



BLS / ACLS / PALS CERTIFICATION IMPROVEMENT PROJECT IN DEASE LAKE

LOCAL CONTEXT

- Remote
- Stikine Health Centre, Dease Lake
- Long medevac times
- Small team:
 - 1-2 MD's
 - 2-3 RN's
 - 1-2 Paramedics
- Limited ability to leave the community for training
- All participants due or overdue for BLS / CPR / ACLS / PALS



AIM STATEMENT

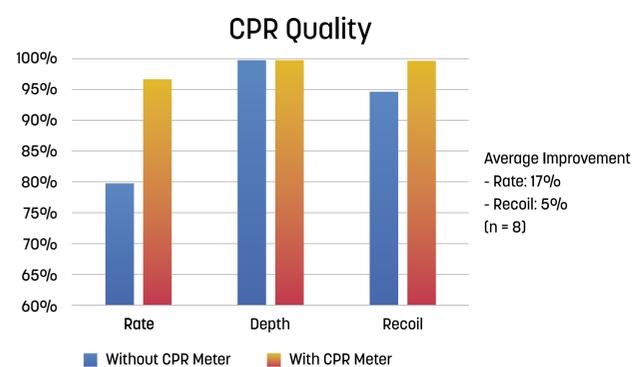


To measure and improve the comfort and competence of health care professionals providing cardiac emergency care in the Stikine area by 50% by acquiring a CPR meter and providing on site BLS, ACLS and PALS training over a 6 month period.

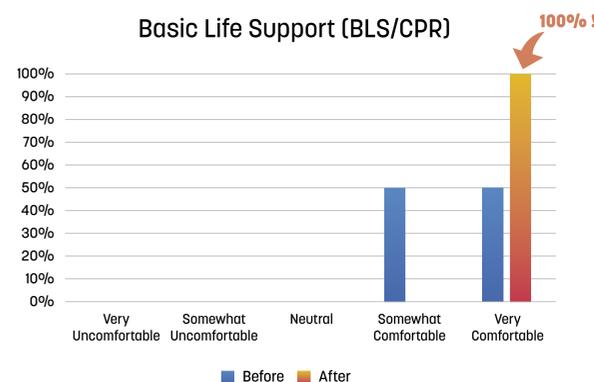
METHODOLOGY

- Participants
 - MD's: 2 (not including myself)
 - RN's: 5 (Dease Lake, Iskut and Telegraph Creek)
 - Paramedics: 1
- Pre course questionnaire (n=6); post course questionnaire (n=8)
- CPR meter
 - Rate, depth, recoil measured with and without CPR meter
- Funding: PQI, CME Grant, Rural CME funds
- Courses run in Dease Lake by Vancouver based company

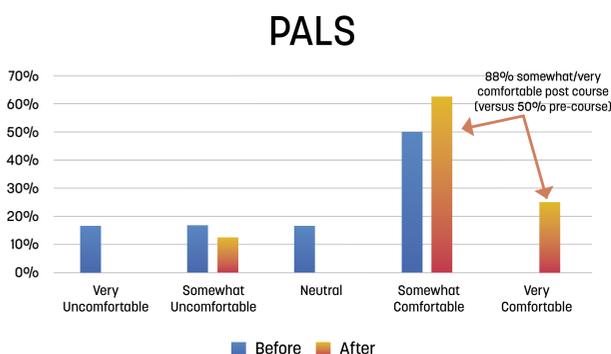
CPR QUALITY



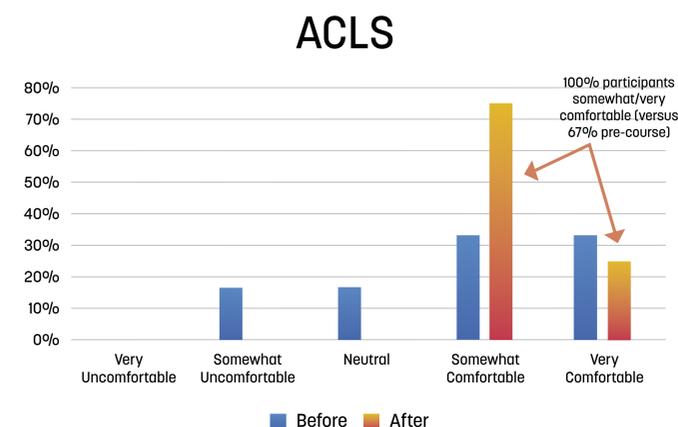
BASIC LIFE SUPPORT



PALS (PEDIATRIC ADVANCED LIFE SUPPORT)



ADVANCED CARDIOVASCULAR LIFE SUPPORT (ACLS)



SUMMARY OF DATA

- CPR Quality using CPR Meter
 - Rate improved by 17%
 - Recoil improved by 5%
 - No change to depth (100%)
- % somewhat and very comfortable
 - BLS: 100% (versus 50% pre-course)
 - PALS: 88% (versus 50% pre-course)
 - ACLS: 100% (versus 67% pre-course)

FOLLOW-UP AND FUTURE PLANNING

- Sustainability
 - Future onsite recertifications
 - Local trainers
- Team building
 - Between all sites
 - Putting skills to use virtually
 - Plan for future collaborative courses
- CPR Quality
 - Regular simulation