



Aim

Reduce number of primary school children non-compliant at induction of general anaesthesia for dental surgery due to distress by 80% by May 2019.

Background: It's important!

£1.65 Million Study Investigates Premedication Combating Children's Anxiety Prior To General Anaesthesia

MAY 08, 2018



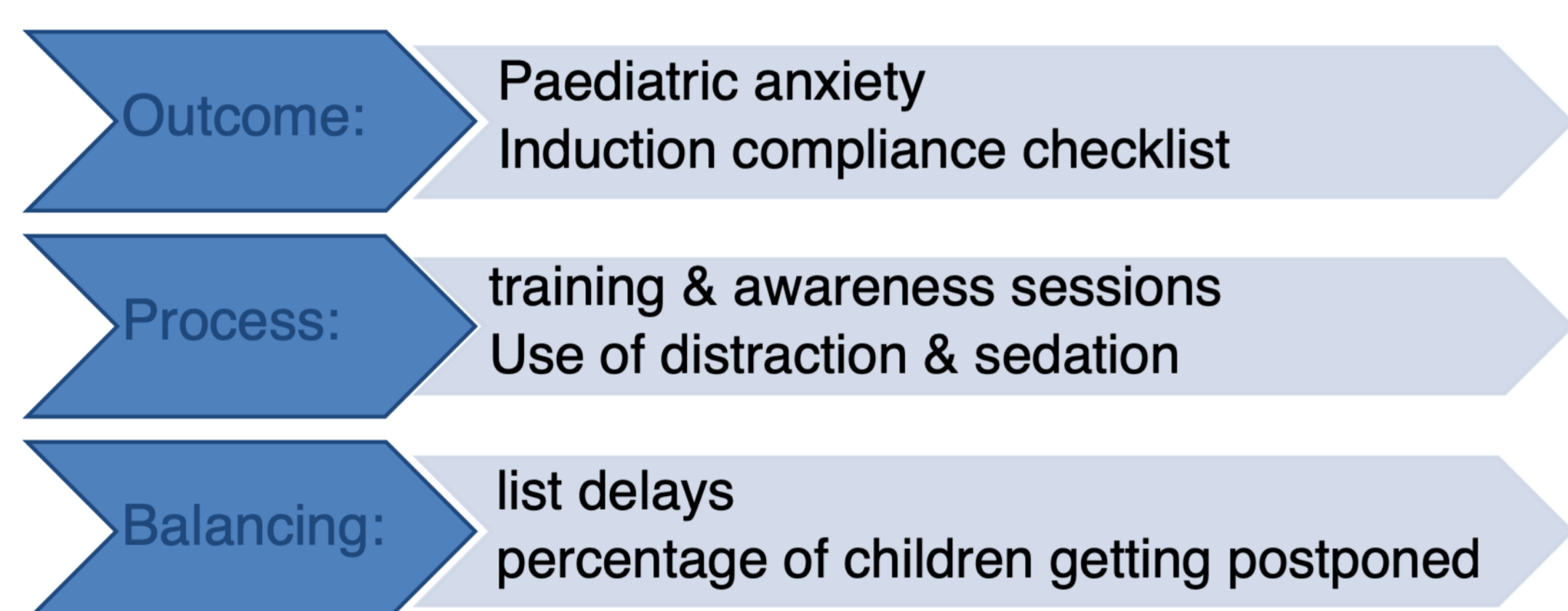
Researchers in Sheffield are to lead a first of its kind study investigating a new way of combating pre-operative anxiety in children who would not otherwise tolerate a general anaesthetic when undergoing planned ear, nose and throat (ENT) and dental surgeries.

The £1.65m study, with funding from the National Institute for Health Research, will be led by a team of researchers from Sheffield Teaching Hospitals, Sheffield Children's Hospital and the University of Sheffield across at least 10 UK sites.

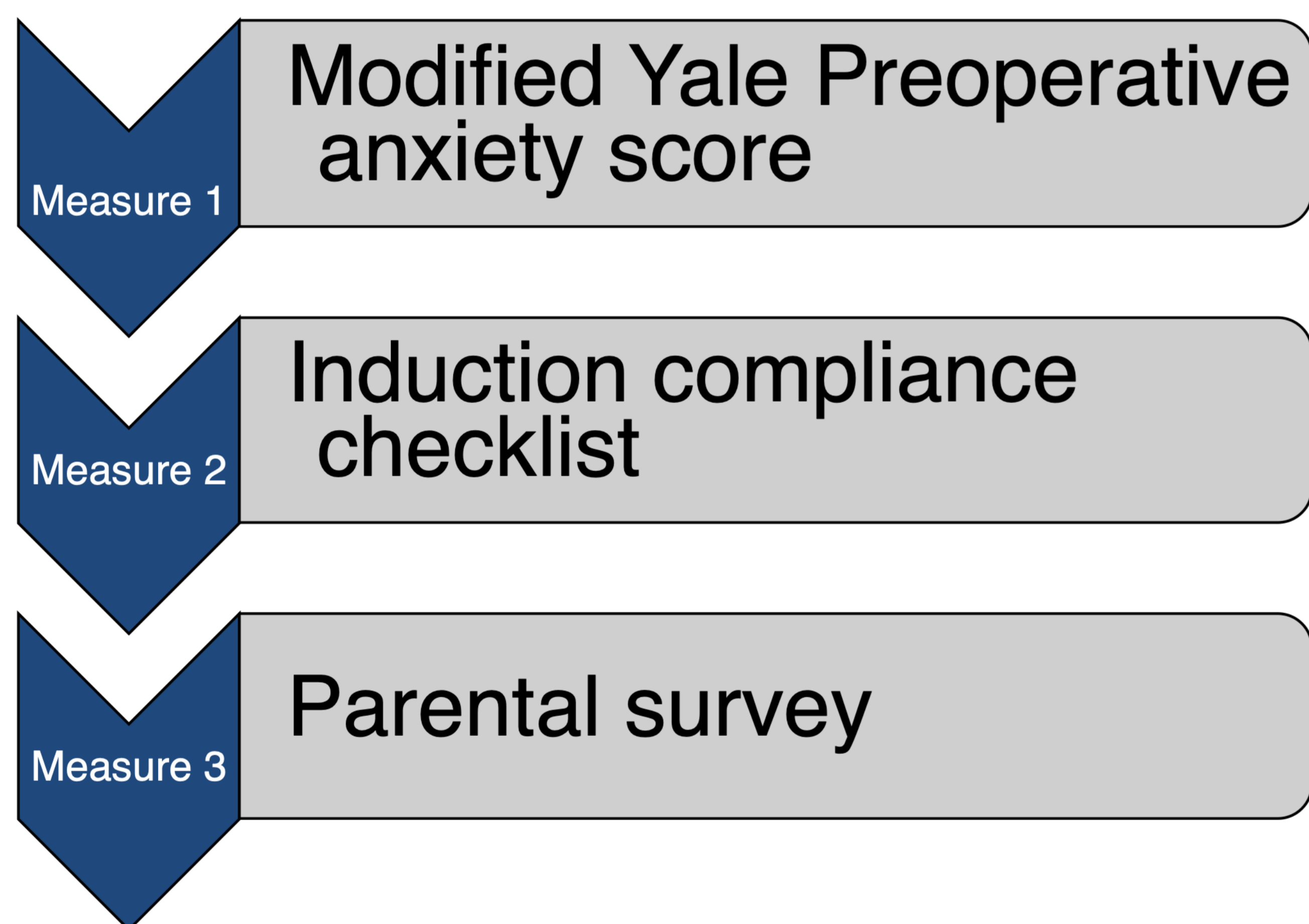
It will be the first to specifically analyse whether a premedication known as melatonin can be used as a potential calmer in nervous children needing a general anaesthetic when having surgery for dental and ear, nose and throat-related problems.

Previous studies have focused on the experience of all children having ENT and dental surgeries rather than just ones who need a premedication to reduce anxiety.

Method (for Improvement)



Process Change



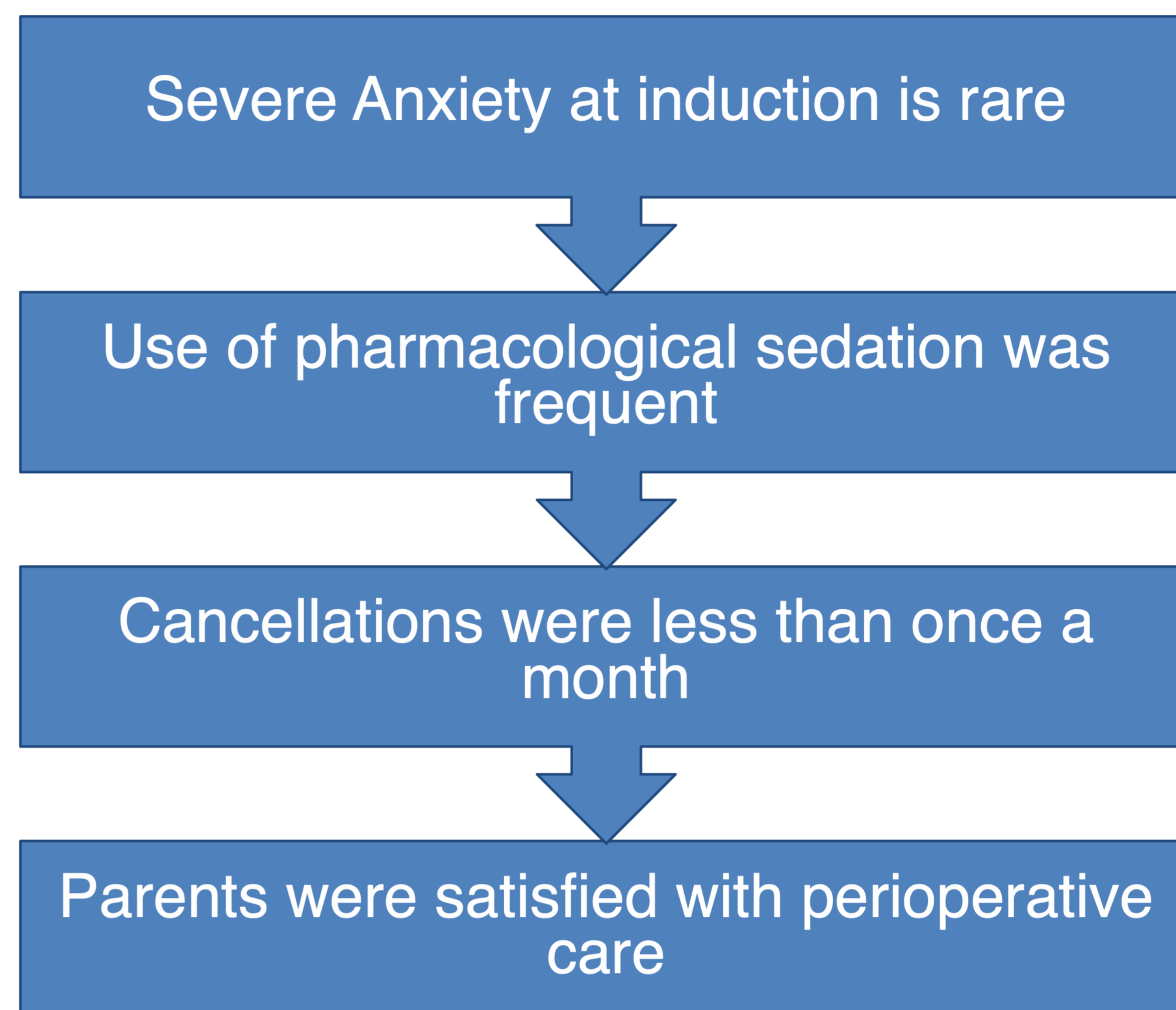
Conclusions

Not only is the safety of perioperative care outstanding but the quality & experience is also excellent. The whole perioperative team make use of non pharmacological interventions to minimise distress in children undergoing dental surgery

Next steps

- Sustain high standards - Formalise process and balancing measures
- Increase training for all staff in perioperative anxiety involved in the dental surgery pathway - celebration of excellence & professional development = joy at work

Results



Key Reference Materials

Kain, ZN et al. The Yale Preoperative Anxiety Scale: How Does It Compare with a "Gold Standard"? *Anesthesia & Analgesia* 1997 Volume 85 - Issue 4 - p 783-788

Key Learning Points

1. Address culture change and resolve resistance or misunderstandings – set Goals
2. Seek buy in from all team members
3. Ensure effective communication
4. Ensure inclusion and feedback to all staff
5. Adapt changes based on findings.
6. Stop & re- evaluate
7. Be patient
8. Accept it doesn't always go the way expect
9. The fundamentals for QI can be applied to all improvement
10. Celebrate excellence if it's clearly already there.... But do it with the data