

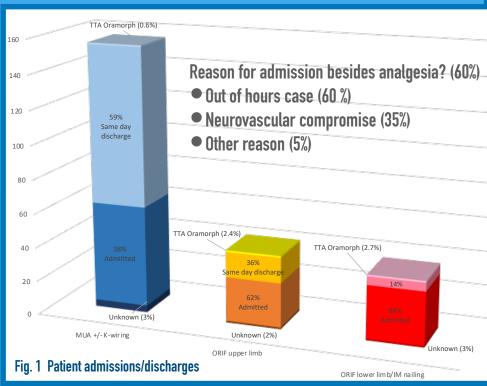
# THE 'TAKE-HOME' MESSAGE

## OPTIMISING ANALGESIA FOLLOWING PAEDIATRIC FRACTURE SURGERY

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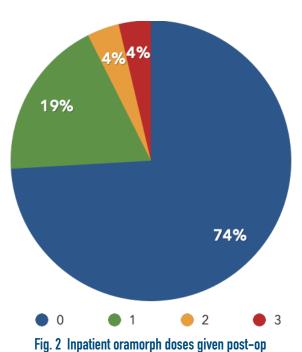
#### **BACKGROUND**

- Our department introduced a tiered pathway in 2019 to help standardise perioperative analgesia of children undergoing surgery to fix fractures
- We aimed to extend our current perioperative analgesia pathway to:
- Optimise postoperative take-home analgesia
- **Enable more children to be discharged on the** day of surgery



#### **CURRENT PRACTICE / ISSUES**

- Theatre data and pharmacy records for 234 fracture cases over 6 months
- Notes of patients staying one night following fracture surgery
- Parental surveys at fracture clinic followup doses of analgesia given, satisfaction scores, incidence of disturbed sleep



other than for analgesia) did not receive anything beyond what they could at home. More of these cases could be discharged on the day of surgery

The majority of patients admitted for one night (40% for no reason



However, almost 40% of children are suffering disturbed sleep due to postoperative pain at home

More than 60% of patients are not receiving 'optimal' regular paracetamol and NSAID,

### MEASURE OF IMPROVEMENT

- Theatre data and pharmacy records will be reviewed after six months
- Ongoing fracture clinic follow-up via parental surveys to assess improvement in simple analgesia usage, sleep & satisfaction scores
- Monthly MDT review including anaesthetic, orthopaedic, pharmacy and nursing staff to identify problems / optimise process

and One third of those that did would likely have benefitted from additional pain relief

(satisfaction scores only 4-6/10 and disturbed sleep)

Only **L**/o patients were discharged with opioid analgesia during our study period

NSAIDs were contra-indicated in 5% of cases – these had higher post-op opioid requirements

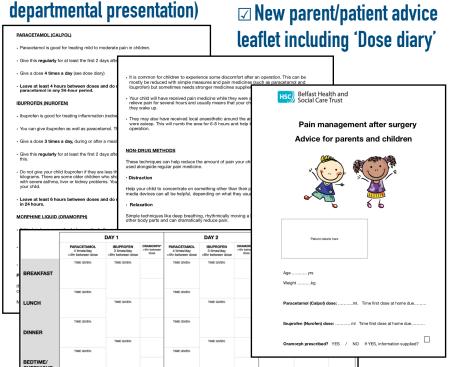
#### STRATEGY FOR CHANGE

**IMPROVE** POST-OP **ANALGESIA** 

**EDUCATION** 

**REDUCE** UNNECESSARY **ADMISSIONS** 

**☑** Encourage inpatient prescription of regular simple analgesia (trainee induction/ departmental presentation)



PROVISION OF TAKE HOME ORAMORPH

> ✓ Streamline process/paperwork

☑ Early TTH prescription for specified cases (pre-op)

☑ Criteria for oramorph following inpatient stay



**☑** Default position for specified procedures (unless exclusion criteria) **☑** Day of surgery discharge pack

