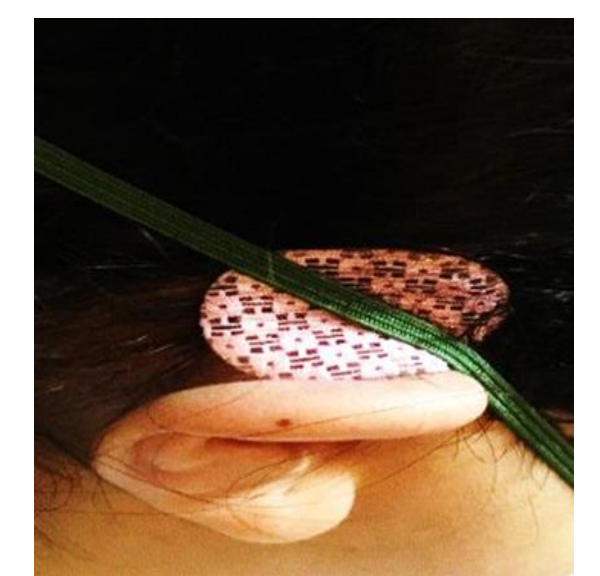
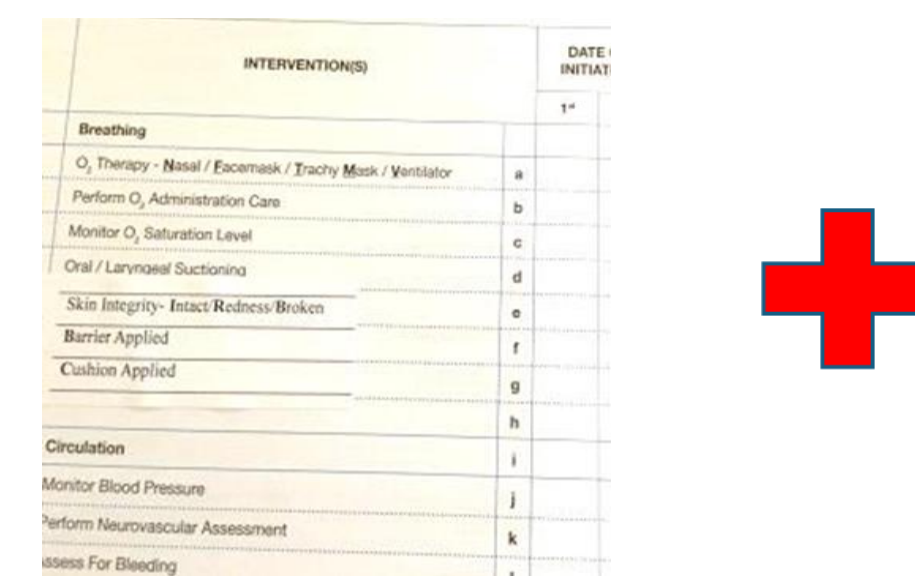


6) Solution Implementation

PDSA 1 * Barrier cream applied **PDSA 2** ❖ Cushion pads applied



❖ Simple template created, to monitor skin integrity.

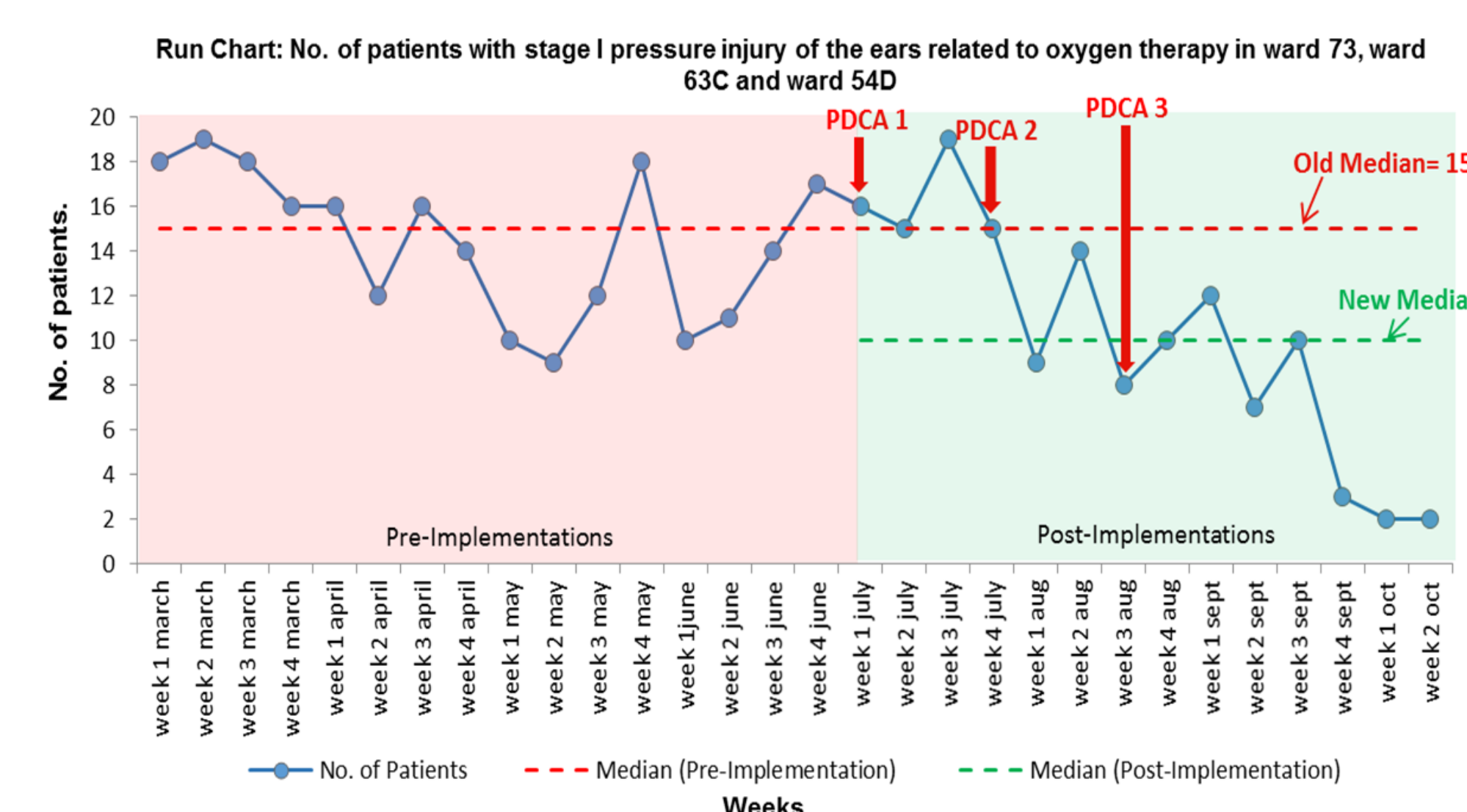


7) Result achieved

Tangible results: Potential cost savings

- * Dressing Materials
 - * Mepilex Lite (\$5.24) - Cushion Pads (\$0.25) = \$4.99 per change of dressing for patients with stage 1 pressure injury
- * Length of Stay
 - * Patient with acquired pressure injury (30 days) = \$35 936
 - * Patient without pressure injury (6 days) = \$6266
 - * Estimated Cost Savings= \$35936- \$6266= \$29 670

8) Post Implementation Data



9) Conclusion

The team is happy that we achieve to meet the target set. Most importantly, our project have significantly reduced the number of patients with pressure injuries stage I of the ears (caused by oxygen devices). Our team are driven to do more Quality Improvements projects to achieve Zero Harm to patients. Staff verbalized that they are happy with the new implementation.