



Singapore Healthcare
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Reduce The Occurrence Of Technicians Sustaining Injuries While Handling Handpiece



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INTRODUCTION

Dental handpiece is an important tool for technician and is used on a daily basis. Our team noticed a trend of increasing injuries sustained by technician when operating dental handpieces.

CURRENT SITUATION

Example of injuries sustained by technicians



OBJECTIVE

- Reduce or eliminate the accidents due to clogged, badly maintained handpiece in dental lab.
- Educate all dental technicians on the importance of regular maintenance of the handpiece.
- Achieve Zero accident / injury.

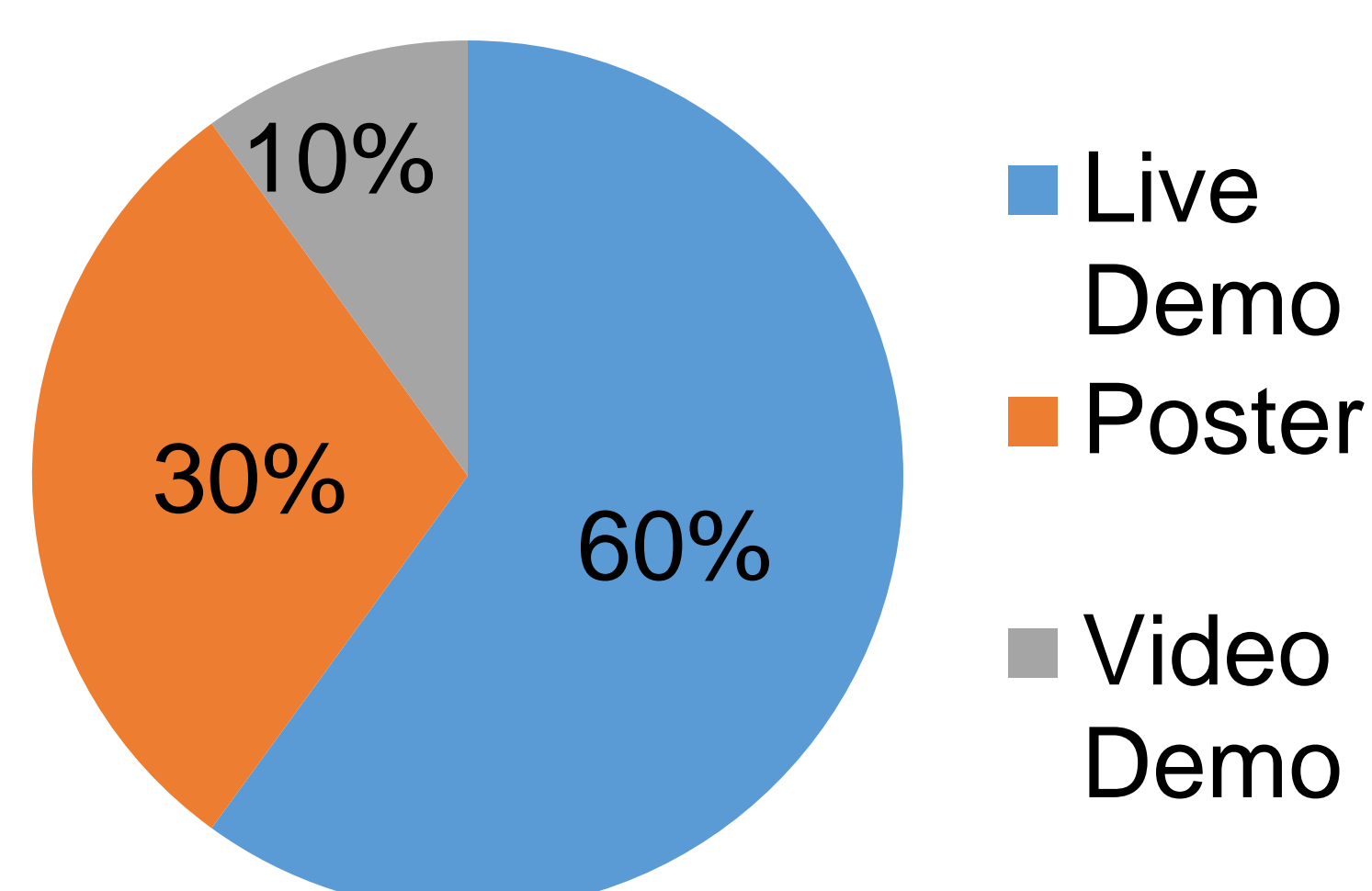
METHODOLOGY

Problem	• Injured while using handpieces
WHY?	• Unstable burs, unsafe.
WHY?	• Burs not fully inserted into handpiece.
WHY?	• Dust and wax clogged up the handpiece.
WHY?	• Did not clean properly.

Root
Cause

- No Proper Training on handpiece maintenance

Survey on technicians showed high preference for video and poster as a training medium.



RESPONDENT : 33

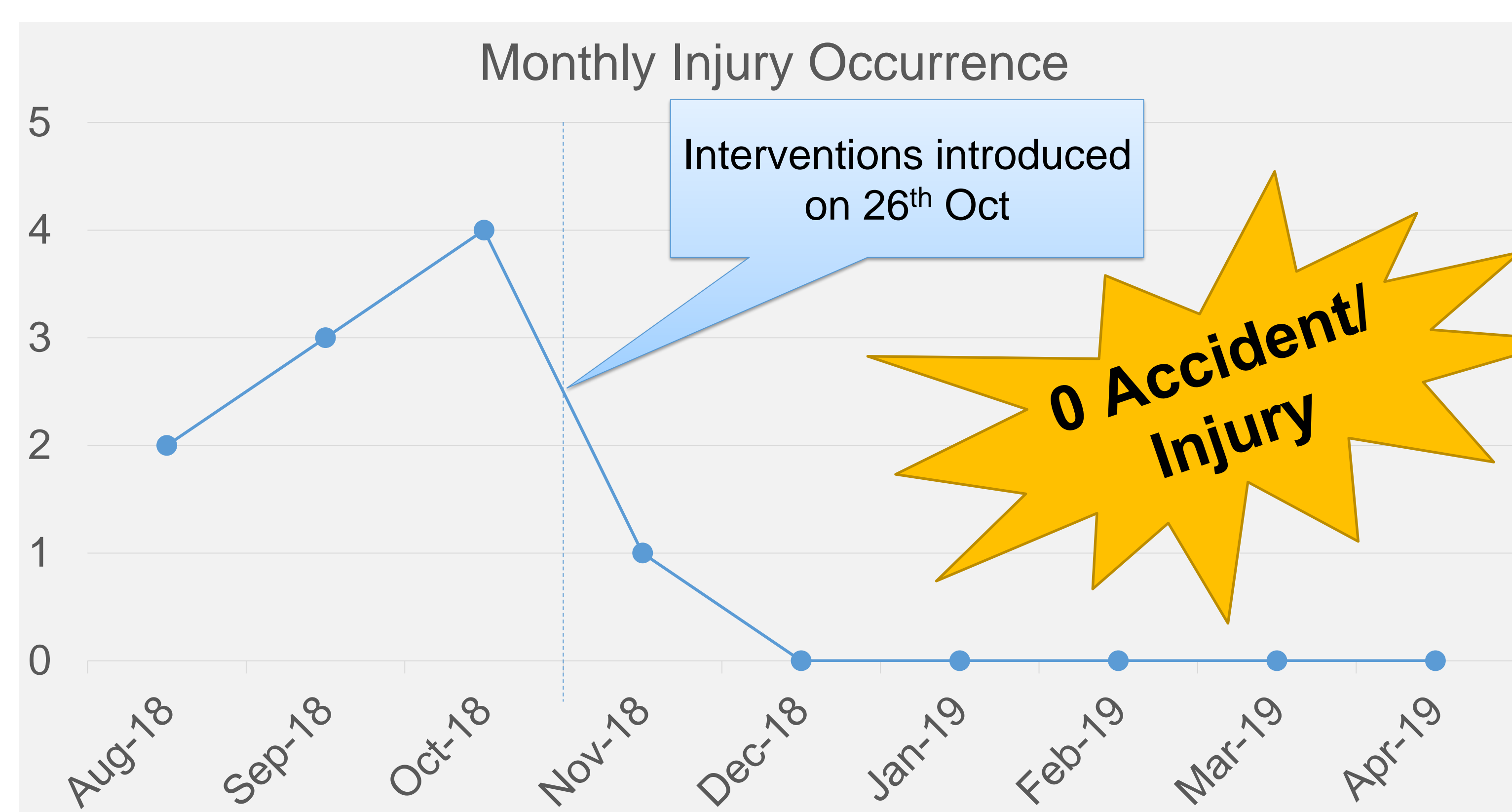
INTERVENTIONS

- ❖ Video showing proper handpiece maintenance technique was shared with dental technician department meeting.
- ❖ Video to be used as training for new hire and for refresher training.



- ❖ Poster showing the steps are pasted on workstations in the dental laboratory as a reminder.

RESULTS



CONCLUSION

Interventions had been spread to all dental labs in NDCS. New staff and trainee will be given training to ensure the results can be sustained.

By educating all staffs on the importance of regular maintenance of the handpieces, dental lab managed to achieve the target of 0 injuries for 5 consecutive months.