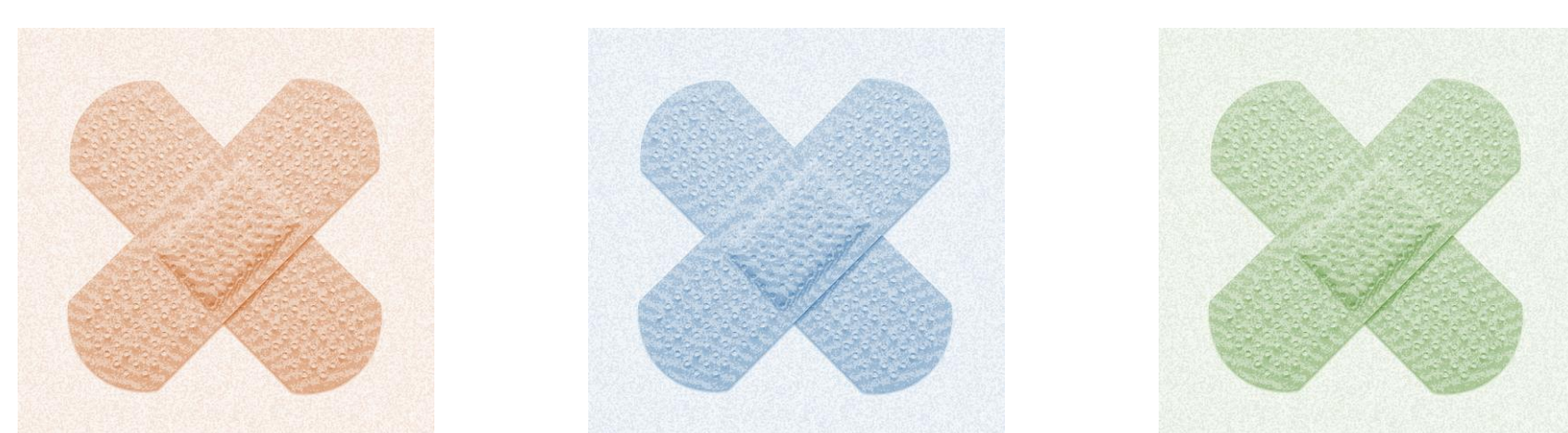


# Less than half of pediatric pain clinicians reported using electronic health record data for quality improvement.

## Leveraging Electronic Health Record data to improve pediatric pain care: insights and challenges.

### INTRODUCTION

- ChildKind International and Canada's national standards for Pediatric Pain management both highlight the importance of ongoing Quality Improvement (QI).
- Guidance on leveraging Electronic Health/Medical Records (EHRs) for pain QI is lacking.
- This study explored how pediatric clinicians, nursing/ medical informaticians and analysts utilise acute pain data from EHRs for QI activities.



### METHODS

1. An international cross-sectional study used a purpose-designed REDCap© survey.
2. Participants were recruited through the PEDIATRIC PAIN LIST serve, the Pain in Child Health network, snowball sampling and social media.
3. Descriptive statistical analysis was performed.

### RESULTS

- 86 respondents from eight countries across four continents participated.
- The majority were from Australia (n=39, 53%) and were registered nurses/ clinical nurse specialists (51%).
- One third (37%) indicated their organization had a comprehensive approach to pain QI.

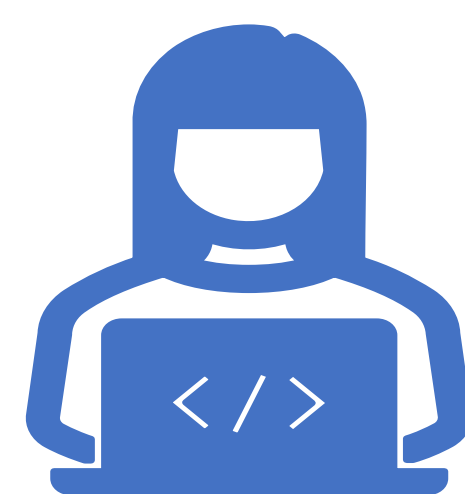
#### Top 3 uses of EHR data

Audit practice	16%
To improve pain treatment	15%
To identify units that require more support/ education	12%

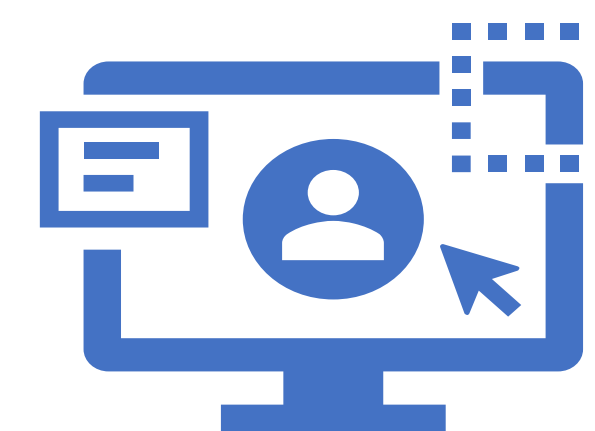
#### Resources for using pain data captured in the EHR



Access to EHR team (28%)



Access to informaticians (19%)



Opportunity to design EHRs (15%)

#### Barriers to using pain data captured in the EHR



Poor pain documentation (40%)



Time (34%)



No standardized pain documentation (20%)

### DISCUSSION

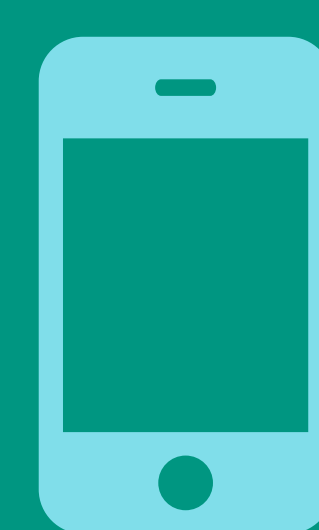
- Developing a standardized EHR data set is essential to drive pediatric pain quality improvement.
- By addressing identified barriers, health systems can enhance adherence to national standards, strengthen quality improvement practices, and ultimately improve paediatric pain care outcomes.

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