

Reducing Medication Errors – A Tripartite Approach Small Steps – Better Outcomes

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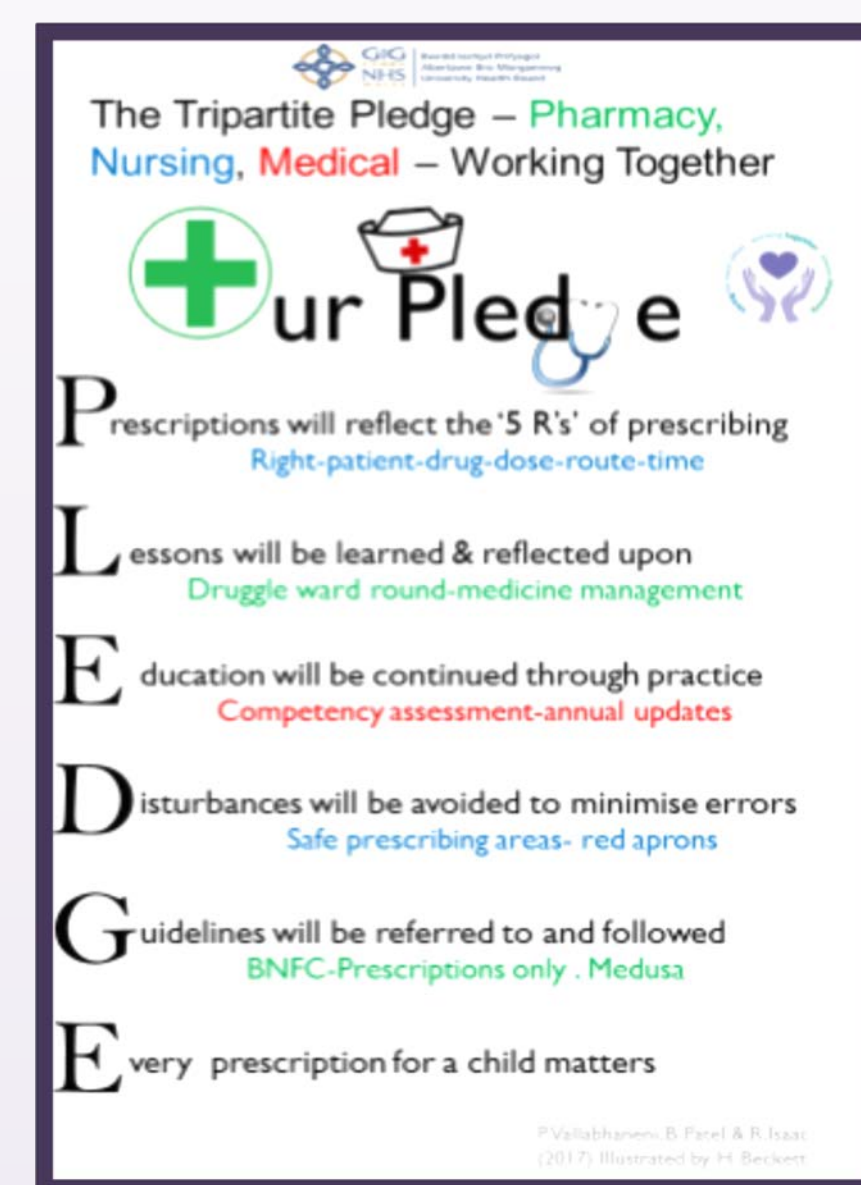
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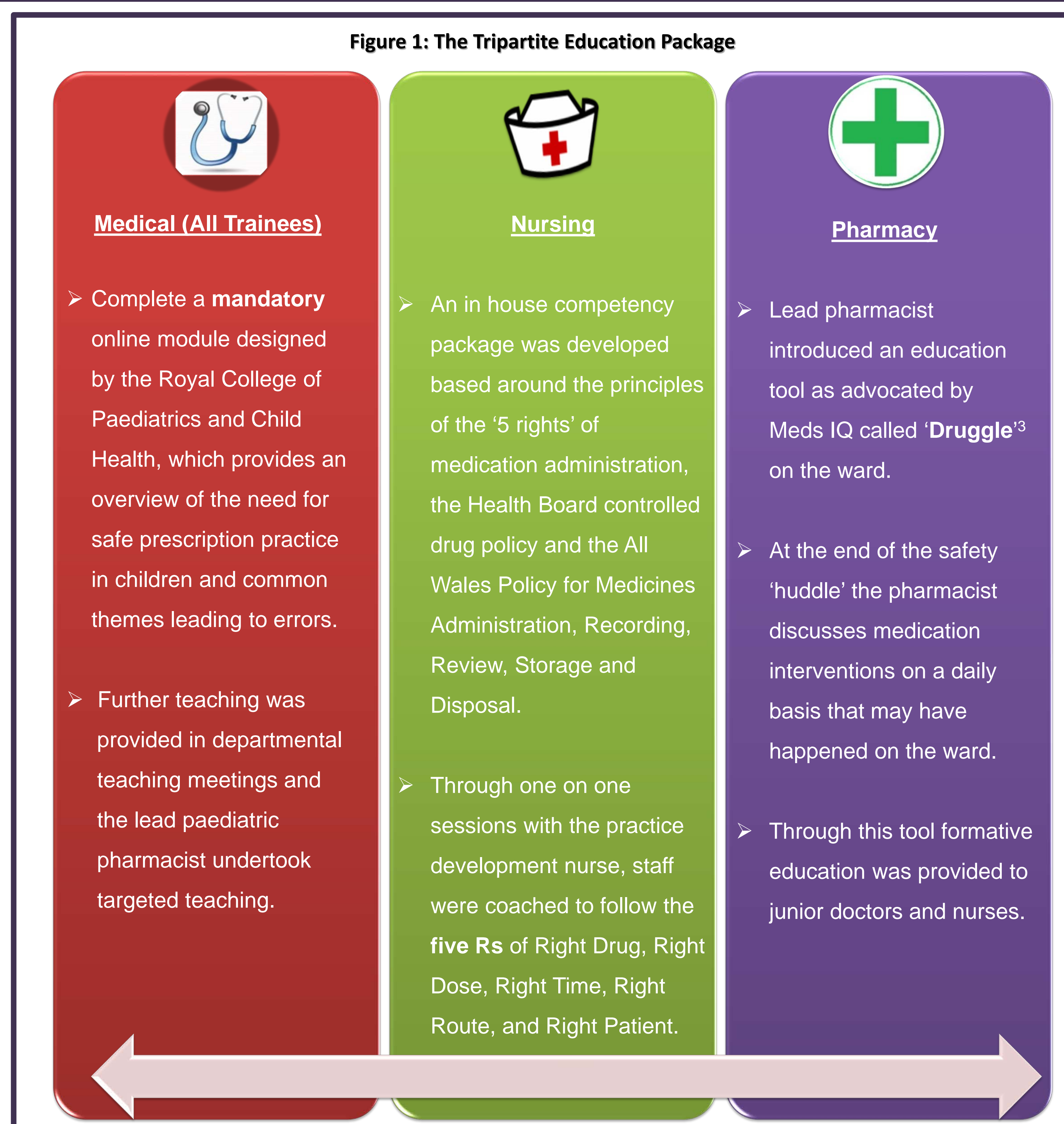
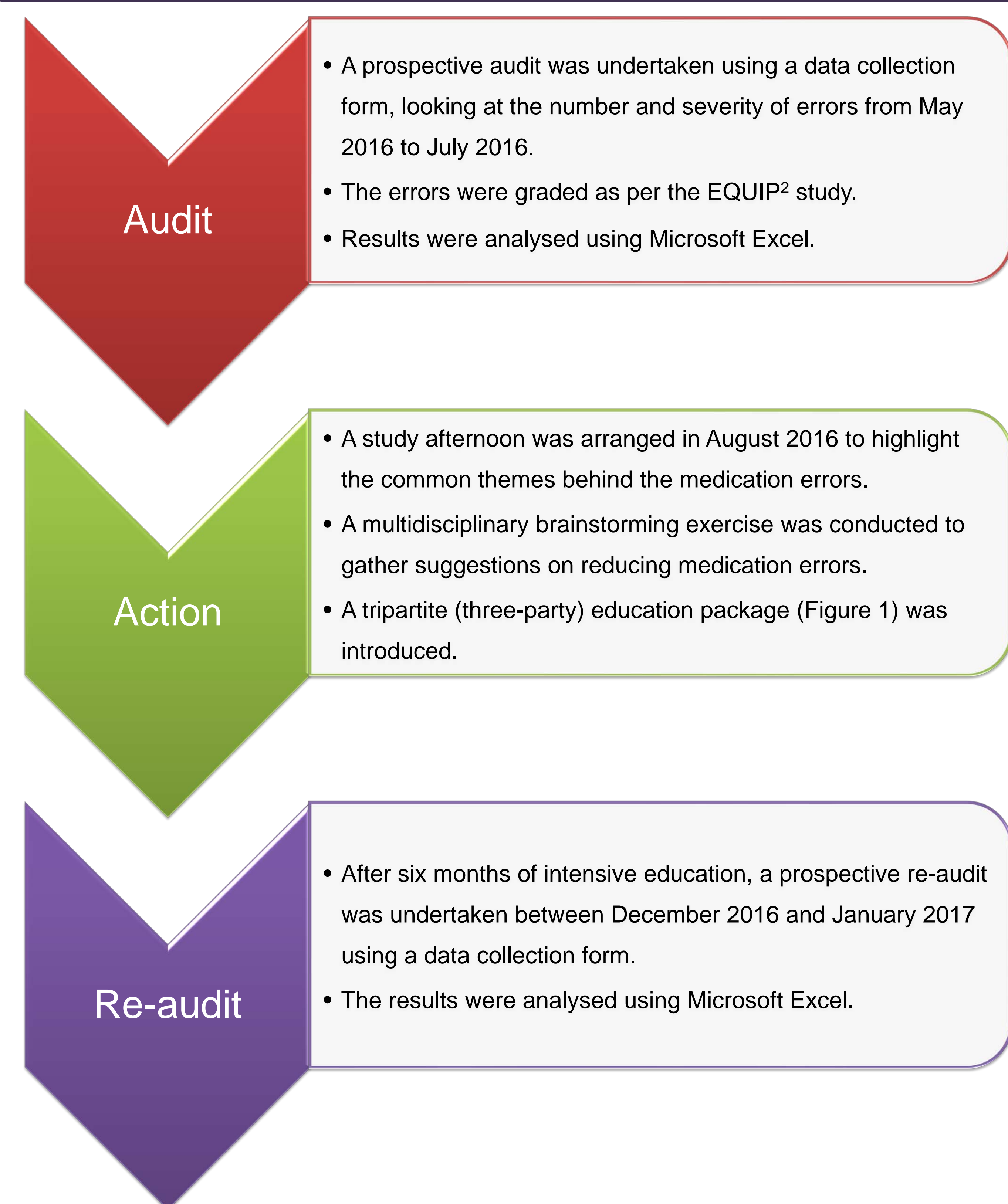
Background

Paediatric medication errors have everyday potential to cause unintended harm¹, possibly due to the extra challenges of prescribing and administering medication to this patient group. According to the Health and Care Standards Framework (2015), every person in Wales has the right to receive excellent quality care. This includes minimising unintended harm during hospital admissions. In January 2015, ABMU quality strategy was published identifying the steps taken to improve the quality of our services by ensuring that quality assurance and quality improvement is embedded in everything we do.

Aim

To reduce paediatric medication errors on a busy general medical ward

Method



Results

Figure 2: Graph Showing Percentage of Children who had Medication Errors during the Audit & Re-Audit

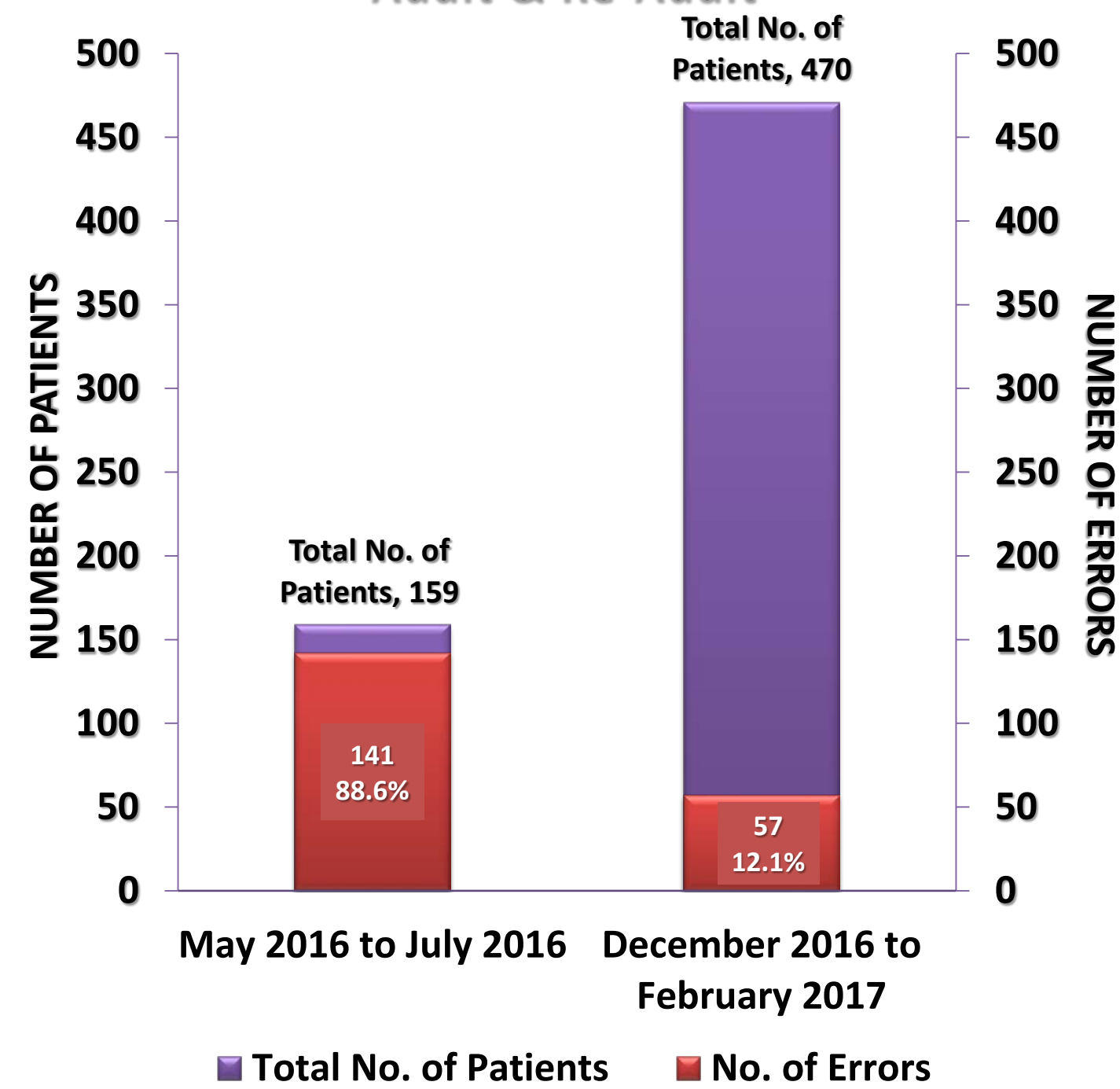
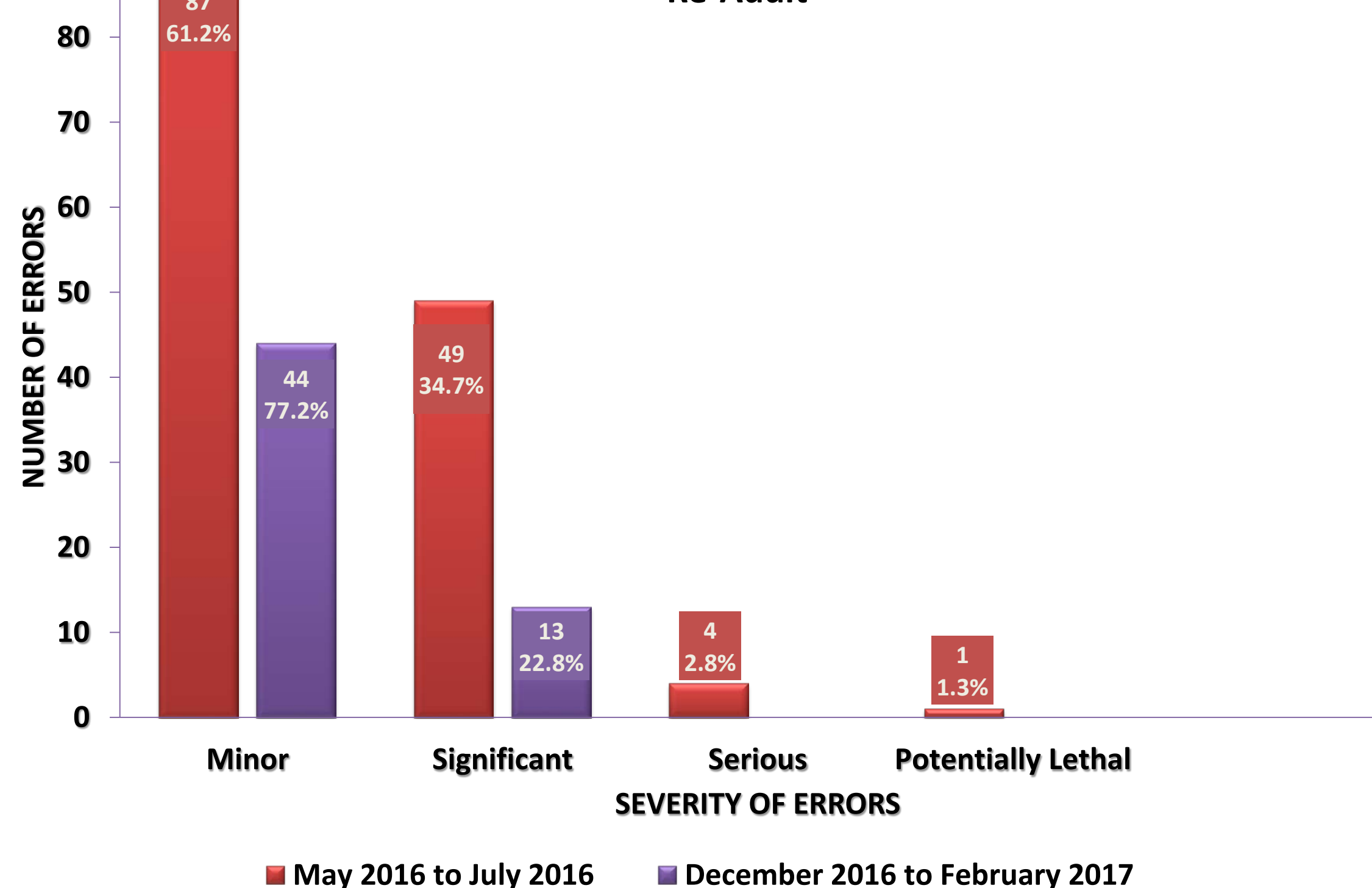


Figure 3: Graph Showing Severity of Errors during the Audit & Re-Audit



Discussion

- ❖ The results of the initial audit showed that 88.6% (141/159) of children admitted had medication errors. 61.2% (87/141) of errors were minor, 34.7% (49/141) significant, 2.8% (4/141) serious and 1.3% (1/141) potentially lethal.
- ❖ The results of the re-audit showed that 12.1% (57/470) of children had medication errors. 77.2% (44/57) of errors were minor and 22.8% (13/57) were significant. There were no serious or potentially lethal errors reported.
- ❖ **This showed an overall reduction of 76.5% medication errors in the children admitted following the introduction of the education package.**

Conclusion

In conclusion, the education package through the tripartite approach has achieved a substantial change in the overall rate of prescription errors. We believe medication errors are a significant but preventable cause of harm in children and young people. To ensure this change of practice is sustained we aim to continue the emphasis on education and change management to improve patient safety.

References

1. Cass H. Reducing paediatric medication error through quality improvement networks; where evidence meets pragmatism. *Arch Dis Child*, 2016;101:414-416.
2. EQUIP final report. http://www.gmc-uk.org/FINAL_Report_prevalence_and_causes_of_prescribing_errors.pdf 28935 150.pdf (accessed 01/08/16).
3. DRUG-gle (Druggie). <http://www.medsiq.org/tool/drug-gle-druggie> (accessed 01/08/2016)